NACE Standards Development Procedures

Office of Pipeline Safety
Research and Development Forum

March 22, 2005

NACE International, the Corrosion Society

- Formed in 1943 as National Association of Corrosion Engineers

- Professional technical society with 15,000 members worldwide

- 350 technical committees

NACE Mission Statement

- To protect people, assets, and the environment from the effects of corrosion.

NACE Standards

- Standards for prevention and control of corrosion

- Performance standards to set minimum recommended conditions or requirements for equipment, systems, methods, materials, or procedures

NACE Standards

Three types:

- Standard Recommended Practices (RP) (soon to be **SP**)
- Standard Material Requirements (MR)
- Standard Test Methods (TM)

- 125 Current Standards

Ideas for New Standards

- Industry

- Government

- Anyone may identify need

Ideas for New Standards

- Anyone may propose new task group

- TG-1 form available on NACE Web site

- Proposed title, assignment, justification, consequences if not written, officers, timeline

NACE Technical Committee Organization

- **Technical Coordination Committee (TCC)**

  - Overall coordination of technical committees and standards

  - TCC officers and 5 Technology Coordinators are voting members

Technical Committee (TCC) Organization

- Committee operations organized into 5 Technology Management Groups managing Specific Technology Groups

    - 2 Industry-Specific

    - 2 Cross-Industry

    - 1 Science

Specific Technology Groups (STGs)

- 30 STGs on topics from oil and gas production to pipelines are voting groups

- STGs have 80 to 300 members

- Nonmembers may also vote on standards by contacting NACE Headquarters

ANSI-Accredited Standards Developer

- Procedures Approved by American National Standards Institute (ANSI)

- Plans for new standards must be publicized

- Interested parties may participate

NACE Standards Development

- **Task Groups**

  - Write documents, e.g., standards, reports
    - Reports cannot make recommendations

  - Formed when need for standard identified

Formation of New Task Group

- Technology Coordinator responsible for ensuring no duplication of effort

- Technology Coordinator to assure appropriate technical input
  - Joint Task Group formed if interest among other committees

Formation of New Task Group

- Proposal voted on by Specific Technology Group (STG) Steering Committee

- Approved by STG chair and Technology Coordinator

- May vote in a meeting or have form circulated by e-mail by Headquarters

Preparation of Standards

- **Task Group Reaches Consensus**
  - May be in meeting, via e-mail correspondence, or formal ballot

- **Draft Sent to Headquarters**
  - Formatted and edited by staff
  - Reviewed by member editorial committee
  - Staff handles ballot process, advises Task Group

Ballot Procedures

- Canvass distributed
  - Asks members of sponsoring STGs if they wish to vote on a standard
  - 30-day response time

- Ballot distributed
  - 6-week ballot period; 50% response from distribution list required

Ballot Procedures

- Votes may be affirmative, negative, or abstaining

- Task Group must address all comments

- Negative votes must be resolved by convincing negative voter of Task Group's point of view, or by making changes to draft

Handling Ballot Results

- Negative votes resolved by personal contact, phone, letter, or e-mail

- Negative voters and those with comments invited to Task Group meeting

- Open review in sponsoring committee meeting; all allowed to express views

Handling Ballot Results

- **If negative vote not resolved:**

- Reballot required
  - Negative vote attached to reballot
  - Statement from Task Group also attached
  - Vote only on changes

Handling Negatives

- Cannot change anyone's vote without permission (ANSI Rules)

- Negative votes not pertaining to the proposal or changes being voted on need not be addressed
  - Comments will not be solicited
  - No response to voter necessary

Handling Negatives

- If unresolved negatives remain and/or technical changes are made, reballot is required

  - 90% affirmative, excluding abstentions, for reballot to pass

  - Negatives must be addressed but do not have to be resolved

Reaffirmation, Revision, Withdrawal

- All standards reviewed every five years and reaffirmed, revised, or withdrawn

- Must be <u>completed</u> every five years

- Begin review 1 to 2 years before 5-year date

Reaffirmation, Revision, Withdrawal

- If <u>reaffirmation</u> recommended, vote can be taken in committee meeting

  - Editorial changes, not technical changes, allowed

  - Done when committee members believe no technical changes are needed

Reaffirmation, Revision, Withdrawal

- If <u>revision</u> recommended, Task Group formed

  - Same procedures followed as for new standard

  - Standard may be reaffirmed to allow time for revision to be completed

Reaffirmation, Revision, Withdrawal

- If <u>withdrawal</u> recommended, ballot sent to sponsoring STG members
  - Must have reason for withdrawal

- <u>Automatic withdrawal</u> may occur if:

  - Committee not showing measurable progress

  - Revision/reaffirmation not completed by year 7

Completion of Standards

- Common causes of delays:

  - Completion of initial draft

  - Resolving negative votes

  - Non-response of chairs

Streamlining of Process

- One committee level of voting

- Online and e-mail voting

- Non-response by committee officers after 30 days = approval

Streamlining of Process

- What else can be done?

  - Shorten ballot period?
  - Pay for preparation of drafts
  - Pay for resolution of negatives/revision of draft
  - Pay contingent on completion of publication

Questions?

- For more information, contact:

Linda Goldberg

Director, Technical Activities

Phone: 281-228-6221

E-mail: linda.goldberg@nace.org

Web site: www.nace.org