



Bureau of Standards,
Metrology and Inspection

標準 · 檢驗 · 度量衡 · 驗證
Standards · Inspection · Metrology · Certification

Introduction of Metrology System

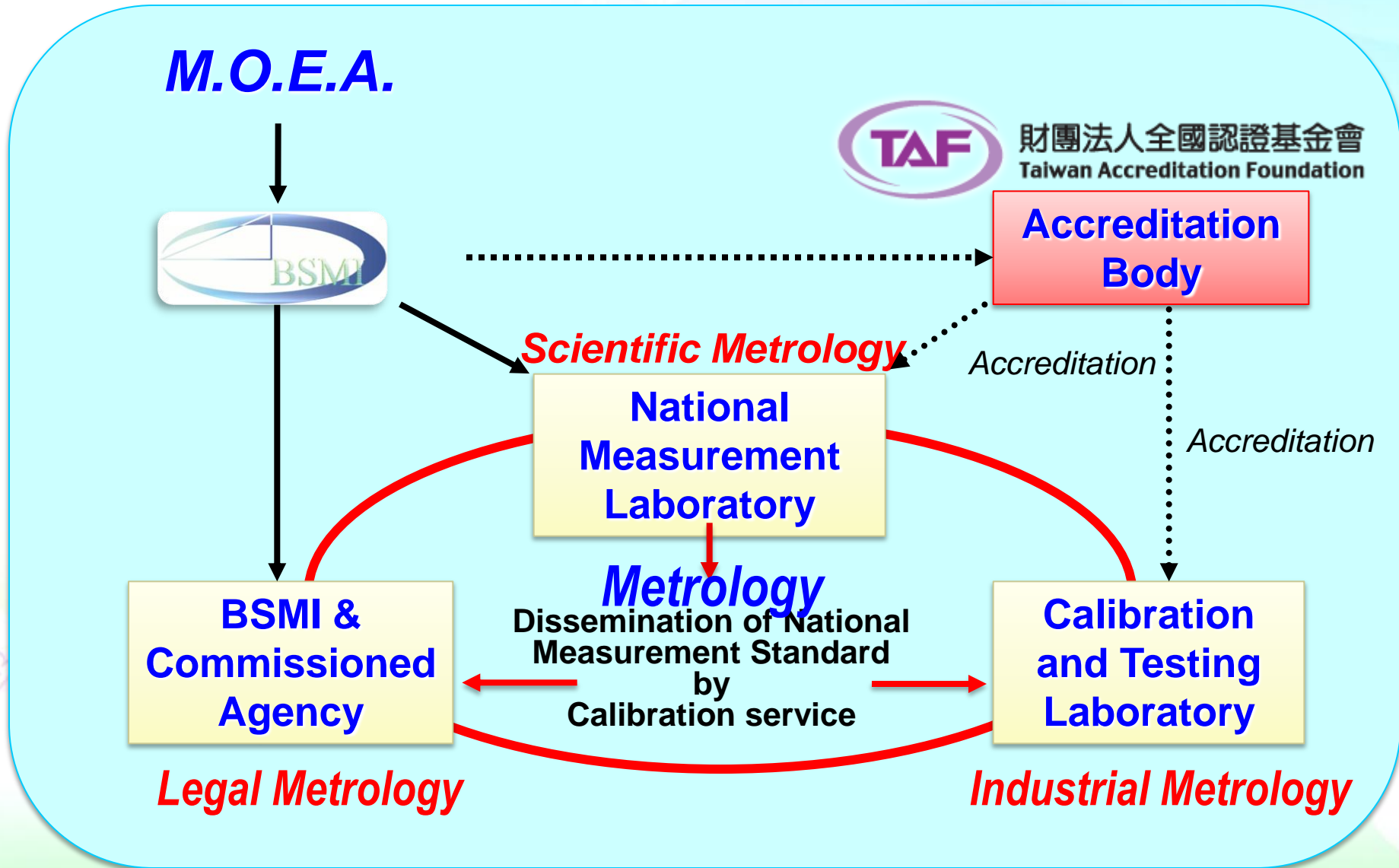
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Chinese Taipei

