

Conformity Assessment

Good Regulatory Practices & Technical Competencies South
Africa Health Products Regulatory Authority (SAPHRA) &
Regulated Sector

November 16, 2023

Learning Objectives

If we are successful, we will be able to:

- Identify different types of conformity assessment activities and associated international standards,
- Leverage risk-based approaches to conformity assessment,
- Explain how technical rigor and independence impact confidence in conformity.

Conformity Assessment: Confidence is the key **NIST**

The process of conformity assessment **demonstrates whether a product, service, process, claim, system or person meets the relevant requirements.**

- ISO/IEC 17000

OR

“The prove it process”

First Party	Conformity assessment activity performed by the person or organization that provides the product/service/etc. (seller or manufacturer)
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Second Party	Conformity assessment activity performed by the purchaser or user
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Third Party	Conformity assessment activity performed by an independent entity that has no interest in transactions between the first and second parties
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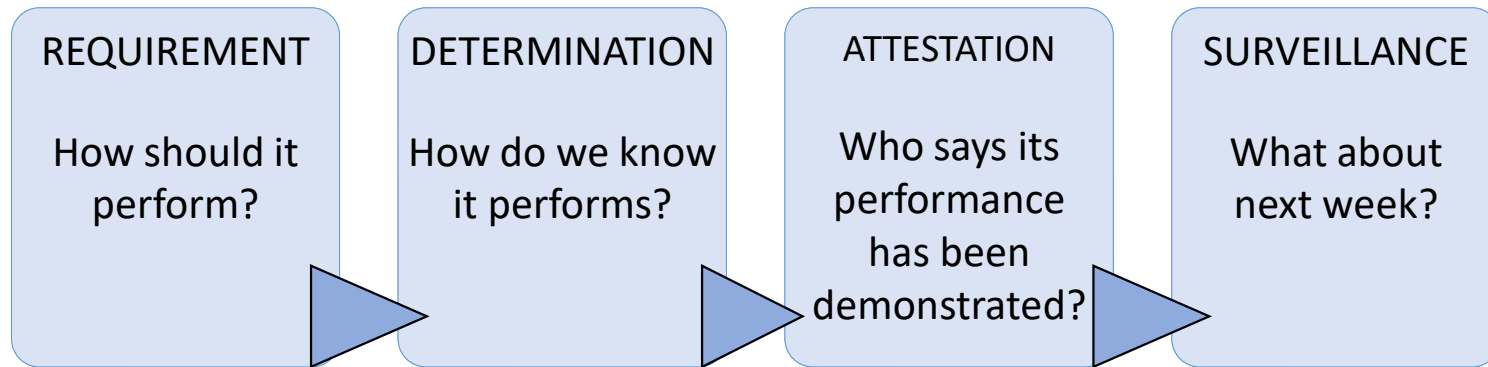
Standards for Conformity Assessment

