



# **SNS COLLEGE OF TECHNOLOGY**

(An Autonomous Institution)

COIMBATORE-35



**Accredited by NBA-AICTE and Accredited by NAAC – UGC with A++ Grade**

**Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai**

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**COURSE NAME: 23EET206/ Measurements and Instrumentation**

**II YEAR / IV SEMESTER**

**UNIT 1- FUNDAMENTALS OF MEASUREMENT**

**Topic 6 – Standards and calibration**



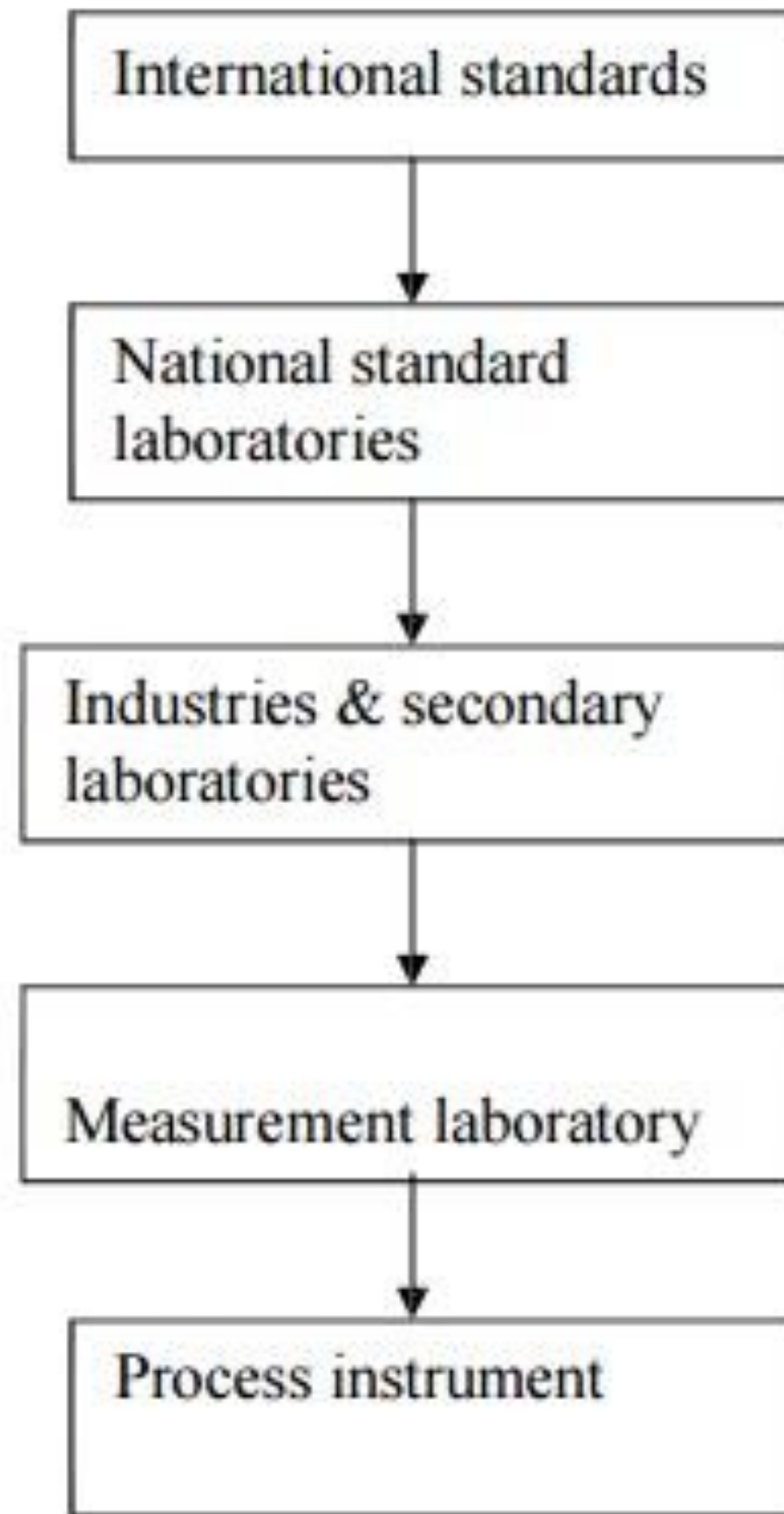
