

Why Voluntary Consensus Standards?

- Stakeholder expertise is leveraged
- The standards evolves with technology and needs
- Consensus achieves general agreement that the community can live with
- Common methods and requirements support evaluation and comparability
- Approach is supported by federal policy (NTTAA and OMB A119)

Standards for Global Market Success

- Harmonized standards are generally generally ideal
- Avoid mutually exclusive technical requirements
- Globally “able” products

Conformity Assessment Systems

- Provide confidence in product performance
- Helps government and the market manage risks associated with non-compliance
- Supported by market based sustainable business models
- International standards, infrastructures and capabilities already exist for conformity assessment
- Globally “able” products

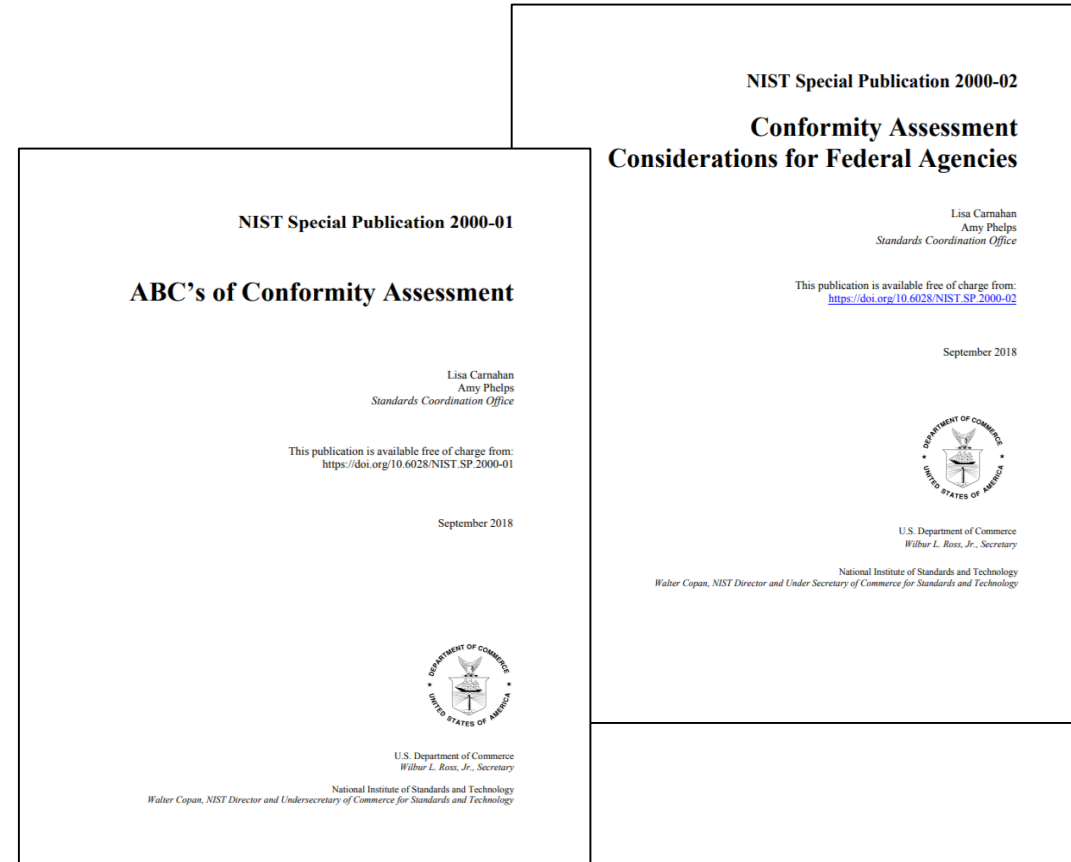
Common Approach - Standards for Conformity Assessment

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
Management systems			✓	ISO/IEC 17021
Persons			✓	ISO/IEC 17024
Accreditation			✓	ISO/IEC 17011

Resources from NIST - Special Publications



Available at standards.gov



Voluntary Consensus Standards and Conformity Assessment – Performance Targets and Test Methods to Sustainable Implementation

Air Sensors 2019: EPA's Second Workshop on Deliberating
Performance Targets for Air Quality Sensors

July 17, 2019

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