Mo

Model Standards Development

Carol Hockert, NIST/OWM WWMA 2013

Learning Objectives

- At the end of this session, using your notes you will be able to:
 - Define a Standards Developing Organization (SDO)
 - List the essential elements for due process
 - Identify elements missing from the OWM process for developing HB 105 documents

Overview

- Standards Developing Organizations
 - What do they do?
- Model for Standards Development
 - American National Standards Institute (ANSI)
 - Essential Requirements
 - What are they?
 - Examples of how to meet them

Standards Developing Organizations (SDOs)

- Develops Standards for...everything!
- Variety of:
 - Operations
 - Procedures
 - Focus of scopes
- Examples
 - ASTM, UL, NCSLI, OIML, NCWM and many others



- Publishes the Rules for ANSI-Accredited SDOs
- Accredits SDOs to write American National Standards
- Represents US in the International Standards Organization (ISO) & in the International Electrotechnical Commission (IEC)

Essential Requirements

- Assures Due Process
 - Openness
 - Lack of Dominance
 - Balance
 - Coordination and Harmonization
 - Notification
 - Consideration of Views and Objections
 - Consensus Vote
 - Appeals
 - Written Procedures Govern Process
 - Comply with normative ANSI policies and procedures



- ANSI does not describe the "how" in meeting the essential requirements
- Different SDOs have different structures, procedures, sizes, makeups, processes
- Examples of a few in the following slides

Openness

- Open to all persons who are affected
- No undue financial barrier to participate

ANSI quote: "The member's name, affiliation and interest category of each member of the consensus body shall be made available to interested parties upon request."

Lack of Dominance

- Not dominated by any single interest category
 - Producers, Users, General interest
 - Users: consumer, industrial, government, labor

Dominance means a position of dominant authority or influence by reason of leverage to the exclusion of fair and equitable consideration of other viewpoints.

Balance

- ANSI quote: "No single interest category constitutes a majority of the membership of a consensus body dealing with other than safety-related standards."
- Diverse interest categories shall be sought with the objective of achieving balance



- Efforts to resolve potential conflicts with other standards
 - Conflict occurs when one standard is inconsistent with requirements from another standard
- Evidence of these efforts must be maintained when standards conflict

Notification

- Standards activity shall be announced in suitable media
 - Explanation of the need
 - Identifies impacted stakeholders
- Demonstrate an opportunity for participation by all directly affected persons

Consideration of Views and Objections

- Prompt consideration to written views and objections of all participants
- Comments received for a minimum of 30 days after publication
- Objections addressed in writing
- If not resolved, appeals process must be made available
- Unresolved objections must be reported to the consensus body; and ultimately back to ANSI

Consensus Votes

- Votes may be by letter, fax, recorded votes at a meeting or electronic means
- ALL members of a consensus body shall have the opportunity to vote
- Quorum requirements defined
- Yes, Abstain or No: No votes must have comments included to be considered.

Appeals

- Written procedures shall contain a realistic appeals mechanism
- Impartial handling
- Appeals to include whether or not there was due process

Written Procedures Govern Process

- Assures lack of dominance, openness
- Determines who may vote balance required
 - Consensus body size may be limited
- Identifies notification methods
- Assures consideration of all viewpoints
- Defines "consensus vote"
- Has a method for appeals



Private Sector Best Able to fill SDO role

 National Technology Transfer and Advancement Act (NTTAA)

 Essential requirements must be met for acceptability by Federal agencies

Summary

 Standards development is important to our economy and to the weights and measures community

 Complying with the ANSI model for standards development assures due process





Standards Development for NIST 105-series Handbooks

Credit to: Georgia Harris

Openness

- All affected participants are welcome!
- Drafts are posted on NIST website
- Comments accepted for ongoing input and feedback
- Invitations sent to users, manufacturers, regulators
- No undue financial barrier to participate
 - Comments must be entered into the OWM Database
 - Covered later in this presentation
 - Not limited to specific meetings
 - Working groups often held via teleconferencing (and web meetings)

Lack of Dominance

- Not dominated by any single interest category
 - Producers, Users, General interest
 - Users: consumer, industrial, government, labor
- Representation of all parties is sought

Balance

- Diverse interest categories are sought to achieve balance
- All types of users are solicited