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

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

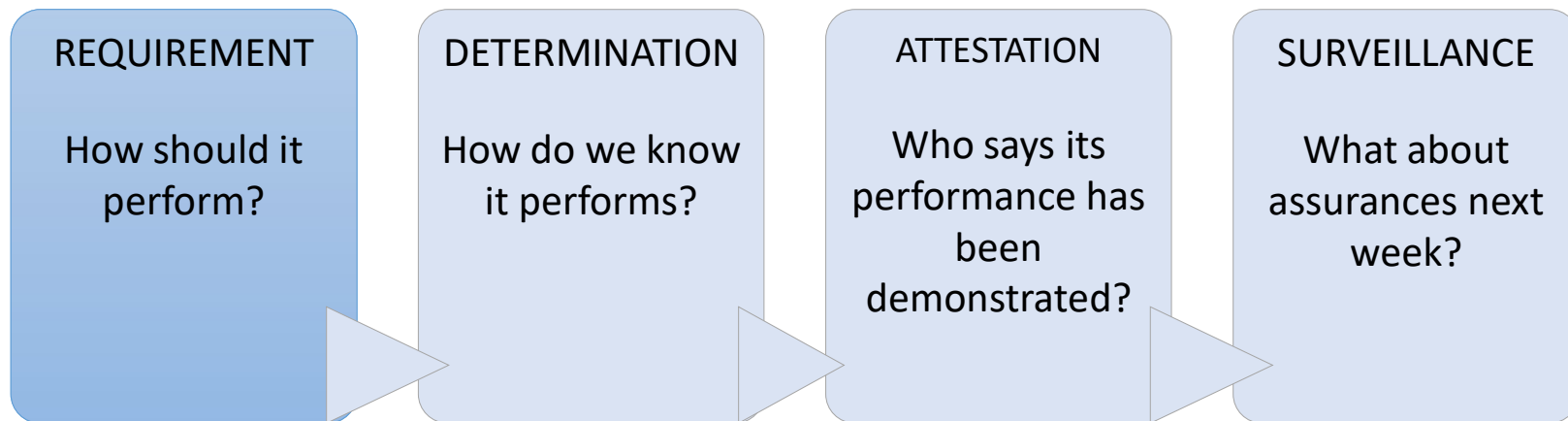
CA Standards

Conceptual View of Conformity Assessment



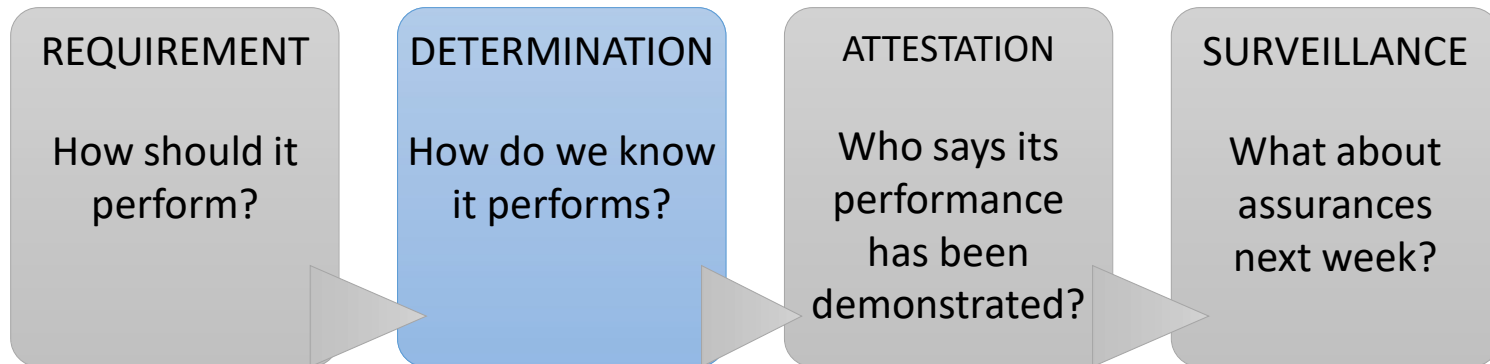
* ISO/IEC 17000 Conformity assessment – Vocabulary and general principles

Requirement



- Defines characteristics of the object of assessment
- Can be expressed in various ways (e.g., standards, regulations, manufacturing specifications, customer requirements...)