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Metrology System Structure

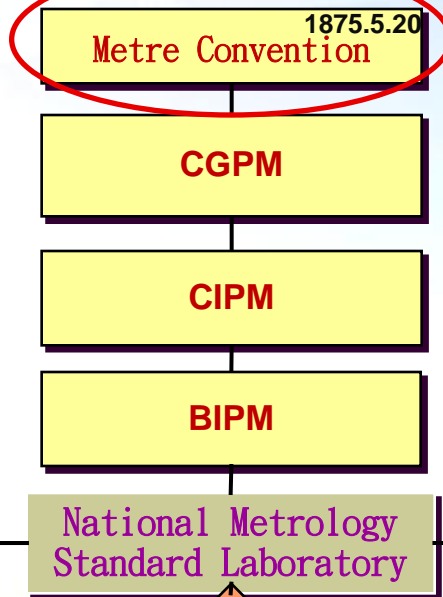


Scientific Metrology

National Metrology Standard Traceability System

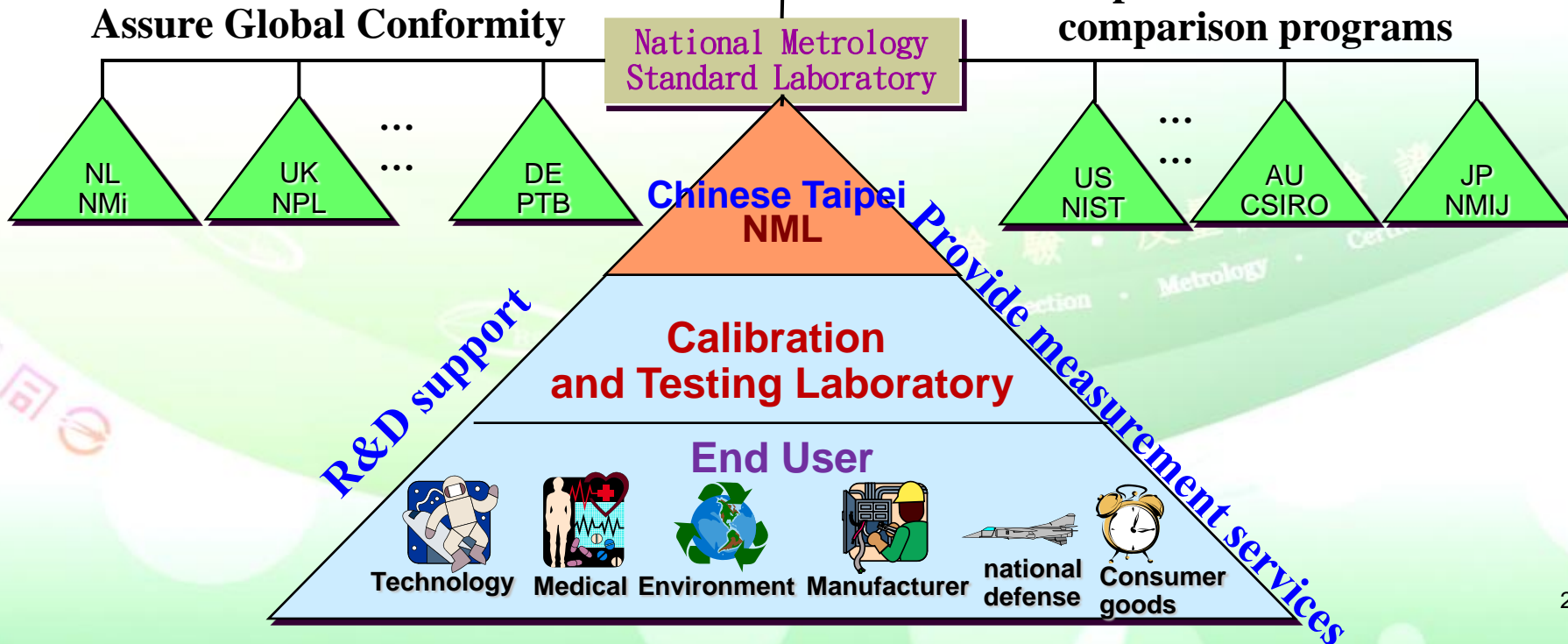


Chinese Taipei became associate member in 2002.6



- Providing measurement services to government agencies and private sector
- Supporting the development of science and technology
- To assure National metrology standard traceability and global conformity


Participation of International comparison programs





Scientific Metrology

National Measurement Laboratory Establishments

→



15 fields
Includes mass, dimensional, temperature, and etc.