# SUCCESSFUL STUDENT

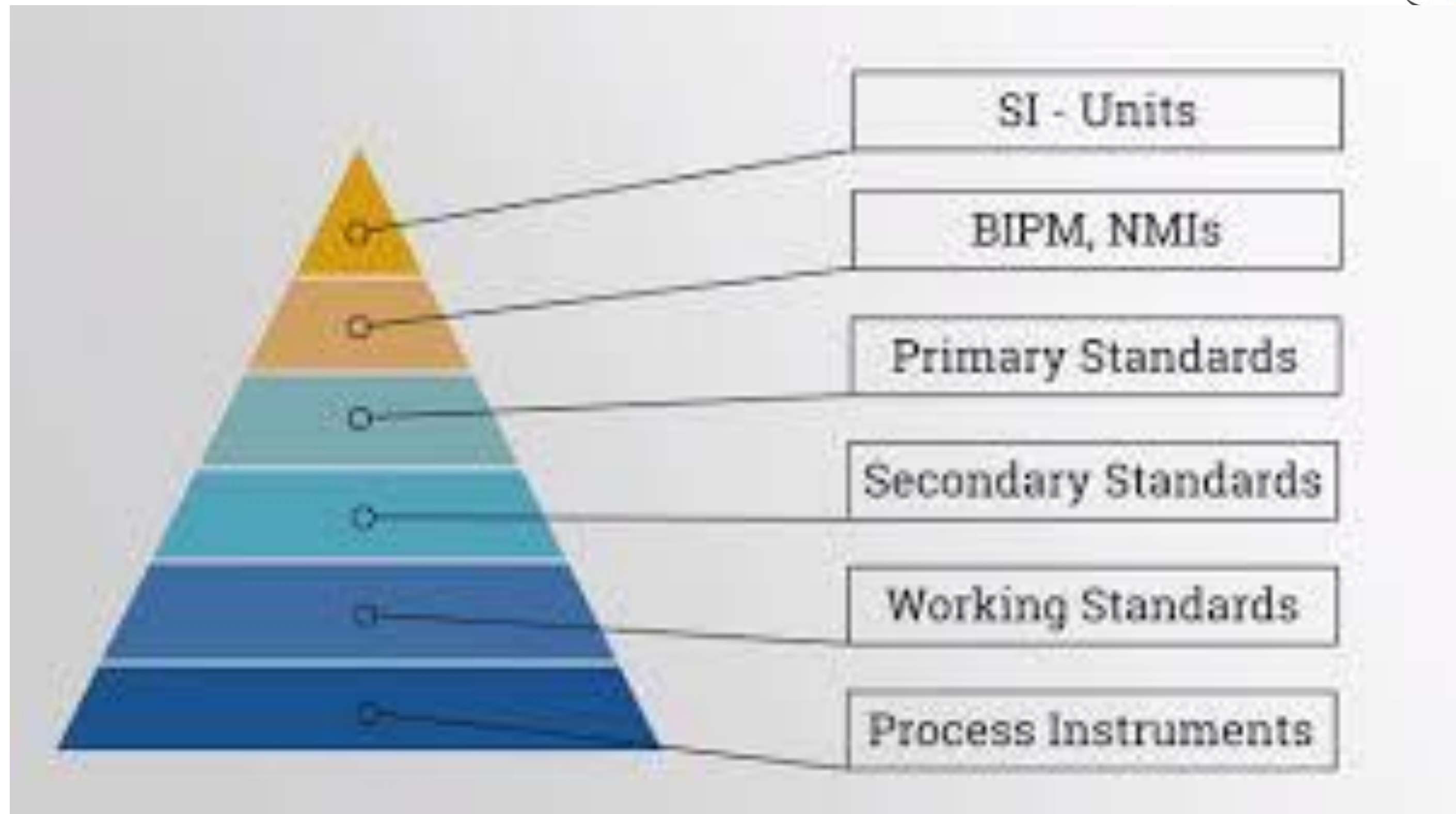
Positive  
Attitude

Professionally  
Groomed

Socially  
Interactive

Technically  
Skillful





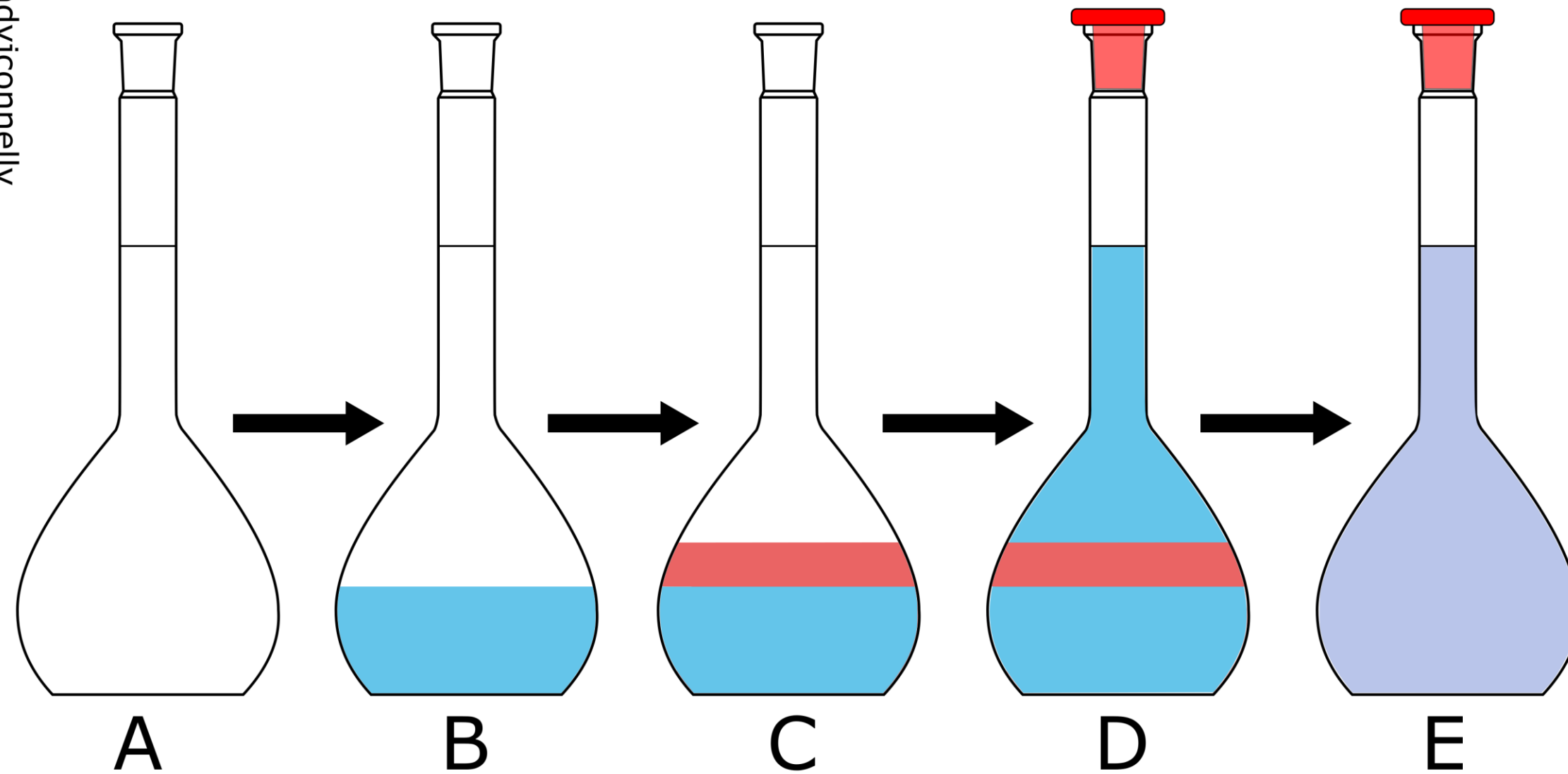




# Calibration standard preparataion

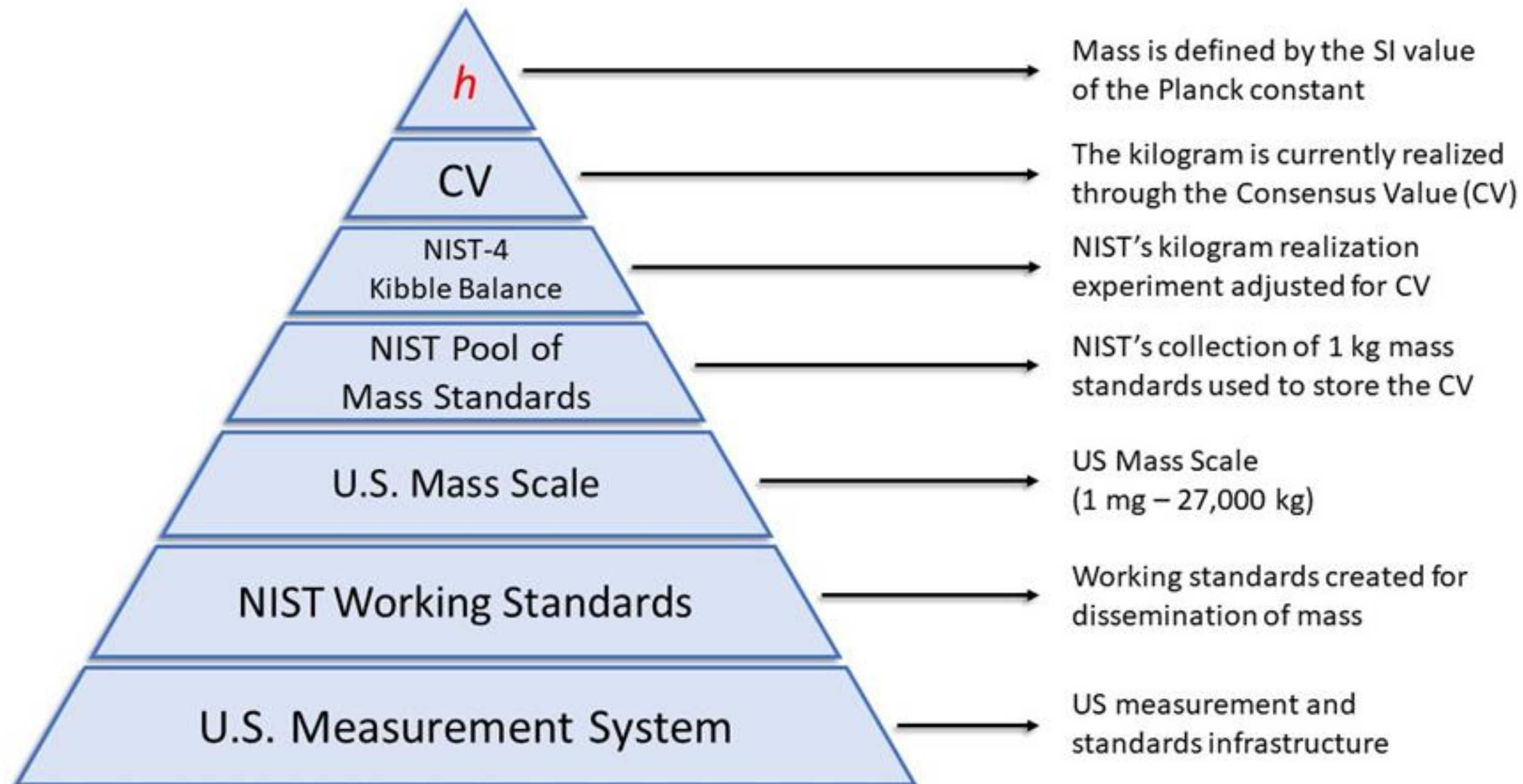
Volumetric flasks

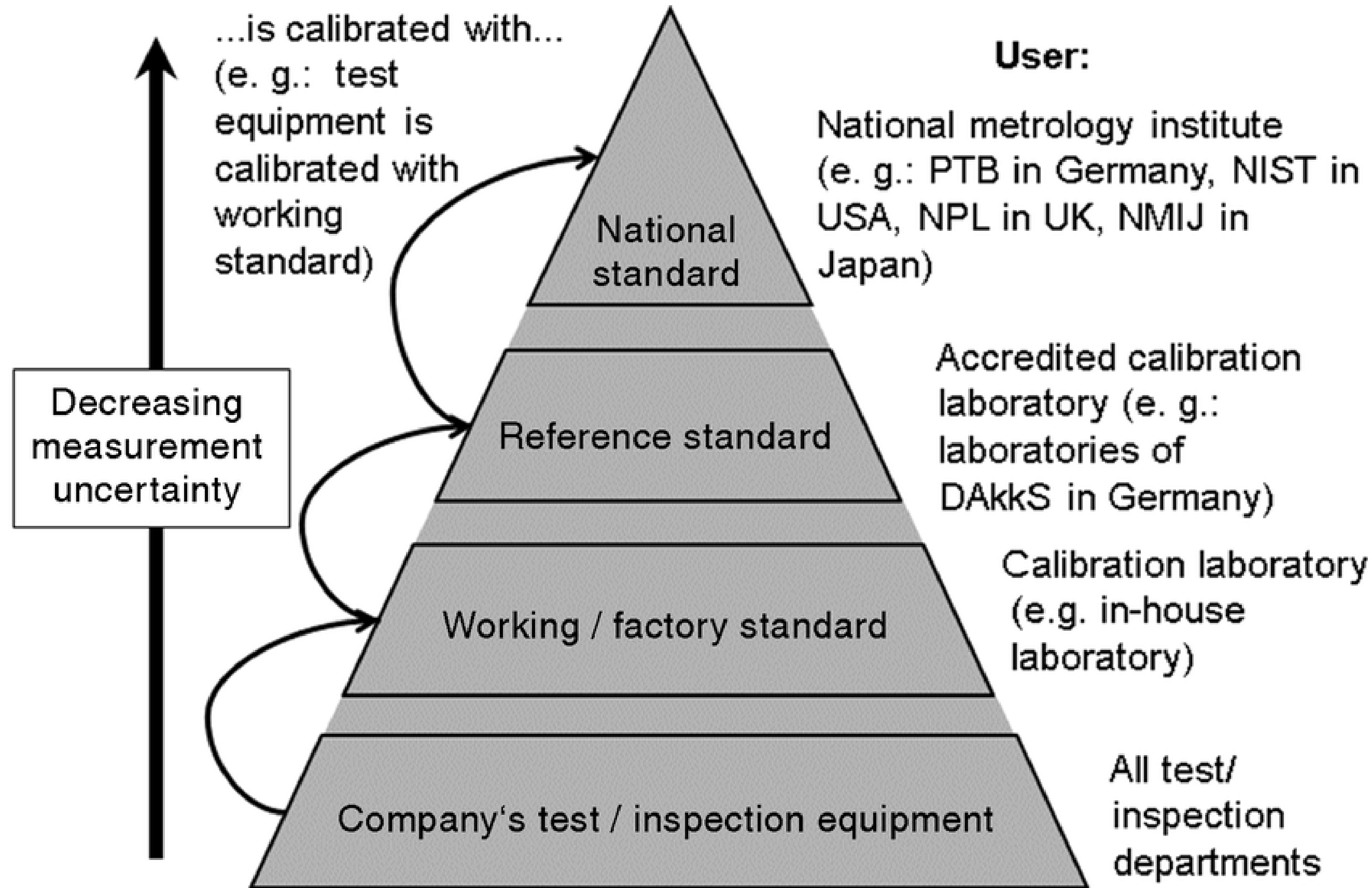
@andyjconnelly





## Mass Traceability at the National Institute of Standards and Technology (NIST)









# ASSESSMENT



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# REFERENCE