Determination



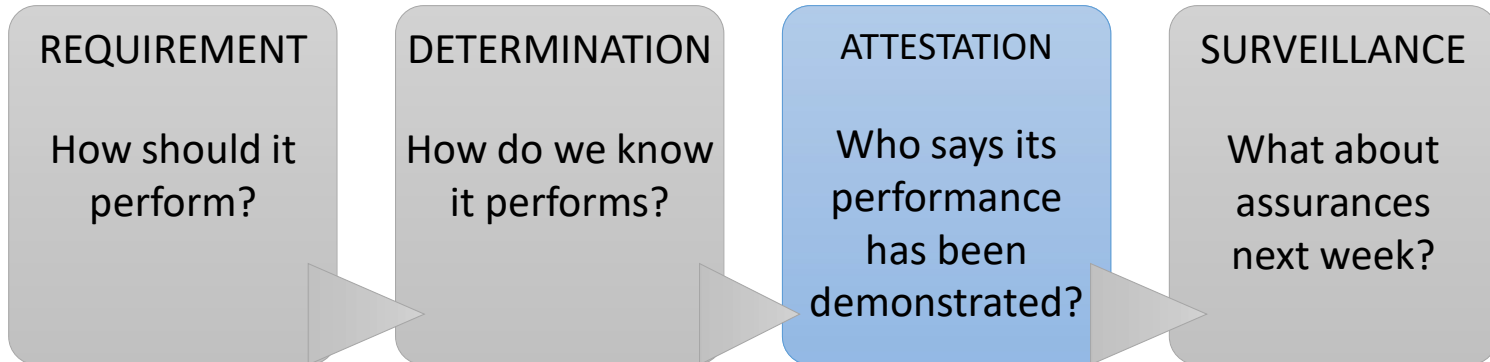
Testing: Determination of one or more characteristics of an object of conformity, according to a procedure

Inspection: Examination of a product design, product, process or installation and determination of its conformity with specific requirements or, on the basis of professional judgement, with general requirements

Audit: Systematic, independent, documented process for obtaining records, statements of fact or other relevant information and assessing them objectively to determine the extent to which requirements are fulfilled

Peer assessment: assessment of a body against specified requirements by representatives of other bodies

Attestation



Attestation: Issue of a statement that fulfilment of specified requirements has been demonstrated

By First Party:



Supplier's Declaration of Conformity (SDoC)

By Third Party:

