



Standards  
Coordination  
Office

National Institute of Standards  
and Technology

# ISO Standards Development and Review Process

# ISO (and IEC)



- ISO is a non governmental, member organization created in 1947
- Members are the national standards institutes of 164 countries; one per country
- Central Secretariat is in Geneva but secretariats of technical committees held by members all over the world
- ISO has about 224 technical committees in most fields
- About 19,500 standards published
- U.S. participates thru ANSI
- U.S. has a single voice in ISO committees

# How the U.S. is organized for ISO work

- U.S. participation in any ISO committee is decided by a consultative process managed by ANSI International Policy Committee (NIST/SCO is represented)
- ANSI appoints a willing SDO to manage U.S. representation in an ISO committee
- The SDO organizes a Technical Advisory Group, TAG (also known as a mirror committee)
- TAG rules are published by ANSI

# ISO standards development

Follows a process, and via consensus

- New Work Item Proposal (NWIP) – Proposal Stage
- Working Draft (WD) – Preparatory Stage
- Committee Draft (CD) – Committee Stage
- Draft International Standard (DIS) – Enquiry Stage
- Final Draft International Standard (FDIS) – Approval Stage
- Publication as International Standard (IS) – Publication Stage

# ISO standards review process

- All standards are subject to a 5-year Systematic Review process
- 5-month SR inquiry to confirm, revise or withdraw
- ISO/IEC 17025:2005 confirmed in 2010
- Due in 2015 for regular Systematic Review
- But revision may start earlier if a New Work Item Proposal (MWIP) is submitted by a CASCO member or liaison

# ISO Conformity Assessment Committee, CASCO

- Conformity assessment standards developed by CASCO
- CASCO has a dual role and reports to ISO Council
- CASCO is a policy committee and standards developer
- 73 P-members and 47 O-members
- CASCO has authority to develop standards and follows ISO Directives
- CASCO has working groups to develop standards (no TC or SC)
- For policy issues, CASCO has 3 working groups
- REMCO, COPOLCO, DEVCO

# TOOLBOX

## Terms and definitions ISO/IEC 17000

### Requirements for accreditation bodies – ISO/IEC 17011

#### Requirements for

#### Testing/ calibration

Testing and  
calibration  
laboratories  
ISO/IEC 17025

Proficiency  
testing  
ISO/IEC 17043

#### Requirements for inspection bodies

ISO/IEC 17020

#### Requirements for certification bodies

Management  
systems  
ISO/IEC 17021  
ISO/IEC 17021 Part 2  
ISO/IEC 17021 Part 3

*Parts 4 and 5 in  
preparative*

#### Persons

ISO/IEC 17024

#### Products

ISO/IEC 17065

#### Conformity assessments of suppliers

ISO/IEC 17050-1  
ISO/IEC 17050-2

Peer assessment ISO/IEC 17040

Mutual recognition  
ISO/IEC Guide 68

ISO/IEC 17022 Audit reports

# Thank you!

Ileana Martinez

Standards Coordination Office and

National Voluntary Laboratory Accreditation Program

[ileana.martinez@nist.gov](mailto:ileana.martinez@nist.gov)

301-975 2766