



Global Standards Information



# Overview of Product Conformity Assessment and Examples of Approaches to Certification

Future of Voting Systems  
Symposium

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# Conformity Assessment

“demonstration that specified requirements relating to a product, process, system, person, or body are fulfilled”

- *ISO/IEC 17000*

# The Parties – who done it?

First Party – seller or manufacturer

Second Party – purchaser or user

Third Party – independent entity

Government

# Types of Conformity Assessment

- Supplier's Declaration of Conformity (SDoC)
- Inspection
- Testing
- Certification
- Registration
- Accreditation
- ISO/IEC 17050 parts 1 and 2
- ISO/IEC 17020
- ISO/IEC 17025
- ISO/IEC Guide 65
- ISO/IEC 17021
- ISO/IEC 17011

# Supplier's Declaration of Conformity (SDoC)

1<sup>st</sup> Party  
2<sup>nd</sup> Party  
3<sup>rd</sup> Party

## Characteristics

- Used when low product risk
- Penalties for noncompliant products
- Effective recall system



## Examples



- ISO/IEC 17050

1st Party  
2nd Party  
**3rd Party**

# Certification

## Characteristics

- Used when moderate – high product risk
- More expensive
- Surveillance

- *ISO/IEC GUIDE 65*

## Examples



# Accreditation

1<sup>st</sup> Party  
2<sup>nd</sup> Party  
**3<sup>rd</sup> Party**

## Characteristics

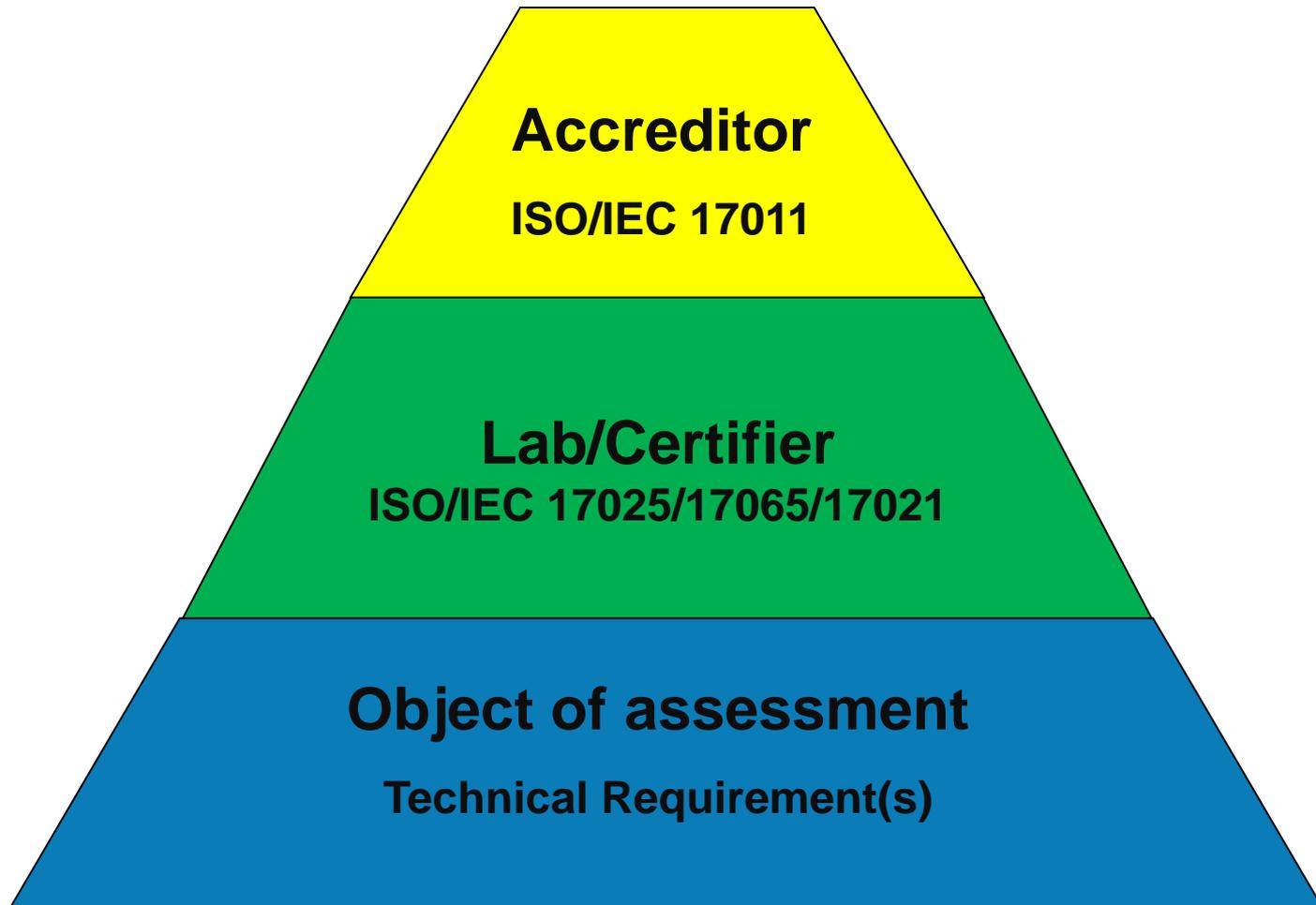
- Confidence in Competence

## Examples



- *ISO/IEC 17011*

# Conformity Assessment Hierarchy



# SDoC for EU RTTE Directive

## DECLARATION OF CONFORMITY

**DoC Number:** LV/001/12/M0CBD/D

**Responsible Organization:** My Company Mobile Ltd.

Anywhere

Any Street

123 ABC Drive

Middle of Nowhere

G24 8WQ

UNITED KINGDOM

**Product Description:** Mobile Phone supporting: WCDMA 1900/2100/850/900, GSM 1800/1900/850/900, Bluetooth Class 2, 802.11b/g/n

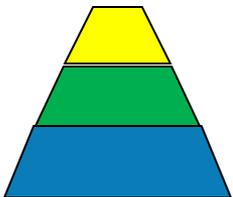
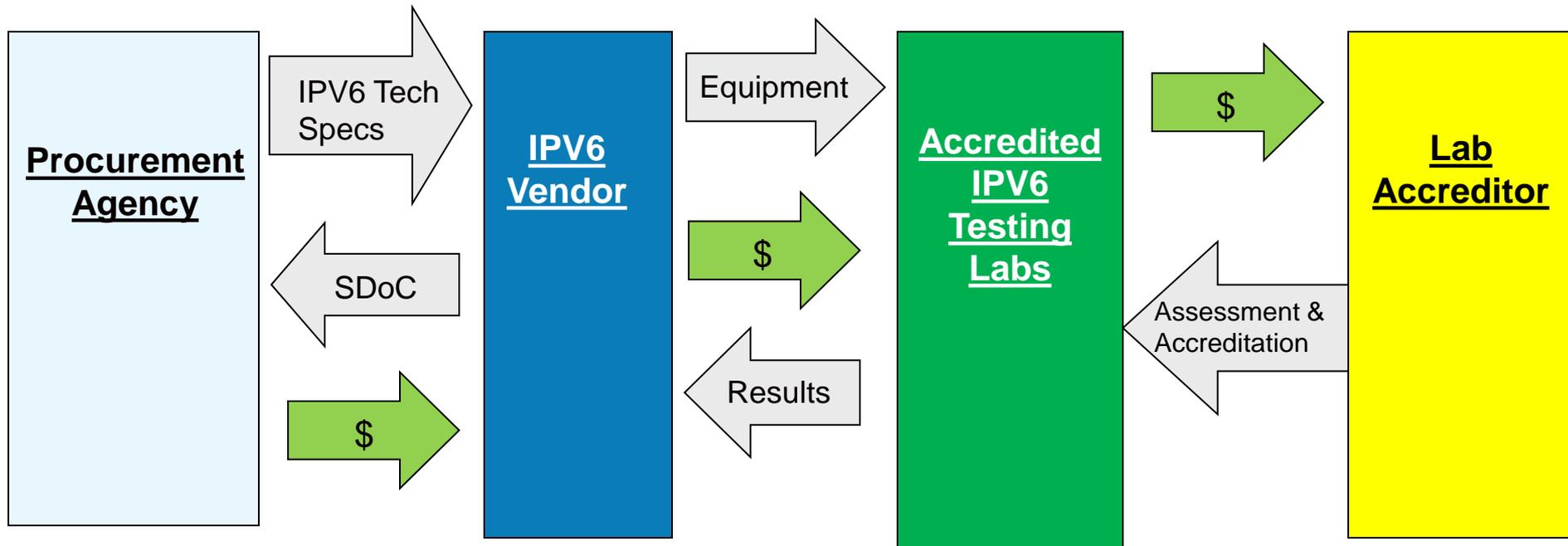
**Type Name:** M0CBD