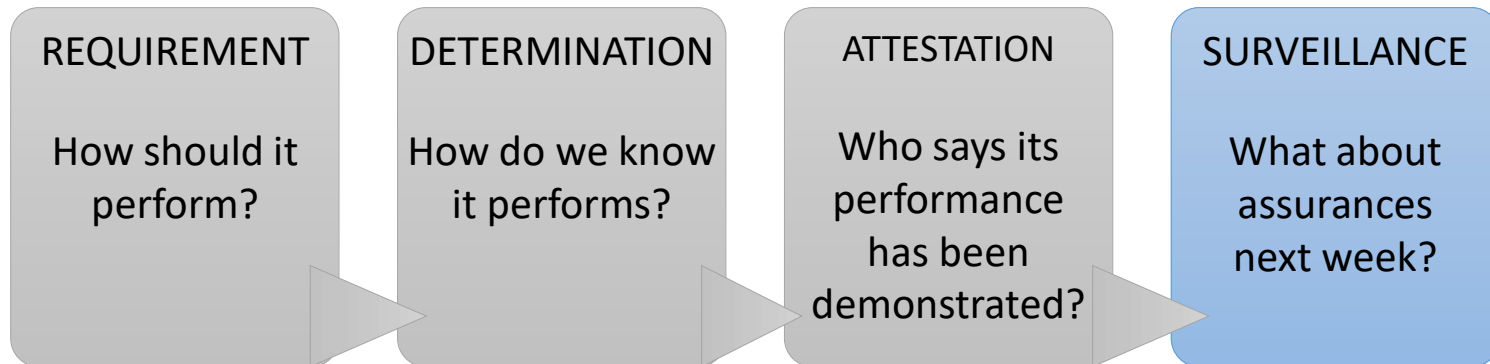


Certification



Accreditation

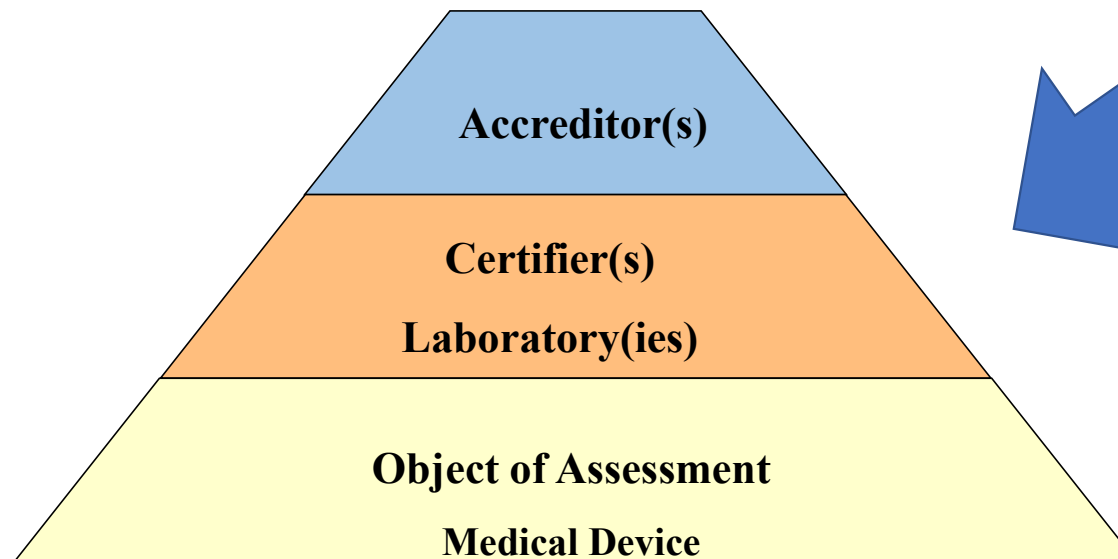




Surveillance: Systematic iteration of conformity assessment activities as a basis for maintaining the validity of the statement of conformity (attestation)

- Conformity decisions are often based on a sample and a point-in-time
- Confidence for: a whole population of products - systems today, tomorrow, next year
 - Purchasers, consumers and regulators want it
 - Certifiers want to know their attestations are still valid
- Can be pre- or post-market

Who is Watching?