National Measurement Laboratory (ITRI)



→




Ionizing radiation field




National Radiation Standard Laboratory (INER)

→



Time and frequency field



National Time and Frequency Standard Laboratory (CHTTL)

Responsible for establishment, maintenance, & dissemination of national measurement standard

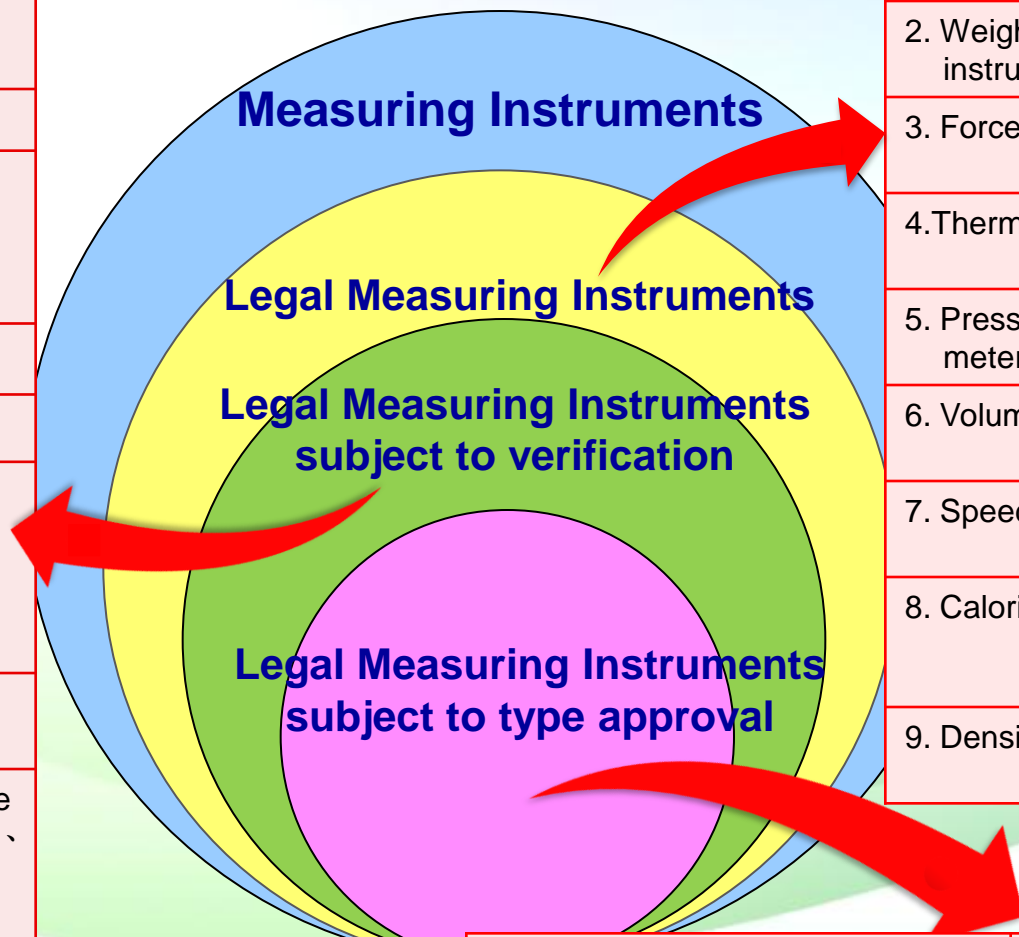
Entrust Organization to Operate

Standards • Inspection

Legal Metrology

The Scope of Legal Measuring Instruments

1. Taximeters
2. Non-Invasive mechanical sphygmomanometers
3. Weighing instruments
4. Volumeters: Liquid volumetric meters, Diaphragm gas meters, Water meters, Oil meters, LPG flow meters
5. Electricity meters
6. Electrical thermometers
7. Speedometers (for law enforcement): Radar speedometers, Laser speedometers, Inductive loop speedometers
8. Sound level meters (for law enforcement)
9. Concentration meters: Breathe alcohol testers and analyzers, Rice grain moisture meters, Field corn moisture meters, Vehicles exhaust emissions analyzers
10. Illuminance meters (for official inspection)

