NIST/ITL Procedures for the Development of American National Standards (ANS) Using the Canvass Method

Michael D. Hogan
Standards Liaison
NIST/ITL
1 (301) 975 – 2926
m.hogan@nist.gov
ANSI
http://ansi.org/

- Accredits standards developers.  
  ~ 200
- Approves procedures of standards developers.
- Audits standards developers every five years.
- Approves American National Standards (ANS).
  >10,000
NIST ITL

• NIST/ITL (and its predecessor organizations) has been accredited by ANSI as a standards developer since October 5, 1984 for the following scope of activities:
  "Standards and guidelines for information exchange relating to automatic data processing and related systems".

• New NIST/ITL procedures for ANS development via the canvass method are being reviewed within NIST and will be posted when forwarded to ANSI.
  – http://www.itl.nist.gov/biometrics/

• The next ANSI audit of NIST/ITL is scheduled for the end of 2006.
Hallmarks of the ANS Process

- **consensus** on a proposed standard by a group or "consensus body" that includes representatives from materially affected and interested parties;
- broad-based **public review** and comment on draft standards;
- **consideration of and response to comments** submitted by voting members of the relevant consensus body and by public review commenters;
- **incorporation of approved changes** into a draft standard; and
- **right to appeal** by any participant that believes that due process principles were not sufficiently respected during the standards development in accordance with the ANSI-accredited procedures of the standards developer.
NIST ITL Procedural Highlights

• NIST/ITL uses the canvass method to establish consensus (i.e., the consensus body is the list of canvass members).
• NIST/ITL will issue a call for members to start development of the canvass list.
• Canvass members have obligation to vote:
  – affirmative, negative with reasons, abstain with comment
• All interested parties can get all documents.
• Criteria for approval is approval by at least a majority of the canvass list, excluding abstentions, and at least two-thirds of those voting, excluding abstentions.
• Right to appeal to NIST/ITL and then to ANSI.
ANSI Standards Action
March 25, 2005

• NIST PINS for Revision to ANSI/NIST-ITL1-2000

• Scope summary:
The proposed revision of this standard will define the content, format, and units of measurement for the exchange of fingerprint, other biometric, and descriptive information that can be used for identification of subjects. This information is intended for interchange among criminal justice and homeland security administrations or organizations that rely on automated fingerprint and other biometric identification systems.
NIST/ITL ANS Standards Process

Start

NIST ITL announces workshop to solicit requirements and interest for drafting new or revised ANS.

NIST ITL submits PINS form to ANSI for initiation of project to draft new or revised ANS.

ANSI lists PINS announcement in Standards Action for 45-day public review period.

NIST ITL holds open workshop(s) to determine requirements for new or revised ANS.

A

NIST ITL responds to any PINS comments; develops canvass list; and drafts ANS for ballot.

NIST ITL issues 45-day ballot and submits to ANSI for concurrent 45-day public review.

Comments?

YES

NIST ITL reviews all comments and decides on changes, if any.

B

NO

Any Substantive Changes?

YES

NIST ITL issues 30-day recirculation ballot.

B

NO

Ballot approved?

YES

NIST ITL submits draft ANS to ANSI for approval.

D

NO

NIST ITL issues 30-day recirculation ballot.

C

This Flow Chart is to be used as a reference guide only. The authoritative procedures shall be the NIST/ITL ANS Standards Development Process posted on its website.