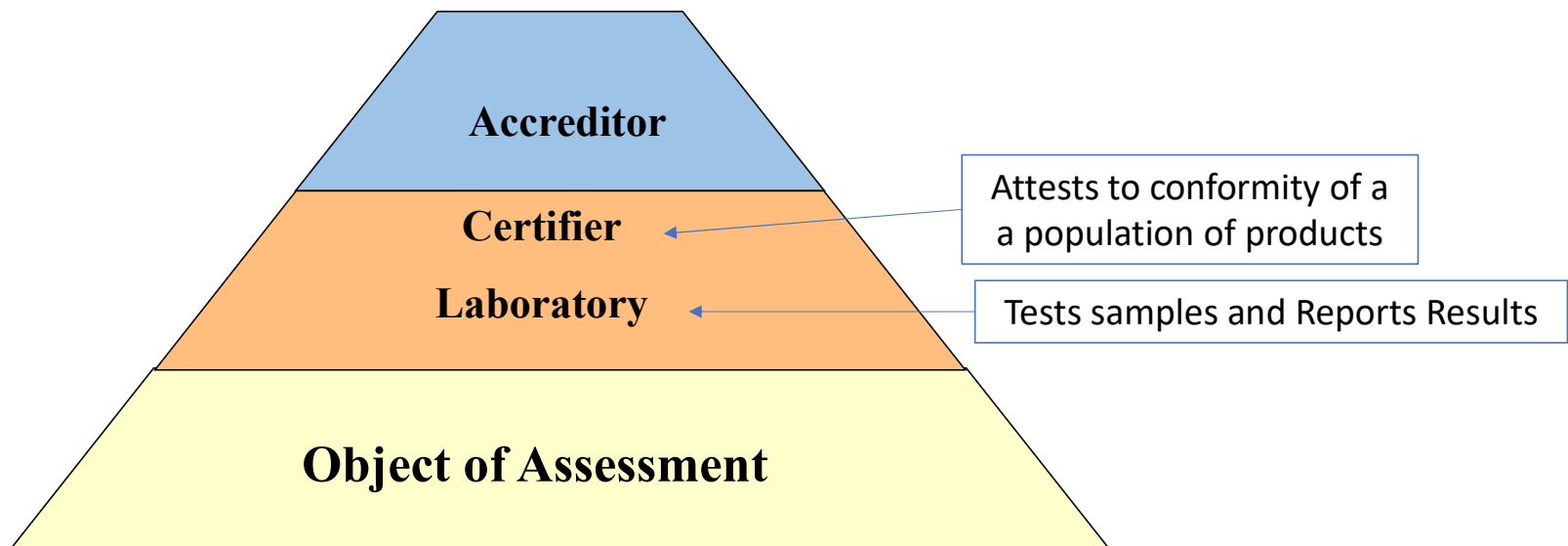


Conformity assessment scheme owner (program owner) sets the rules



Who Is Watching?

Generally for Products



Example: FDA Accreditation Scheme for Conformity Assessment (ASCA)



FDA ASCA Program Goal:
improve efficiency of
premarket review by
building confidence in test
results from ASCA-
accredited test labs

Accredits Testing Labs
according to ISO/IEC 17025
and FDA program
specifications

**Accreditation
Body**

*ISO/IEC 17011 +
FDA program specifications*

- Role of FDA**
- Defines and oversees program
 - Establishes additional specific program specifications to clarify ISO/IEC conformity assessment standards
 - Specifies rules and procedures for approval at all levels of the program

Conducts testing and
produces test reports of
specific product
characteristics per defined
test method