**Market Model Name:** *Ultra Sleek 55*

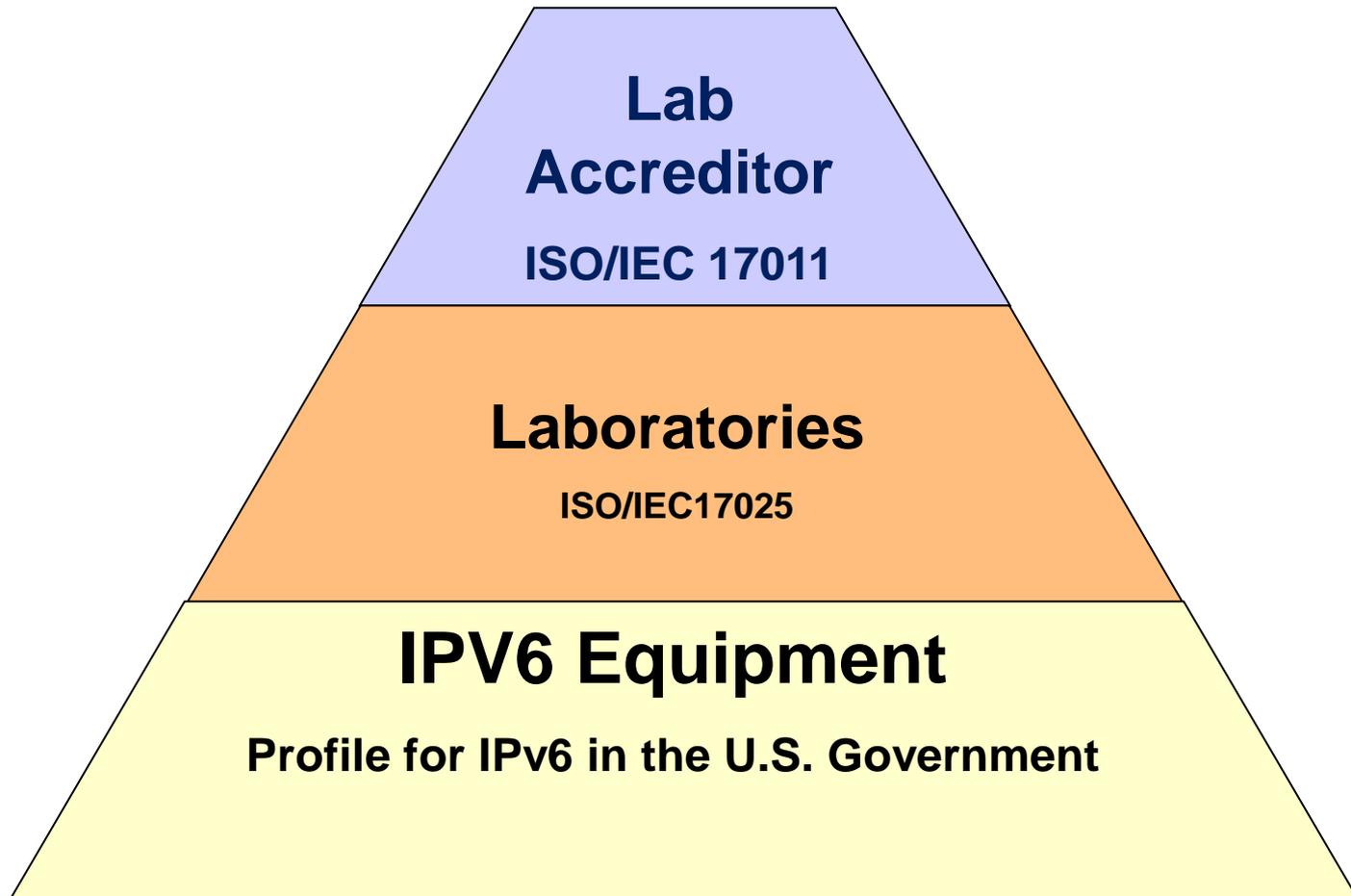
**Notes:** The equipment will also carry the R&TTE Class 2 equipment identifier “ “ WiFi Indoor use only in France.