Notification

- Updates, drafts, comments are posted and announced in:
 - NIST website
 - "W&M Quarterly"
 - W&M Meeting reports
 - RMAP Sessions
 - Direct Emails to affected parties
 - Mailing

Consideration of Views and Objections

- Comments collected for extended periods of time while drafts are posted
- Compiled comments are posted and circulated
- Commenters form working group to revise "next draft"
- Responses to comments also posted
- Final drafts circulated to affected parties for comment and input
- Nothing typically happens in under 30 days
- Objections are addressed and comments posted with responses
- No documented appeals process yet; however, publications typically don't happen without additional effort to resolve issues
- Final technical and editorial decisions rest with NIST to resolve conflict and to ensure technical accuracy

Consensus Votes

- No official or regular voting process; occasionally done when needed
- ALL members of a working group can participate in gaining consensus
- No quorum requirements are documented

Appeals

- HB 105's
 - Consensus process used throughout development
 - Comments on publications can be submitted at any time
- Written procedures shall contain a realistic appeals mechanism – no formal "appeals"
- Impartial handling responses evaluated and communicated in writing
- Appeals to include whether or not there was due process – nothing in place at this time

Written Procedures Govern Process

- Current documented procedures address:
 - Needs Assessment.
 - Background Research.
 - Development of Initial Draft.
 - Review and Resolution Process.
 - Review of Final Draft.
 - NIST WERB Process.
 - Publication.
- Assures lack of dominance, openness not specifically addressed
- Determines who may vote balance required no voting unless needed; all reviewers "have a vote"
 - Consensus body size may be limited
- Identifies notification methods methods identified
- Assures consideration of all viewpoints iteratively; NIST has final decision making authority
- Defines "consensus vote" not addressed
- Has a method for appeals development process provides opportunity for comment on all stages; after publication, comment forms accepted at any time

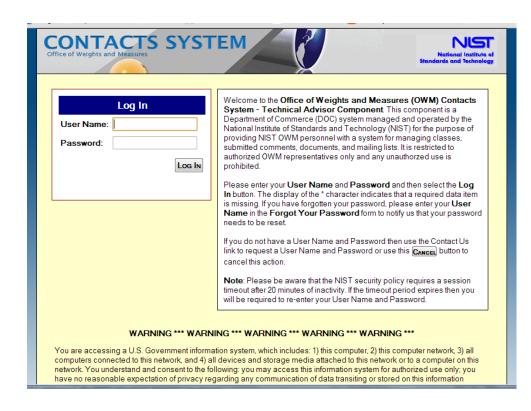


How to Submit Comments

- OWM Database System
- Comment on any Posted Draft Document

Documents Posted for Comment

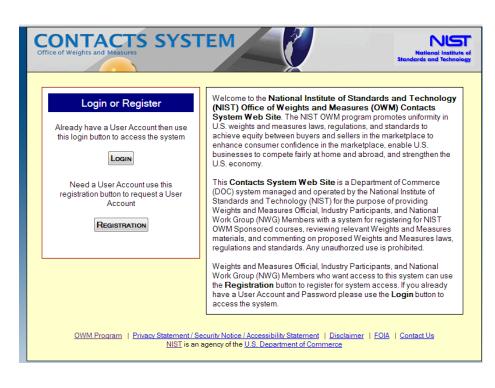
- Documents are Posted on the OWM Contacts
 Database
 - Technical Advisors can post the document
 - Solicit input via email



3/11/2013

 Comments are solicited via the database interface

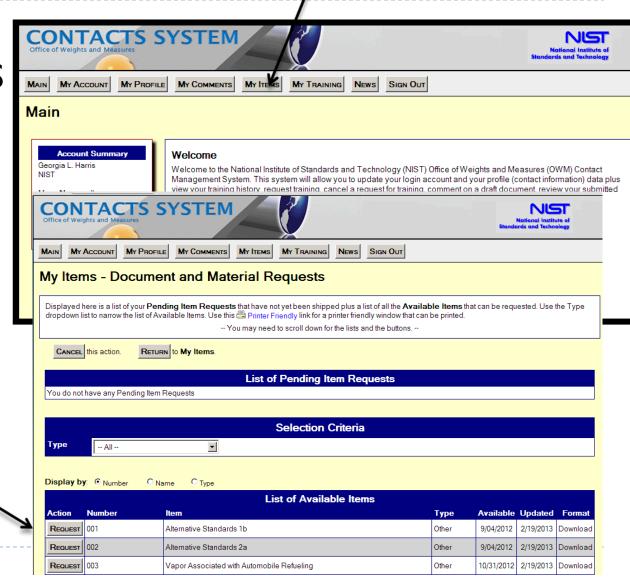
▶ Users: Step I – Login!



