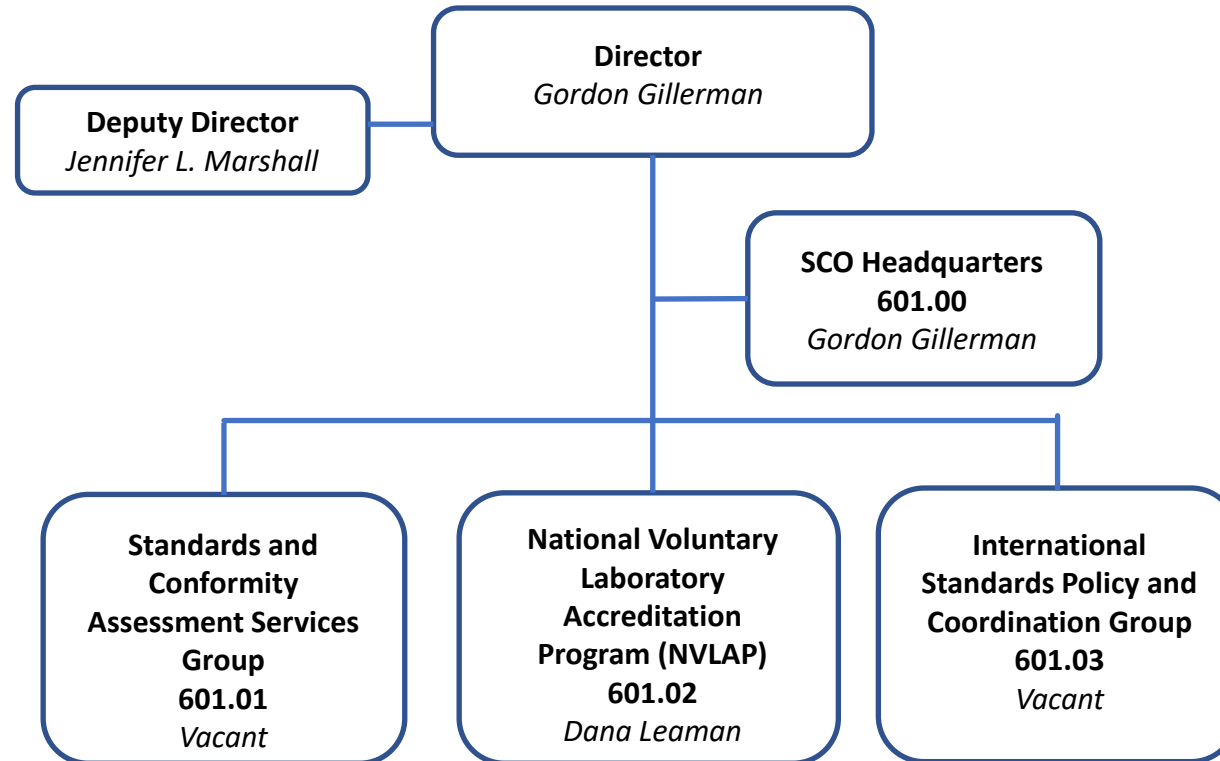


Mission

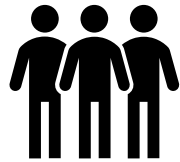
To promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

