



## National Metrology Program

**Duration:** 01 January 2022 to 31 Dec 2023

**Host Institution:** Industrial Technology Development Institute (DOST-ITDI)

### Project Description

For the Philippines, metrology is led by and practically centered at the National Metrology Laboratory (NML) of the Industrial Technology Development Institute. The NML has been granted ISO 17025:2005 accreditation by DAkkS in Braunschweig, Germany in 2012. This has been a great milestone for NML to be recognized worldwide for metrology. However, it needs to be supported by the expansion of Calibration and Measurement Capabilities or CMCs. These CMCs have been vouched for competence by all the Regional Metrology Groups worldwide. Under a CMC, the measurement or calibration should be (a) performed according to a documented procedure and have an established uncertainty budget under the management system of the NMI or the calibration laboratory; (b) performed on a regular basis (including on demand or scheduled or convenience at specific times in the year); and (c) available to all clients. At present, however, the NML of the Philippines has CMC in the field of mass only. Working towards achieving greater number of metrology areas covered by the CMC will show that the supply of services is more diversified and that the Philippine metrology system is at a more advanced stage of development.

### Expertise Needed

- Development of reference materials using higher order methods for organic and inorganic chemistry and microbiology

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