

WHY IS METROLOGY IMPORTANT ?

Measurements have been carried out for as long as civilization has existed. Metrology is basic to the economic and social development of a country.

BENEFITS OF METROLOGY TO STAKEHOLDERS

- Protect consumers from receiving inaccurate quantities of goods purchased and measure accurately services provided (Electricity or Water Meter etc.). Also protect sellers from delivering excess amounts of goods due to the use of inaccurate measuring instruments.
- Establish and maintain credibility which is traceable to international standards.
- Ensure equity in trade, accurate and reliable measurements for health, safety and the environment.
- Ultimately guarantees product compliance with measurement specifications.
- Provide traceability in measurement thereby facilitating international trade.



What Is Metrology?



Metrology is the science of weights and measures and is one of the four foundation pillars of quality infrastructure services

The Bahamas Bureau of Standards and Quality (BBSQ) provides.



AREAS OF METROLOGY

There are three (3) main areas of Metrology, Legal, Scientific and Industrial.

LM

LEGAL METROLOGY

Addresses the regulatory requirements of measurements and measuring instruments for the protection of health, public safety, the environment, enabling taxation, protection of consumers and fair trade.

SM

SCIENTIFIC METROLOGY

Also known as Fundamental Metrology, deals with the organization and development of measurement standards (SI Units) and with their maintenance.

IM

INDUSTRIAL METROLOGY

Concerns the application of measurement science to manufacturing and other processes and their use in society, ensuring the suitability of measurement instruments, their calibrations and quality control of measurements.

METROLOGY AND THE BBSQ

The Bahamas Bureau of Standards and Quality is empowered under the Weights and Measures Act 2006 to implement systems and measures to support and promote the further growth, expansion and sustainability of the Bahamian economy.

We are committed to providing the full spectrum of metrology services. Our primary focus is to ensure the enhancement of The Bahamas' measurement capacities is traceable to the International System of Measurement. In the first phase the BBSQ will provide services in Legal Metrology.

The Legal Metrology Inspectorate is responsible for ensuring "Equity In trade". This principle protects the buyer's interest and safeguards the integrity of the seller. Inspectors carry out verification activities to ensure that all weighing and measuring devices are approved for trade and properly maintained.

- Legal Metrology Services offered by BBSQ
- Verification of Commercial Scales
- Verification of Fuel Pumps
- Product Inspection
- Calibration Services
- Investigation of Consumer Complaints



IMAGINE LIFE WITHOUT METROLOGY

- Filling up your vehicle at the gas station and not knowing if you are getting the amount of gas that you are being charged for...
- Buying produce, meats or seafood in the supermarket and being unsure if the scale is measuring accurately...
- Purchasing a cylinder of LP gas and wondering if you are receiving a full cylinder...
- Shipping for export and being uncertain whether your shipment will weigh the same when it reaches the importing country...
- Administering a lifesaving medication and being unsure of the dosage...