



TOGETHER
for a sustainable future

OCCASION

This publication has been made available to the public on the occasion of the 50th anniversary of the United Nations Industrial Development Organisation.



TOGETHER
for a sustainable future

DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

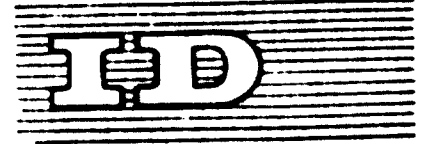
CONTACT

Please contact publications@unido.org for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org



D02729



United Nations Industrial Development Organization

Distr.
LIMITED

ID/WG.98/1
30 March 1971

ORIGINAL: ENGLISH

Training Workshop on Metrology

Tokyo, Japan, 12 - 23 October 1971

PROVISIONAL AGENDA

1. Opening Addresses
2. Election of Officers
3. Adoption of the Agenda and the Work Programme
4. Role of Metrology in Industrial Development
5. Relationship between Quality Control, Standardization and Metrology
6. Concepts of Metrology Services
7. Legal Metrology and Control of Weights and Measures
8. Organization and Scope of Activities of National Metrology Services
9. National Standards (étalons). Methods of Measuring
10. Measurement and Measuring Instruments, Calibration and Maintenance
11. Introduction and Application of Metric System and SI Units
12. Training in Metrology
13. Co-ordination and Co-operation at the Regional and International Level
14. Discussion of the Report and adoption of Recommendations.

**ID**

United Nations Industrial Development Organization

Distr.
LIMITED

ID/WG.98/1/Add.1
30 March 1971

ORIGINAL: ENGLISH

Training Workshop on Metrology
Tokyo, Japan, 12 - 23 October 1971

PROVISIONAL ANNOTATED AGENDA

Item 4 - Role of Metrology in Industrial Development

- Technological progress and metrology
- Scientific metrology - as a basis for establishment and operation of National Metrology Services (NMS). Relationship between scientific and applied metrology.
- Role of applied metrology in industry and commerce.

Item 5 - Relationship between Quality Control, Standardization and Metrology

- Role of quality control system in assisting to solve the problems of national development
- Standardization and metrology - basis for establishing reliable quality control system

Item 6 - Concepts of Metrology Services

- Legal metrology - judicial basis for setting-up and operating NMS
- National standards (étalons) and high-level accuracy measurement
- National and company metrological services
- Applied metrology and small-scale industry
- Terminology
- Information in the field of metrology

Item 7 - Legal Metrology and Control of Weights and Measures

- Legal basis of state test and calibration of weights, measures and measuring instruments
- Measures to be taken for enacting appropriate metrology legislation
- International agreements in metrology

Item 8 - Organization and Scope of Activities of National Metrology Services

- The place of NMS in the system of governmental institutions
- Structure and functions of NMS
- Planning of NMS development as an integrated part of national development planning
- Financial and physical requirements for establishing and operating NMS
- Types of metrological laboratories and necessary equipment and facilities
- NMS and quality marking system

Item 9 - National Standards (étalons). Methods of Measuring

- Problems of establishment and maintenance of national standards system
- Methods and means of high accuracy measuring
- Standardization of methods and means of testing and calibration of measuring instruments and devices

Item 10- Measurement and Measuring Instruments, Calibration and Maintenance

- Testing, calibration of newly-built and imported measuring instruments and devices
- Periodical testing and calibration of measuring instruments
- Repair and maintenance of measuring instruments
- Organizing the documentation pertaining to testing, checking and calibration of measuring instruments and devices

Item 11- Introductio and Application of Metric System and SI Units

- Need for unification of systems of units for the improvement of international co-operation and trade
- Systems of units, their advantages and drawbacks
- Expenditures for changing unit systems
- Advantages of the SI Units

Item 12- Training in Metrology

- Need for the organization of training courses at various levels
- Organizational, financial and managerial aspects of the setting-up of training programmes

Item 13- Co-ordination and Co-operation at the Regional and International Level

- Co-ordination of national programmes for development of metrology services on regional and sub-regional basis
- Co-operation between NMS and international organizations dealing with metrology - International Bureau of Weights and Measures; International Organization of Legal Metrology; International Organization for Standardization and others

Item 14- Discussion of the Report and adoption of Recommendations





14. 3. 72