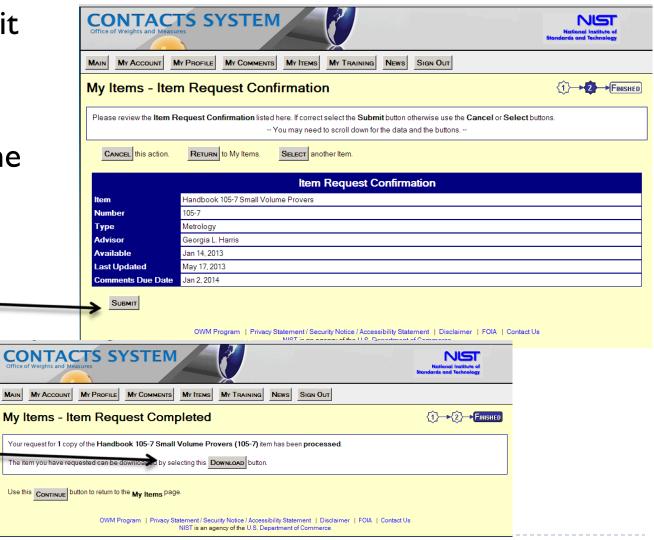
https://tsapps.nist.gov/WMD/default.aspx

3/11/2013

- Users: Step 2 –go to My ITEMS
- Step 3: Request an Item



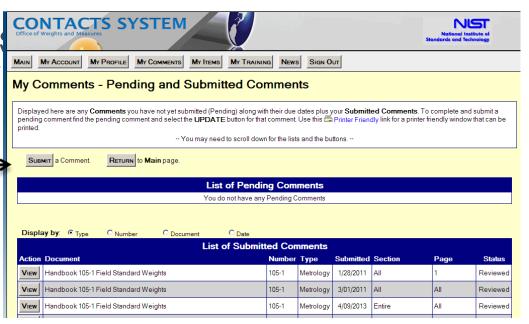
- Step 4: Submit Request
- Step 5: Download the Item

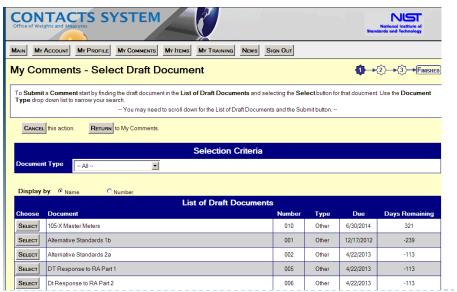


33 3/11/2013

Submit Comment:

- Step 6: Select My Comments, Submit a Comment
- Step 7: Select the Document

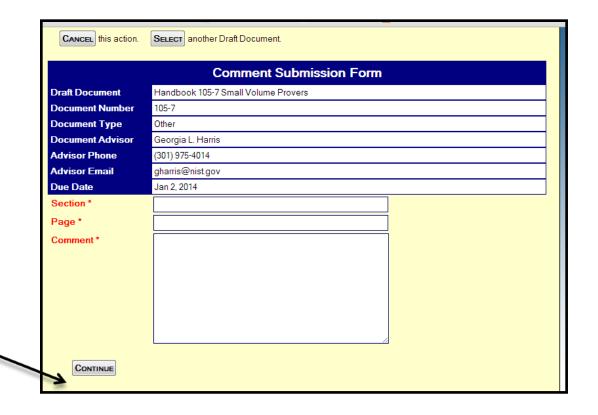




4 3/11/2013

- Step 8: Enter
 - Section
 - Page
 - Comments
 - Note proposed "Addition:" or "Deletions";
- Step 9: Press

