



**Forum: Metrology – Trade Facilitator  
Offer of support by:**



**United Nations Industrial Development Organization  
(UNIDO)**

**What can be offered:**

**UNIDO's contribution towards Trade Capacity Building**

**(a) Strengthening the regulatory framework for conformity**

A principal precondition for compliance with the TBT/SPS requirements is to have the necessary regulatory framework in place. This service therefore provides assistance to Governments with the development and effective application of a regulatory regime for standards, metrology, testing, accreditation and quality, and support for the development of an operational framework for the implementation of these regulations.

**(b) Strengthening the operational components of the conformity infrastructure**

The full implementation of the TBT/SPS agreements demands a functional standards setting organization, supported by calibration and testing capabilities. To assist developing countries and countries with economies in transition meet these requirements, this service module provides the following specific services:

**Standards:**

- The establishment or strengthening of existing standardization bodies through the provision of training, setting up of sub-sectoral technical committees, and pilot standards development exercises.
- Promotion of the adoption of standards at national and regional level, and assistance for the country's participation in regional and international standards-setting forums and networks.
- Assistance for the development of product conformity mark schemes.
- Pilot projects for capacity building related to both product standards and systems standards such as ISO 9000, ISO 14000 and HACCP.

**Metrology (Measurement):**

- The establishment or strengthening of laboratory capacities for industrial and legal metrology capabilities covering measurement and calibration requirements in accordance with the manufacturing and export needs of the country. This implies assisting in the physical set-up and start-up of laboratories, including upgrading measurement equipment, training technicians, providing assistance in networking, participating in inter laboratory comparisons, as well as providing support for accreditation.
- Implementation of the UNIDO software "Measurement and Control-Chart Toolkit" (MCCT) to meet the requirements related to metrological control of the ISO 9000:2000 standards.

**Testing Laboratories:**

- The establishment or strengthening of laboratory capacities for material and product testing, primarily for microbiological and chemical analysis, and secondarily for specialist laboratories for industrial sub-sectors with export potential.
- Assistance in specifying testing and equipment requirements, technical support for the harmonization of testing procedures, training of staff including assistance in networking, participating in inter-laboratory comparisons, as well as providing support for accreditation.

**Accreditation:**

- The establishment or strengthening of accreditation bodies for the accreditation of system certifiers and laboratories.
- Assistance to national accreditation bodies to obtain international recognition from the International Accreditation Forum (IAF) and the International Laboratory Accreditation Cooperation (ILAC) through pre-peer evaluation mechanisms to achieve the signing of multilateral recognition agreements so that the national accreditation has global acceptance and can facilitate market access.

**What are the prerequisites and conditions:**

Technical cooperation services are designed and implemented to comply with UNIDO quality criteria, based on the following principles:

- **Relevance.** Services will meet mutually identified development constraints that UNIDO clients have in meeting the developmental requirements of their target groups;
- **Demand-orientation.** Programmes are based on comprehensive needs assessment and the full involvement of recipients in the programming exercise;
- **Effectiveness / efficiency.** UNIDO and its clients have analyzed the least-cost approach to fully solve their development constraints;
- **Sustainability / impact.** The design and implementation of services ensure sustained benefits for the client and significant improvements at the level of the target group.

**Whom to address:**

**During the Forum:**

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