We, My Company Mobile Ltd., declare under our sole responsibility that the above named product(s) conform(s) to all of the essential requirements of the European Union Directive **1999/5/EC Radio & Telecommunications Terminal Equipment (R&TTE)**. The conformity assessment procedure referred to in Article 10 and detailed in Annex V of Directive 1999/5/EC has been followed and performed

# IPV6 Example - Conformity Assessment System

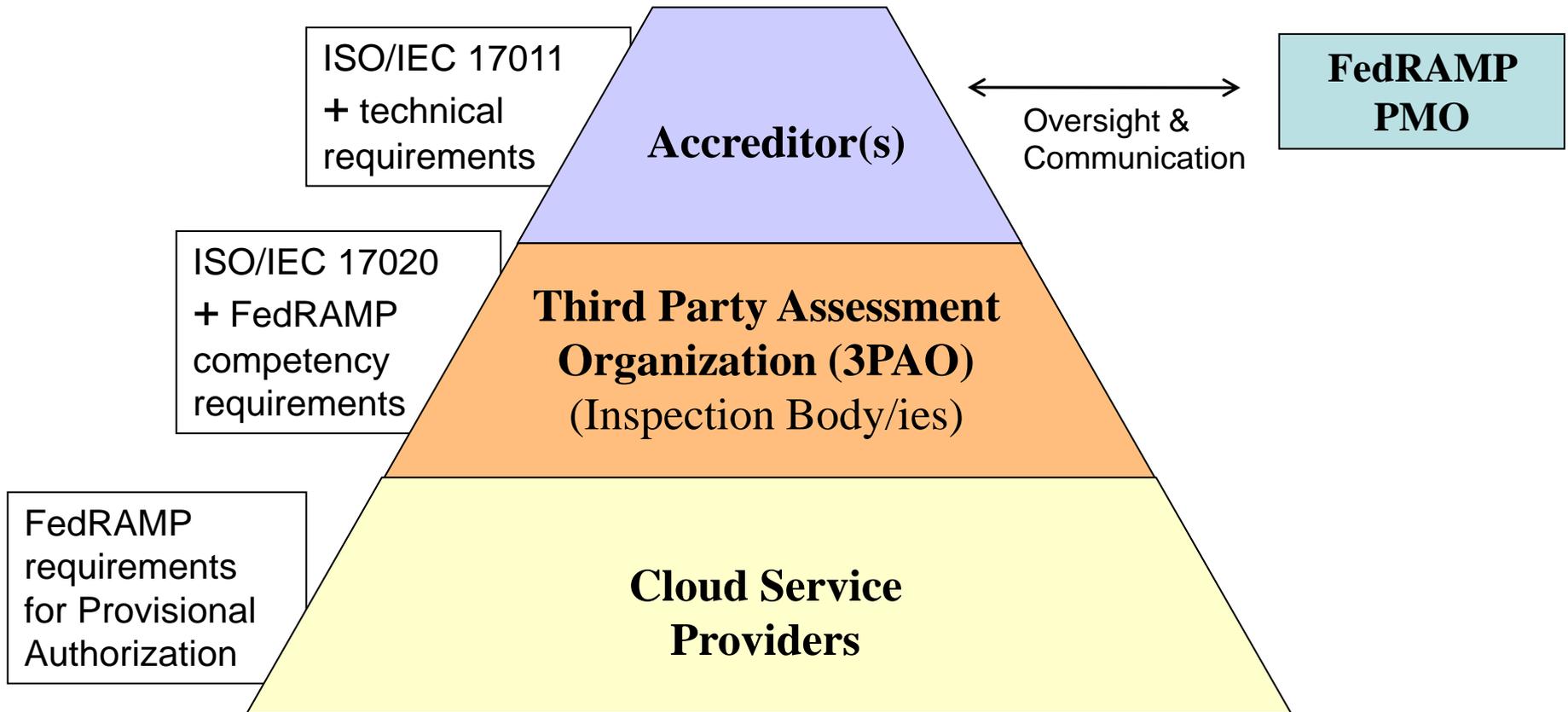