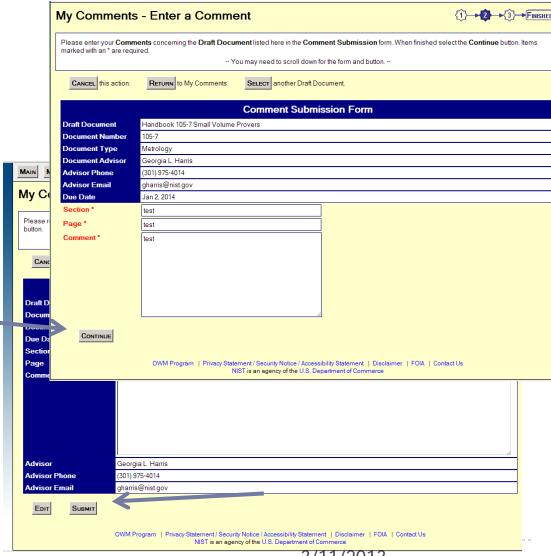
Continue



35 3/11/2013

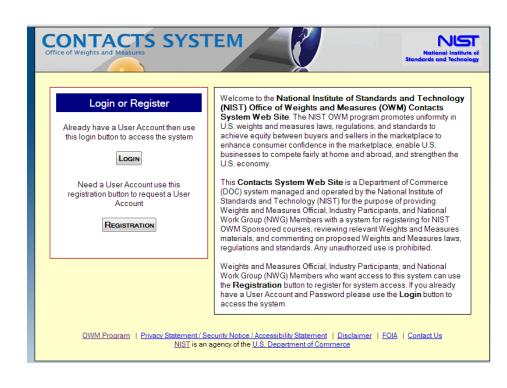
- Step 10: Press Continue
- Step 11: then Press Submit

Step 12: PressContinue to Addanother Comment



Comment Reviews

- Comments are automatically compiled and can be exported to a Word document for review or working group reviews by the Technical Advisor
- Technical Advisor has access to compiled comments (internal database)



7 3/11/2013

Summary and Test

- Were you paying attention?
- Did you take notes?

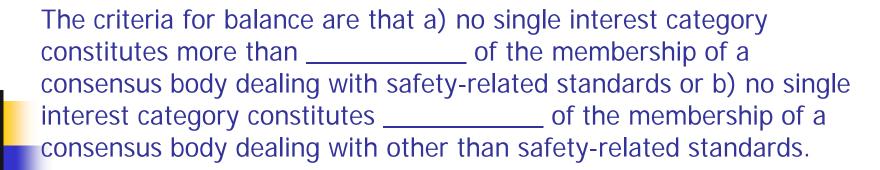


- A) technically sound standards
- B) due process has been followed
- C) no complaints will be filed
- D) all of the above



A "Consensus Body" is: The group that approves the content of a standard and whose vote demonstrates evidence of consensus.

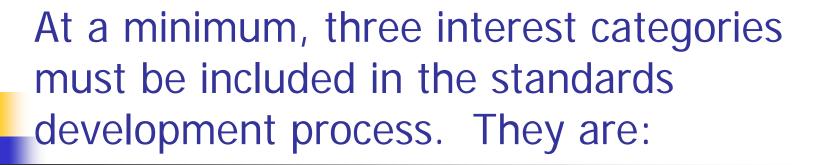
- A) True
- B) False



- A) one fourth
- B) one third
- C) two thirds
- D) a majority

Which of the following requirements comply with the concept of Openness? (Yes)

- A) Members must have a doctorate in chemistry.
- B) Members must register with the organization prior to voting.
- C) Members are given one week to provide comments and vote.
- D) Notice is posted on the SDO's website for two months prior to voting, and an email is sent to all known interested parties.
- E) Secret ballots issued and collected.



- A) labor, management, government
- B) consumer, producer, regulatory
- C) producer, user, general interest
- D) manufacturer, retailer, consumer



- A) drafts posted for comment on-line
- B) discussed in open forums
- C) interested parties are queried
- D) all of the above

A "Consensus Vote" is:

- A) determined by an individual SDO
- B) two thirds of votes
- C) majority of a consensus body
- D) two thirds of the quorum



- A) True
- B) False

In the development of Handbook 105-3, how were "Consideration of Views and Objections" addressed?

- A) written comments were collected
- B) workgroup meetings
- C) site visits to manufacturers
- D) all of the above



- A) True
- B) False

Which essential requirements are not followed?

- A) Openness
- B) Lack of Dominance
- C) Balance
- D) Coordination and Harmonization
- E) Notification
- F) Consideration of Views and Objections
- G) Consensus Vote
- H) Appeals
- Written Procedures Govern Process



Thank you!

Questions can be directed to:

Carol Hockert (carol.hockert@nist.gov)