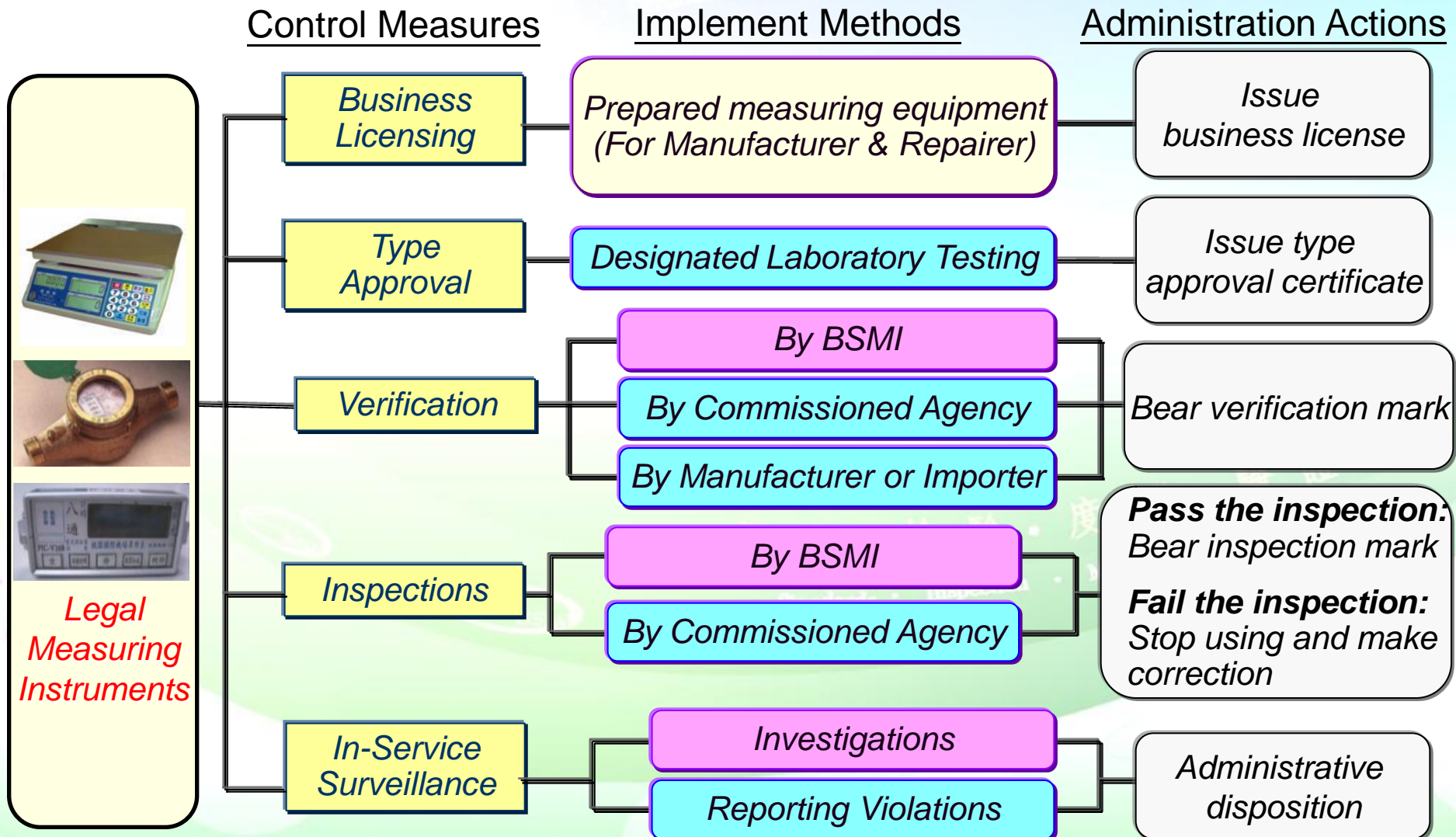


1. Dimensional instruments	10. Concentration meters
2. Weighing instruments	11. Specific gravity meters
3. Force meters	12. Watt-hour meters
4. Thermometers	13. Surface area meters
5. Pressure meters	14. Lux meters
6. Volumeters	15. Light meters
7. Speed meters	16. Sound level meters
8. Calorimeters	17. Deniermeters
9. Density meters	18. Others

1. Taximeters	3. Water meters
2. Price-computing Weighing instruments	4. Diaphragm gas meters

Legal Metrology

The Scope of Legal Measuring Instruments Management



驗 證
Certification

THANK YOU FOR YOUR ATTENTATION !

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