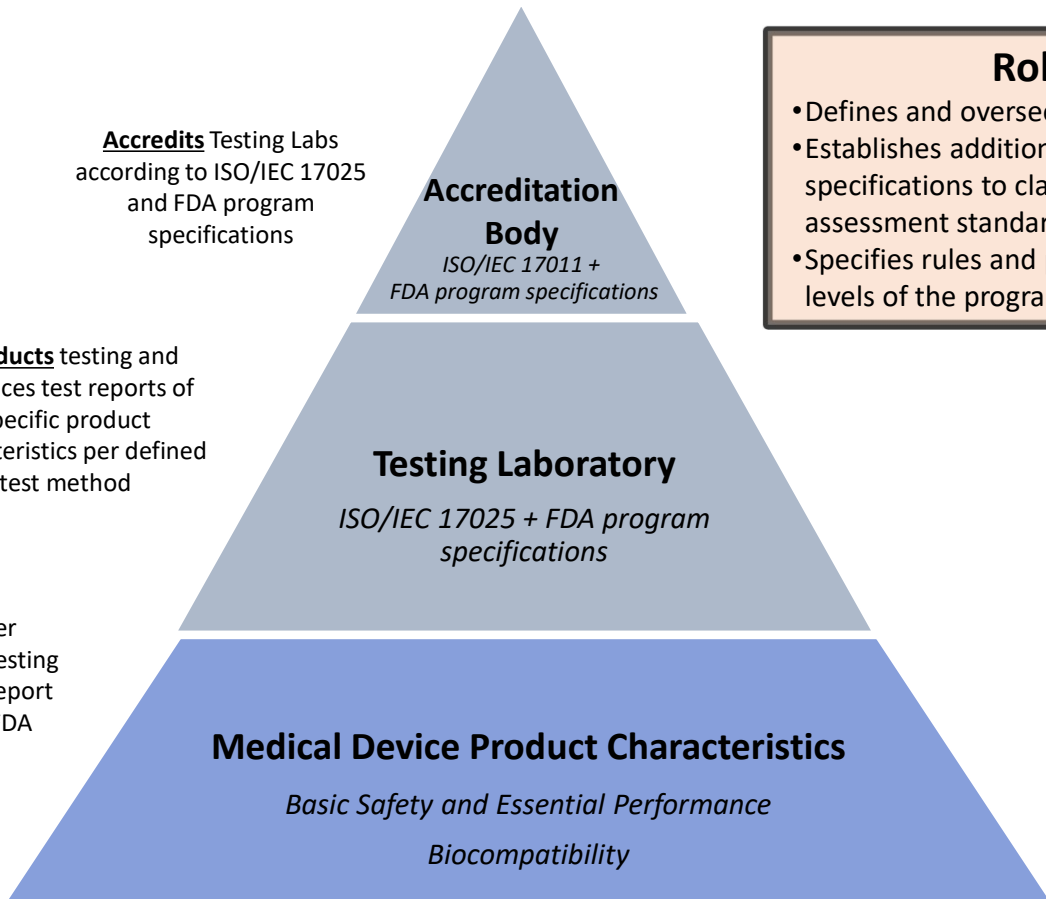
Testing Laboratory

*ISO/IEC 17025 + FDA program
specifications*

Manufacturer
contracts with testing
lab for testing report
to submit to FDA

Medical Device Product Characteristics

*Basic Safety and Essential Performance
Biocompatibility*



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



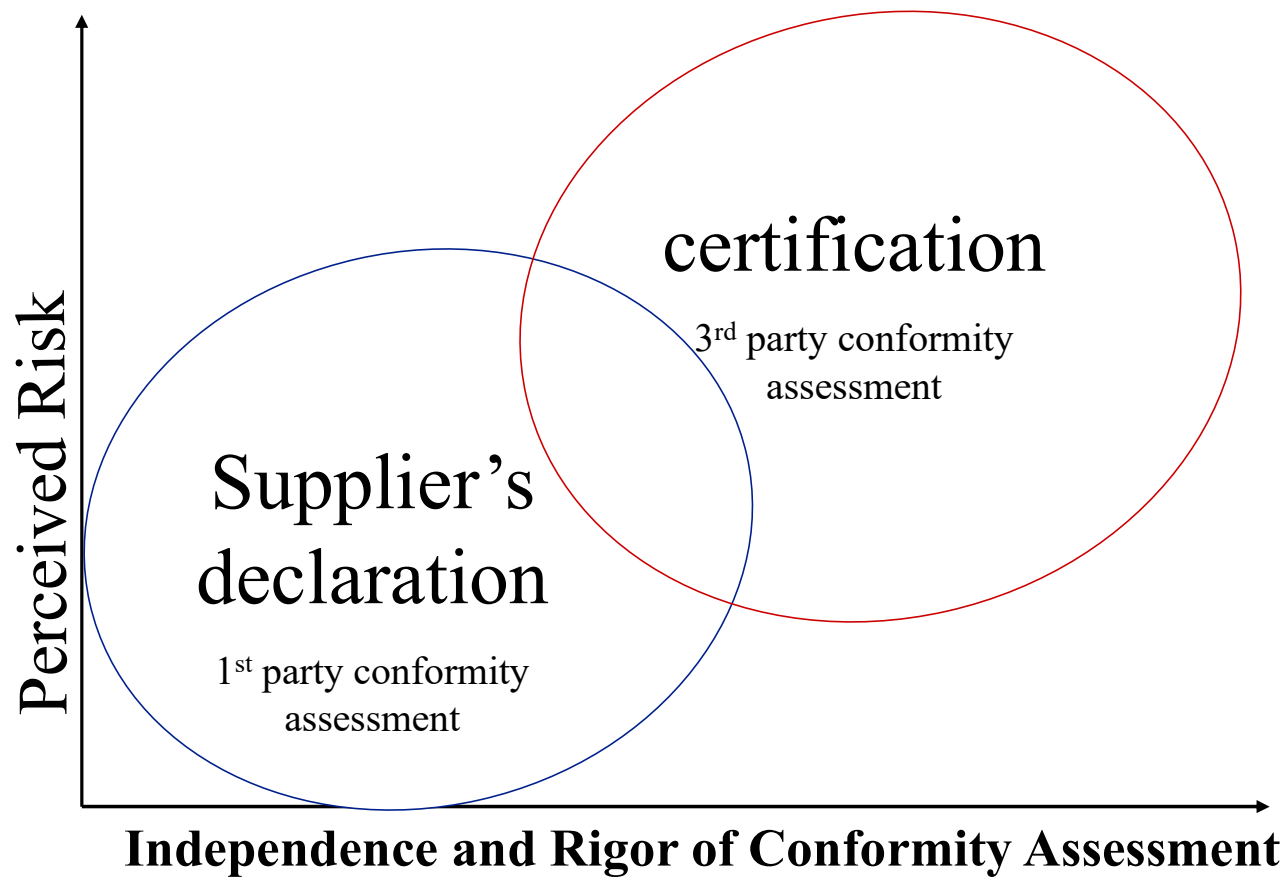
Marketplace consequences, regulatory penalties and effective recall processes can allow less rigor in conformity assessment

