



**TRINIDAD AND TOBAGO
BUREAU OF STANDARDS**

**TTBS Standards
Development Process**

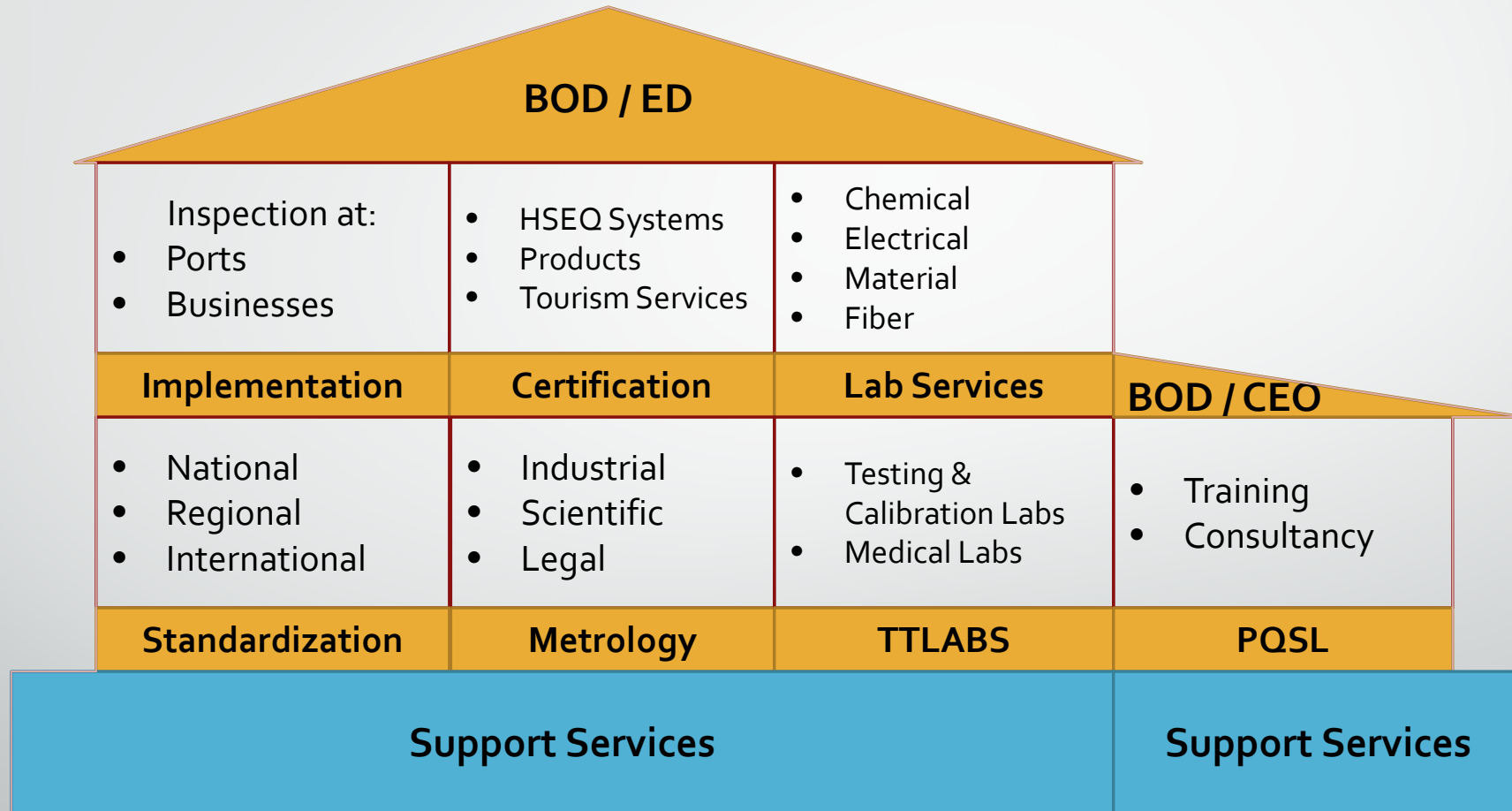
Vision

To be the essential provider of national quality solutions leading to a standards conscious society that is globally competitive

Strategic Objectives

- Global Competitiveness
- Standards Conscious Society
- Sustainability

Structure of TTBS



Legislation

Standards Act

No. 18 of 1997

Metrology Act

No. 18 of 2004

National Quality
Policy

Roles and Responsibilities

- National Standards Body – standards development
- National Quality Certifying Body – system and product certification
- National Laboratory Accreditation Body
- National Measurement Institute

Standards Related Mandate

- Standards specify technical requirements for a product or service.
- National Standards are developed for:
 - The improvement of goods produced or used in Trinidad and Tobago
 - To ensure industrial efficiency and development
 - To promote public and industrial welfare, health and safety
 - The protection of the environment

What is a Standard?

- Technical specifications or other precise criteria to be used constantly as rules, guidelines or definitions of characteristics, to ensure materials, products, processes and services are fit for their intended purposes.
- Standards:
 - Promote economic growth
 - Protect the health and safety of consumers/workers.
 - Preserve the environment
 - Improve the quality of goods/services



Types of National Standards

- **Voluntary**

- Standards generally represent minimum levels of acceptability
- Adopted at the discretion of the business

- **Compulsory**

- Standards impact directly on the health and safety of the user or the environment.
- Enforceable by Law.