# IPV CA Hierarchy



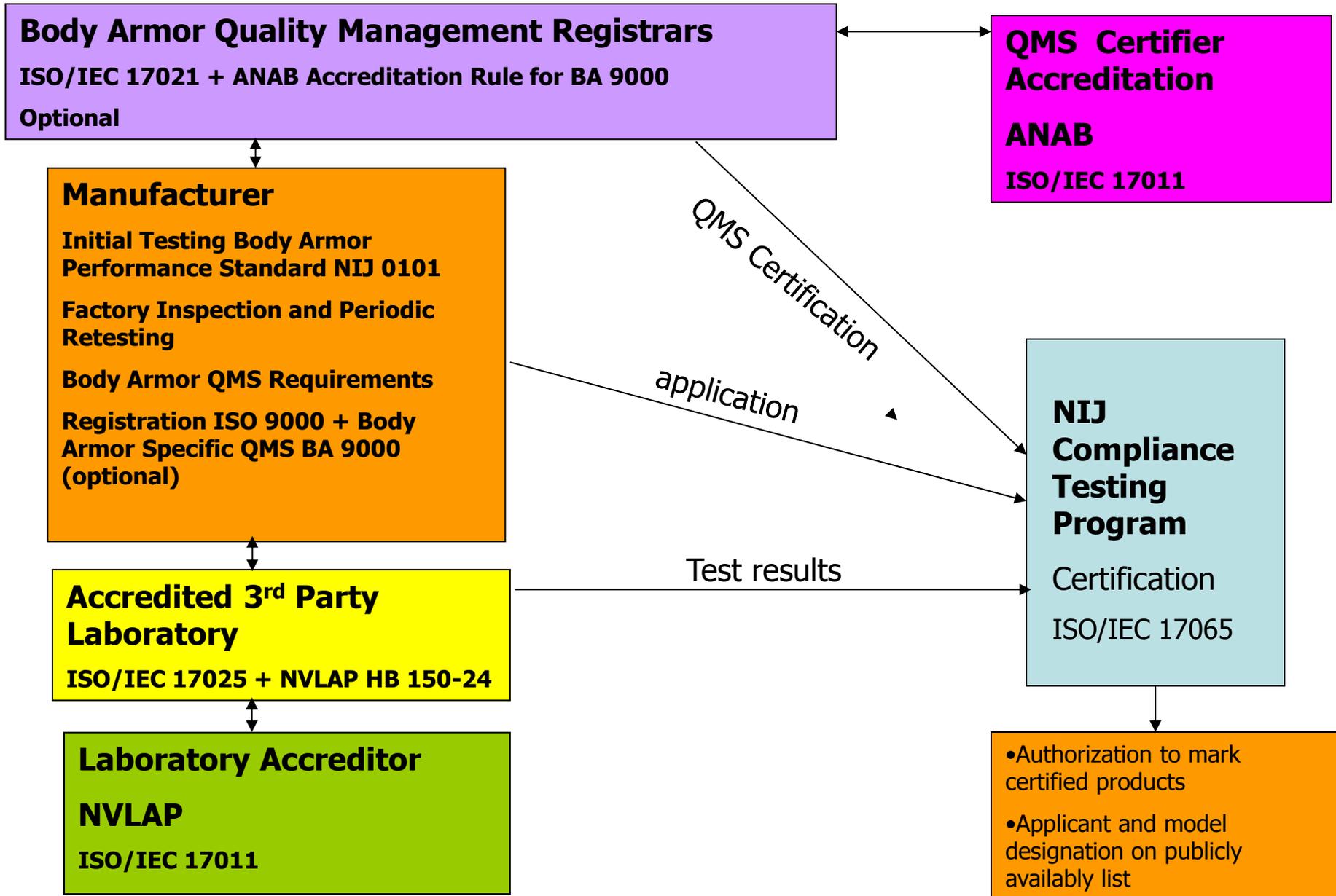


# FedRAMP 3PAO Hierarchy



ISO/IEC 17011; Conformity assessment -- General requirements for accreditation bodies accrediting conformity assessment bodies  
ISO/IEC 17020; General criteria for the operation of various types of bodies performing inspection

# Example - Body Armor Certification Program



Thank You

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Standards Services

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