Standards Coordination Office

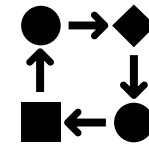




Education



Accreditation
& Conformity
Assessment



Quality & Risk
Management



Trade



Standards
Development

Standards for Conformity Assessment

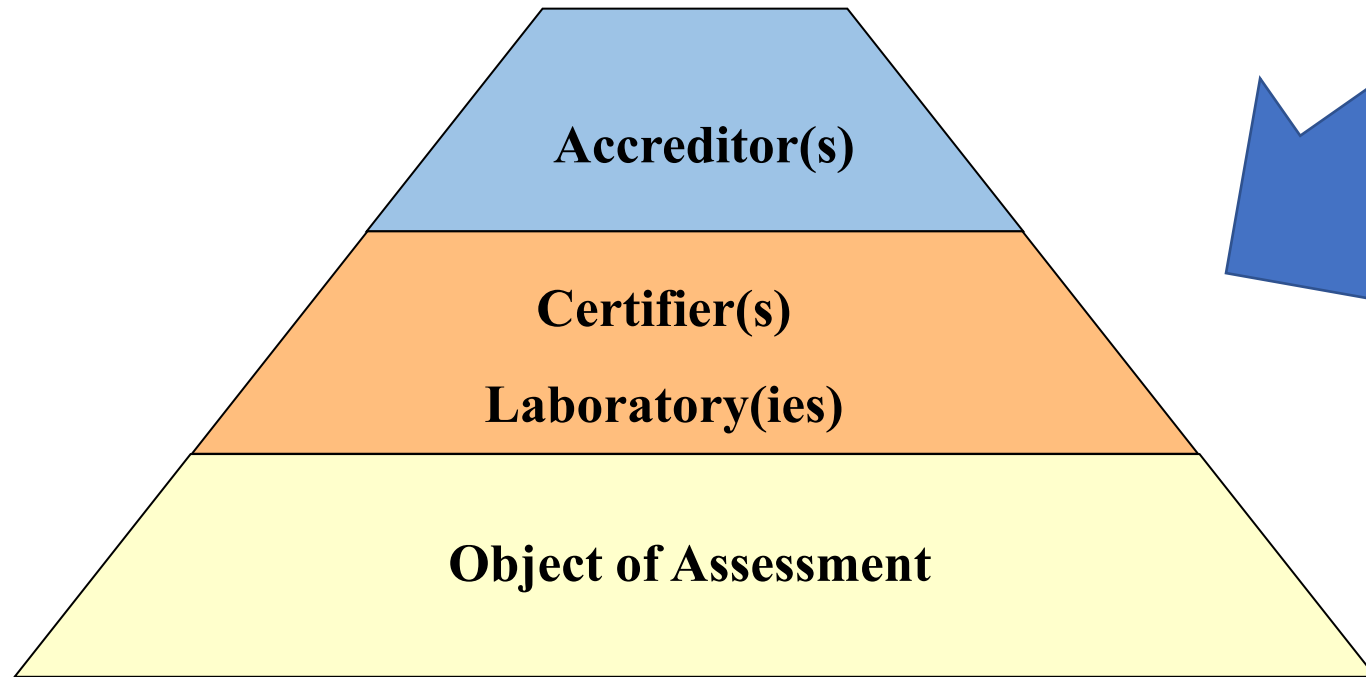
Published by International Organization for Standardization (ISO) Committee on Conformity Assessment (CASCO) in cooperation with the International Electrotechnical Commission (IEC)

CA Standards

Type	Parties			Standard(s)
	1 st	2 nd	3 rd	
Testing	✓	✓	✓	ISO/IEC 17025
Inspection	✓	✓	✓	ISO/IEC 17020
Supplier's Declaration of Conformity (SDoC)	✓			ISO/IEC 17050 Parts 1 and 2
Certification				
Products, processes, services			✓	ISO/IEC 17065 [ISO/IEC 17067]
Management systems			✓	ISO/IEC 17021
Persons			✓	ISO/IEC 17024
Accreditation			✓	ISO/IEC 17011

Confidence in testers, inspectors, certifiers, accreditors?

Who Watches the Watchers?



Conformity assessment scheme owner (program owner)



Factors in building conformity assessment systems

One size does not fit all



Risks associated with non-compliance should be proportional to the rigor of the system design

