

**DECLARATION ON THE QUALITY MANAGEMENT SYSTEM,  
THE FUNCTIONS OF INRiM AS A PRIMARY METROLOGY INSTITUTE IN ITALY,  
AND THE TRACEABILITY OF THE SI UNITS DISSEMINATION ACTIVITIES**

The National Institute for Metrological Research (INRiM) is a public research body established by the Legislative Decree no. 38 of 21 January 2004. Therefore, it has a legal personality under public law. Also, it has organisational autonomy according to art. 9 and 33 of the Italian Constitution and according to law no. 168 of 9 May 1989, art. 2 of the founding decree and art. 1 of the statute (based on Legislative Decree no. 213 of 31/12/2009) in force since 1 May 2011.

INRiM carries out and promotes research in the field of metrology and develops the most advanced standards and measurement methods and related technologies, through which it fulfils the functions of a **National Metrological Institute (NMI)** according to **law no. 273 of 11 August 1991**. INRiM is a signatory of **the Mutual Recognition Arrangement drawn up by the International Committee of Weights and Measures (CIPM MRA)**. This arrangement concerns the mutual recognition of the national measurement standards and the calibration and measurement certificates issued by the National Metrology Institutes of the countries signing the arrangement.



The INRiM calibration and measurement capabilities included in the CIPM MRA are published on the KCDB website (<https://www.bipm.org/kcdb/>), and the issued calibration and measurement certificates carry the CIPM MRA logo on the first page and the MRA note.

Under the CIPM MRA arrangement, all participating Institutes must meet the requirements of ISO / IEC 17025 for calibration and measurement services and ISO 17034 for certified reference materials. In addition, each Regional Metrological Organization (RMO, EURAMET for Europe) reviews and approves the quality management system of its member institutes.

INRiM is a member of the EURAMET Technical Committee for Quality (TC-Q). Annually, INRiM reports to the TC-Q on the status of its management system, for which it is evaluated. In addition, INRiM is submitted to peer reviews conducted by international experts working in National Metrology Institutes and participates in and coordinates interlaboratory measurement comparisons (key and supplementary) internationally promoted in all metrological areas of competence (<https://www.bipm.org/kcdb/>).

#### **Traceability of measurements**

In compliance with its national and international role, INRiM provides Italy with a broad spectrum of calibration and measurement services in several areas of metrology that guarantee the metrological traceability according to the criteria set out in the ILAC P10:2020 ILAC Policy on the Traceability of Measurement Results, par. 2 p1) and 3a.

For certificates on calibration and measurement activities not included in the CIPM MRA, INRiM provides the evidence referred to in the document ILAC P10: 2020, Annex A.

INRiM is recognized as a testing laboratory by the Association for the Certification of Electrical Equipment (ACAE, member of the LOVAG - Low Voltage Agreement Group) and is authorised to issue LOVAG ACAE test reports.

Based on customer requirements and its own commitments, INRiM organises calibration interlaboratory comparisons for the quantities and fields in which it operates, to support the accreditation process of calibration laboratories.

#### **Quality Management System**

The INRiM Quality Management System complies with ISO/IEC 17025:2017 standards for calibration, measurement and testing services, ISO 17034:2016, for the production of certified reference materials, so that in general it also operates in accordance with the principles of ISO 9001:2015.

The INRiM Quality Management System, furthermore, works in compliance with ISO/IEC 17043:2023 for the interlaboratory comparison provider.

Turin, 18 October 2024

The President

(Prof. Diederik Sybolt Wiersma)