The ABCs of Conformity Assessment, NIST SP 2000-01

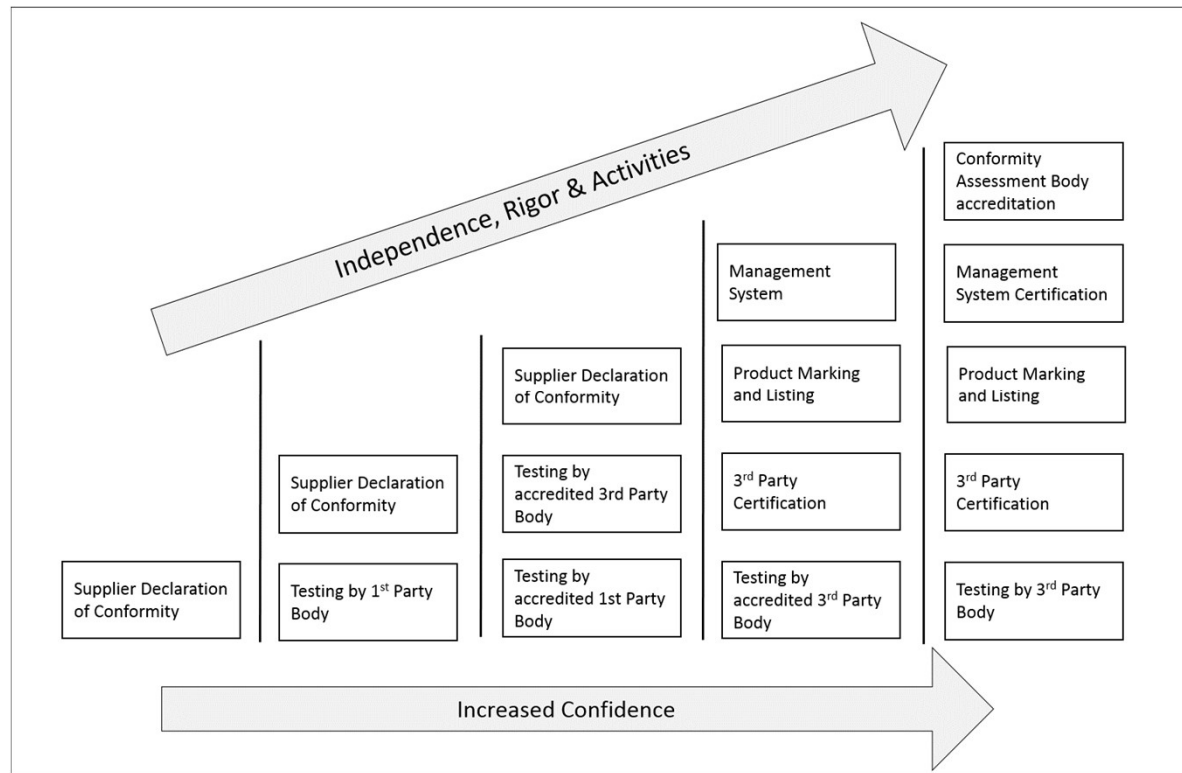
Conformity Assessment Considerations for Federal Agencies, NIST SP 2000-02

Risk and Conformity Assessment

confidence is the key



Flexibility to Address Confidence



(Example models)

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

NIST Conformity Assessment Special Publications

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

Learning Objectives – Reviewed:

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