- Over-design can be costly
- Under-design reduces confidence



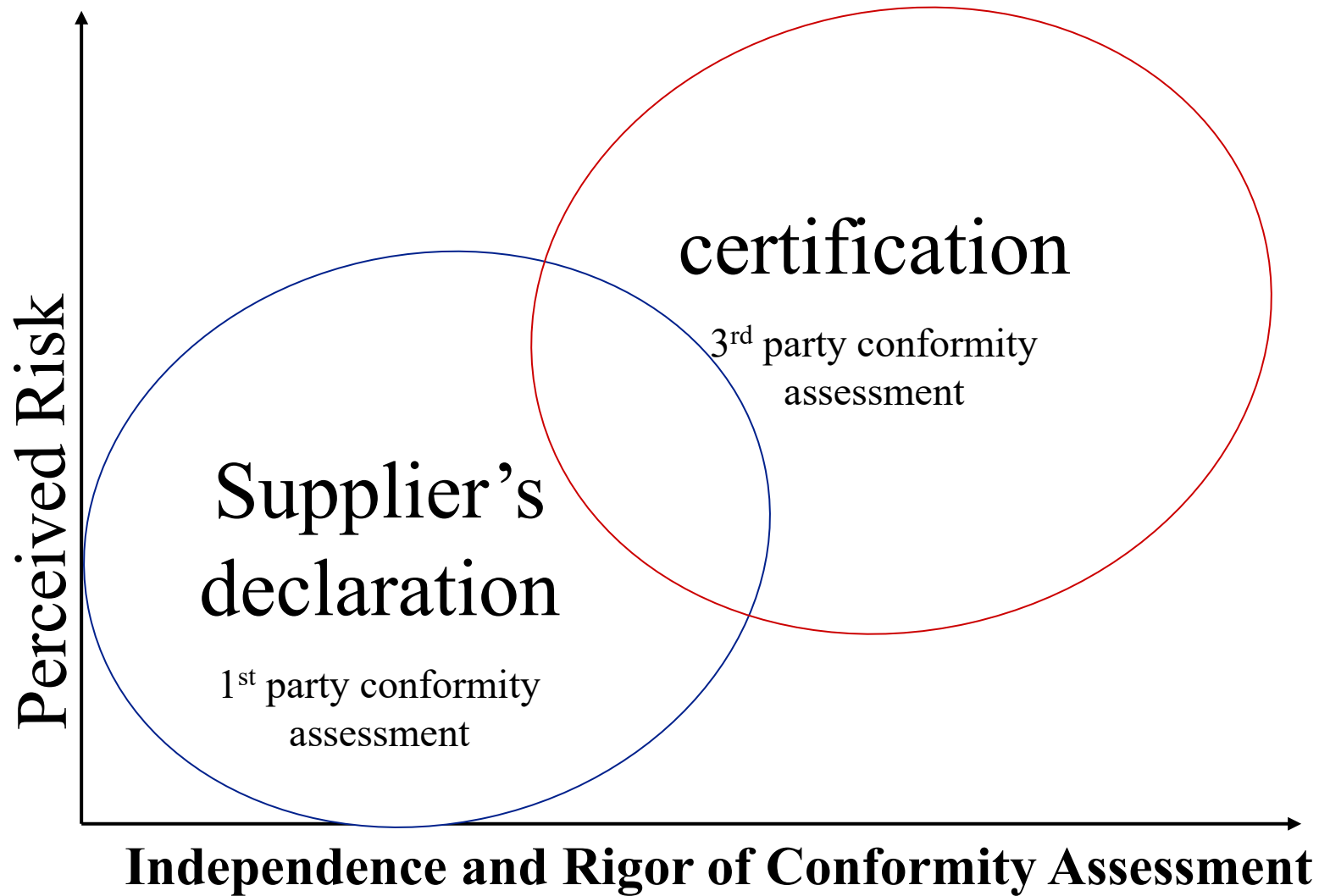
Marketplace consequences, regulatory penalties and effective recall processes can allow less rigor in conformity assessment

The ABCs of Conformity Assessment, NIST SP 2000-01

Conformity Assessment Considerations for Federal Agencies, NIST SP 2000-02

Risk and Conformity Assessment

confidence is the key



Federal Agency Use of Conformity Assessment

- Legislation & Policy
 - National Technology Transfer & Advancement Act
 - OMB Circular A-119 Revised*
 - WTO Technical Barrier to Trade Agreements (WTO TBT)
 - Legislation focused on topic
- Themes
 - Agencies should first consider using industry standards (conformity assessment standards)
 - Agencies should reduce industry complexity where possible (complexity = time/effort/cost)
 - Consider and leverage private-sector CA programs and other public-sector CA programs

*OMB Circular A-119: Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities – 2016

Conformity Assessment Resources for Federal Agencies

Publications

- NIST SP 2000-01: [ABCs of Conformity Assessment](#)^{CF} (2018)
- NIST SP 2000-02: [Conformity Assessment Considerations for Federal Agencies](#)^{CF} (2018)

Resources

- [List of Example Federal Agency Conformity Assessment Programs](#)
The list of conformity assessment program examples is being provided to help facilitate best practice sharing between Federal Agencies and programs on ways to utilize conformity assessment to meet federal agency missions, objectives, and regulatory requirements.
- [Sample Documents for Conformity Assessment Topics](#)
The example documents and websites on this page may be useful to federal agencies in using conformity assessment to meet agency missions, objectives and regulatory requirements. Each example addresses a conformity assessment topic, and many are part of the respective federal agency conformity assessment program's oversight responsibilities.
- [Guidance on Federal Conformity Assessment Activities](#) (15 CFR Part 287)
Final policy guidance on Federal agency use of conformity assessment activities. The provisions are solely intended to be used as guidance for agencies in their conformity assessment activities and do not preempt the agencies' authority and responsibility to make regulatory procurement decisions authorized by statute or required to meet programmatic objectives and requirements.