

The Mandate of TTBS

- The mandate of TTBS is to **develop**, **promote** and **enforce** standards for:
 - Improvement of quality and performance of locally produced and/or imported goods
 - Ensuring industrial efficiency and development
 - Promoting public welfare, health and safety
 - The protection of the environment



Services of TTBS

- Standards Development
- Inspection & Monitoring Services
- Laboratory Testing Services
- Metrology and Calibration Services
- Certification Services
- Laboratory Accreditation
- Information Services
- Training (PQSL)
- Legal Metrology Services



WHAT IS A STANDARD?

- “A Standard is a document established by consensus and approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for activities of their results aimed at the achievement of the optimum degree of order in a given context.” *ISO/IEC Guide 2*



Standards Development

- TTBS develops national standards
- TTBS adopts and adapts international standards
- Standards development committees:
 - There are 21 National Technical Committees, and
 - 7 ISO mirror committees



INSPECTION AND MONITORING SERVICES

- Inspects and monitors locally produced goods and imported goods which are covered by national compulsory standards.



INSPECTION AND MONITORING

Items subjected to inspection are:

- ❖ Pneumatic Passenger Tyres (new and used)
- ❖ Garments, Textiles, Footwear
- ❖ Household Electrical Appliances
- ❖ Pre- Packaged Goods



CERTIFICATION SERVICES

❖ ISO 9001 Quality Management System



❖ ISO 14001 Environmental Management System



❖ Product Certification



❖ Trinidad & Tobago Tourism Industry Certification (TTTIC)



❖ Quality and Environmental Management Systems Certification for SME's

❖ Green Globe 21



Laboratory Testing Services

- TTBS Laboratory Services Division comprises four laboratories:
 - **Chemical Testing Laboratory**
 - **Electrical Products Laboratory**
 - **Fibre Products Laboratory**
 - **Materials Testing Laboratory**
- Supports the Implementation and Monitoring Services and the work of industry



Laboratory Testing Services

- ❖ The Chemical Laboratory tests items such as:
 - Hand Dishwashing Detergent
 - Bleaches
 - Safety Matches
 - Water



Laboratory Testing Services

- ❖ The Electrical Laboratory tests items such as:
 - 12 V Lead Acid Starter Batteries
 - Tungsten Filament Lamps
 - Electrical Cables
 - Electrical Appliances



Laboratory Testing Services

The Fibre Products Laboratory tests items such as:

- **Yarns and Fabrics**
- **Paper (Toilet, Facial)**
- **Leather and other Footwear Materials**

Also provides consultancy and advisory services and garment registration for manufacturers.



Laboratory Testing Services

The Materials Laboratory tests items such as:

- **Tensile Testing**
- **Impact Testing – Charpy V Notch**
- **Paint Testing**



METROLOGY SERVICES

• **Metrology** is defined as: *The Science of Measurement*; it includes all the aspects both theoretical and practical with reference to measurements.

Metrology is divided into three basic areas:

Scientific Metrology

The realization, definition and maintenance of the units and traceability.

Industrial Metrology

Industrial measurements, calibration and all other aspects that ensures the integrity of measurements made.

Legal Metrology

The entirety of legislative, administrative and technical procedures established by the state to specify and ensure in a regulated and contractual manner, the appropriate quality and credibility of measurement related to official controls, trade, health, safety and the environment



Metrology and Calibration Services

- Measurement System Assistance
- Calibration and Verification

Calibrations services are performed in the areas of

- ❖ Mass (weight and weighing devices)
- ❖ Length
- ❖ Temperature
- ❖ Volume
- ❖ Density
- ❖ Pressure
- ❖ Time



Legal Metrology Services

- Verification of Commercial Measuring Devices
- Registration of dealers, manufacturers and other service providers of measuring devices
- Monitoring of Pre-packaged Goods
- Establish the use of SI units nationally
- Develop Legal Metrology Inspectorate
- Encourage and improve the quality of measurements of national importance
- Develop international traceability through new Measurement Standards



INFORMATION CENTRE SERVICES

The Information Centre supports TTBS and Industry through:

- Procurement of Publications
- Standards Updating Service
- The operations of the WTO/TBT Enquiry Point/
Export Alert
- Reference Facility



What is Export Alert!

- Web-based application
- System to disseminate WTO notifications to a country's stakeholders
- The only alert service of its kind, Export Alert helps manufacturers and exporters keep abreast of regulatory changes in global markets *before* they become laws



Laboratory Accreditation Services

“Accreditation gives formal recognition of an organization’s technical competency to perform specific tests or calibrations”

- Provides accreditation to laboratories to international standards.
- Manages The Laboratory Quality Improvement Programme (LABQUIP) –
 - LABQUIP is a three step continual improvement program established to facilitate national recognition of competence for testing & calibration laboratories.



Laboratory Accreditation and Trade

- Mutual Recognition Arrangements (MRA's) between accreditation bodies enhance the acceptance of test & calibration data among parties – including those in different countries
- **Reduces** or **eliminates** the need for **re-testing** of products or instruments



Independent Recognition

- **Accreditation** provides formal and independent recognition to **competent assessment bodies** (lab, certification body, inspection body) **conformity**
- Providing a tool for customers to identify reliable testing, measurement and calibration services.



Ultimate Goal

To achieve the objectives of:

- TESTED ONCE, ACCEPTED EVERYWHERE
- RIGHT THE FIRST TIME



Premier Quality Services Ltd

The Training and Consultancy Subsidiary of TTBS

- Provides training in the development and implementation of Management Systems (ISO 9001, 14001, 17025, 22000 and OHSAS 18001), and auditing of these systems
- Develops and delivers specialized programmes
- Business Planning and Business Process Re-engineering.