Benefits

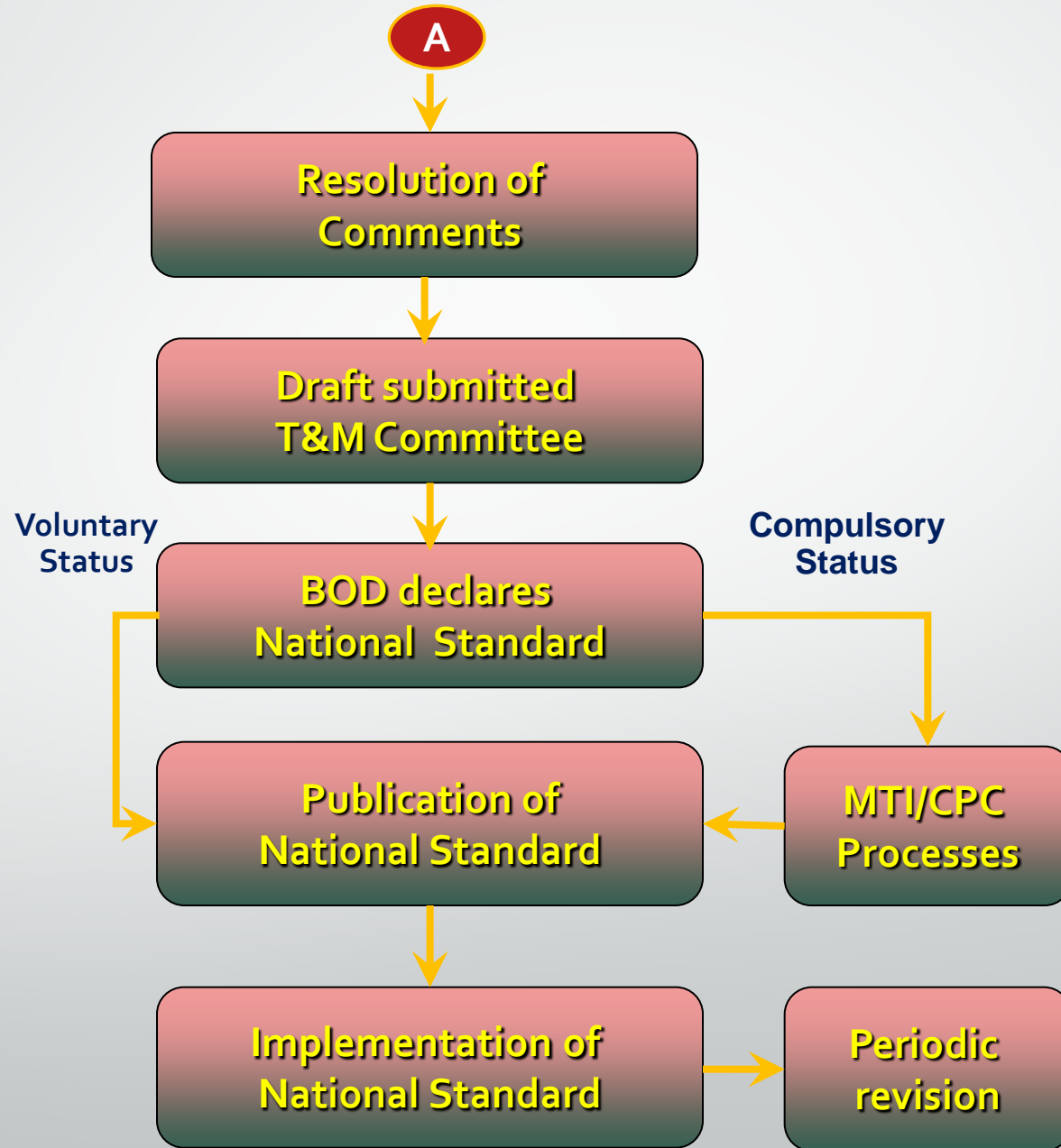
- Reduce part variety
- Improve compatibility
- Facilitate Interchangeability
- Ensure/Improve health and safety compliance
- Improve overall quality
- Ensure environmental protection
- Consumer protection
- Innovation and trade

Standards and Regulations



Figure 2 – Common characteristics of good policy-making practice and good standardization practice

Development of National Standards



Areas of Standards Development

National Technical Committee (NTC)

Electrical Engineering

Chemical

Construction codes

Construction products

Consumer products

Environmental

Agriculture

Tourism

National Technical Committee (NTC)

Health and safety

Mechanical equipment and Packaging

Motor vehicles

Petroleum and Energy

Quality

Telecommunications

Textiles

Application of Standards

- **Compulsory standards - supporting the TTBS' regulatory mandate**
 - ✓ Inspection scheme
 - ✓ Product certification scheme

- **Voluntary standards – Market driven**
 - ✓ Demand from informed consumers
 - ✓ Differentiation from competition
 - ✓ Voluntary adoption /use by industry players
 - ✓ Voluntary adoption/use plus 3rd party certification
 - ✓ Incorporation into the regulatory scheme/mechanism of other state agencies
 - ✓ Specified in Codes and Technical Regulations (by reference)

Application of Standards

○ Voluntary standards

- ✓ Can be referenced in National Policies
- ✓ Can be referenced in contracts, tender documents, specifications and procurement policies etc
- ✓ Can be used in testing activities
- ✓ Can be used by certification bodies
 - Management systems
 - Product certification
- ✓ Can be used by Accreditation Bodies



Questions?