## TEXT BOOKS

- T1      A. K. Sawhney, “A Course in Electrical & Electronic Measurements & Instrumentation”, Dhanpat Rai & CO., New Delhi, 2022.**
- T2      S. Gupta and J. John , "Virtual Instrumentation using Lab VIEW", Tata McGraw-Hill Publishing Company Limited, New Delhi, 2010.**

## REFERENCES

- R1      David A.Bell, "Electronic Instrumentation and Measurements”, Oxford Higher Education, 2013**
- R2      Bouwens A J, “Digital Instrumentation”, Tata Mc Graw Hill, New Delhi2016**
- R3      Martin U. Reissland, “Electrical Measurement – Fundamental Concepts and Applications”, New Age International (P) Ltd., 2015**
- R4      J. B. Gupta, “A Course in Electronic and Electrical Measurements and Instrumentation”, S. K. Kataria & Sons, Delhi, 2013**
- R5      M. S. Anand, “Electronics Instruments and Instrumentation Technology”, Prentice Hall India, NewDelhi, 2012.**

## WEB REFERENCES

- W1      [https://pasargadabzar.com/wp-content/uploads/2022/04/Morris\\_Langari-1.pdf](https://pasargadabzar.com/wp-content/uploads/2022/04/Morris_Langari-1.pdf)**
- W2      [https://www.vssut.ac.in/lecture\\_notes/lecture1423813026.pdf](https://www.vssut.ac.in/lecture_notes/lecture1423813026.pdf)**
- W3      <https://hombredelamancha.com/products/ebook-electrical-and-electronic-measurements-and-instrumentation?srsId=AfmBOorTb5k9Ga1rsImj69-l3SximYYra7U8VhGcqYahqsfk9BR9rC7k>**



THANK YOU!!