



Republic of the Philippines  
HOUSE OF REPRESENTATIVES  
Quezon City

**EIGHTEENTH CONGRESS**  
First Regular Session

**HOUSE BILL NO. 3053**

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**Introduced by REPRESENTATIVE LEONARDO L. BABASA, JR.**

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**EXPLANATORY NOTE**

This proposed legislation builds on Republic Act No. 9236, also known as "National Metrology Act of 2003".


In consonance with the objectives set forth under RA 9236, the State shall provide support to Research and Development (R&D) in Metrology covering the environment and climate change, public health and safety, transportation, information and communications technology (ICT), Biotechnology/Genomics, Material Science, Nanotechnology, Photonics, Metrology in Chemistry, Space Technology applications, and other emerging and enabling technologies.

This bill endeavors to facilitate progress in the national economy by encouraging the standardization and modernization of units and standards of measurements to adapt the needs of times. It seeks to encourage the adoption of international best practices in measurements in response to future developments and requirements.

This bill supports the harmonization of national metrological standards with international standards, mutual recognition arrangements, and statistical controls as envisioned in the ASEAN economic integration, the World Trade Organization (WTO), international agreements, and covenants resulting to globally competitive and quality product and services that conforms to the national standards. In addition, this bill will accord greater consumer protection, transparency, and confidence in measurements.

The early passage of this important piece of legislation will further boost global competitiveness of Philippine products and services.

In view of the above, the immediate passage of this bill is earnestly sought.

  
**LEONARDO L. BABASA, JR.**  
2<sup>nd</sup> District, Zamboanga del Sur

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12 Introduced by REPRESENTATIVE LEONARDO L. BABASA, JR.  
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15 AN ACT STRENGTHENING THE NATIONAL MEASUREMENT  
16 INFRASTRUCTURE SYSTEM (NMIS) AMENDING RA 9236 ALSO KNOWN AS  
17 "THE NATIONAL METROLOGY ACT OF 2003," AND FOR OTHER PURPOSES  
18

19 Be it enacted by the Senate and House of Representatives of the Philippines in Congress  
20 assembled:

21  
22  
23 SECTION 1. Title. – This Act shall be known and cited as the "Enhanced National  
24 Measurement Infrastructure System (NMIS) Act of 2016";  
25

26 SECTION 2. Declaration of Policies. -The State shall support the harmonization of  
27 national metrological standards with international standards, mutual recognition  
28 arrangements and statistical controls as envisioned in the ASEAN Economic Integration,  
29 World Trade Organization (WTO), and international agreements and covenants resulting to  
30 globally competitive and quality products and services.

31 In addition to Section 2 of R.A. 9236, the State shall provide support to research and  
32 development in metrology covering environment and climate change, public health and  
33 safety, transportation, information and communication, Biotechnology/Genomics, Material  
34 Science, Nanotechnology, Photonics, Metrology in Chemistry, Space Technology applications  
35 and other emerging and enabling technologies; encourage the adoption of international best  
36 practices in measurement and quality infrastructures for maximum national benefit; and  
37 accord greater consumer protection, transparency and confidence in measurements.

38 SECTION 3. Objectives. – This law builds on Republic Act No 9236 also known as the  
39 "National Metrology Act of 2003." Based on the policies enunciated in RA 9236 and this Act,  
40 the following objectives shall be pursued:  
41

- 42 a. Establish the National Metrology Institute (NMI) under the Department of Science  
43 and Technology  
44 b. Provide capacity building programs through competency training to strengthen the  
45 local metrology authorities at the local level;  
46 c. Foster a metrology culture that will instil a keen appreciation of the importance of  
47 metrology.  
48

49 SECTION 4. Scope. -This law shall have a national application and shall cover all  
50 agencies/institutions, private entities performing metrological activities and processes.

51 SECTION 5. Definition of Terms - Section 3 of RA 9236 is hereby expanded to include  
52 the following:



- 1 a. Accreditation – third party attestation related to a conformity assessment body  
2 conveying formal demonstration of its competence to carry out specific conformity  
3 assessment tasks  
4

5 Note: The national accreditation system, in general, is a voluntary system which  
6 establishes the competence and impartiality of

- 7     o calibration laboratories to perform traceable calibrations and measurements,  
8     o testing laboratories,  
9     o inspection bodies, and  
10     o Certification bodies which perform product certification, quality systems  
11 certification or certification of personnel.  
12     o Not all countries have a national accreditation system. If it exists, it should be  
13 recognized by the appropriate authorities.  
14
- 15 b. Conformity Assessment – demonstration that specified requirements relating to a  
16 product, process, system, person, or body are fulfilled.  
17 c. DOST Regional Offices—serve as focal points for the planning and implementation of  
18 S&T programs and projects in their respective regions in consonance with the  
19 national S&T plan. They provide local S&T services to the local populace and  
20 coordinate with other government agencies and other stakeholders on S&T matters.  
21 d. DOST Research and Development Institutes (RDIs) – DOST regular agencies  
22 concerned with basic and applied researches on various S&T fields.  
23 e. DOST Science and Technology Service Institutes – DOST regular agencies providing  
24 science and technology-related services.  
25 f. Emerging or enabling technologies – include Biotechnology / Genomics, Material  
26 Science, Nanotechnology, Photonics, Metrology in Chemistry, Space Technology  
27 applications.  
28 g. Local Metrology Authority (LMA) –the office or person responsible in the  
29 implementation of legal metrological controls at the local level (i.e. LGUs).  
30 h. Mutual Acceptance Arrangement (MAA) –is an arrangement among conformity  
31 certificate issuing authorities for providing confidence in test and examination results  
32 through a formal and mandatory peer evaluation process.  
33 i. Mutual Recognition Arrangement (MRA) - is an arrangement among countries  
34 designed to facilitate the freer movement and employment of qualified and certified  
35 personnel between countries.  
36 j. Pre-Packaged Products- any commodity that is enclosed in a container or wrapped in  
37 any manner, and for which its quantity has been determined and indicated on its  
38 label prior to being offer for sale. The quantity of the product contained cannot be  
39 changed without the pre-package being opened or doing a perceptible modification.  
40 k. Stakeholders – as used in this Act shall refer to all individuals and entities involved in  
41 any metrological activities and processes.  
42 l. Type or Pattern Approval on Measuring Instruments as defined in R.A. 9236 - shall  
43 refer toconformity assessment procedure on one or more specimens of an identified  
44 type (pattern) of measuring instruments which results in an evaluation report and/or  
45 an evaluation certificate.  
46

47 **SECTION 6. Organizational Structure.** - For the purpose of strengthening the NMIS  
48 and to attain harmonization of metrology standards consistent with the ASEAN and other  
49 recognized international standards, the National Metrology Institute (NMI) is hereby  
50 created. The NMI shall be headed by an Executive Director, and under the policy, technical,  
51 administrative supervision and control of the Department of Science and Technology  
52 (DOST). The existing NMB shall have oversight function over the NMI.  
53

54 The NMI, in coordination with the Department of Budget and Management and the Civil  
55 Service Commission, shall determine the appropriate administrative support complement  
56 necessary for the effective and efficient operations of the Institute.  
57



**SECTION 7. Functions of the National Metrology Institute (NMI).** - The NMI shall fulfill the following functions:

- a. Establish and maintain the national physical standards for basic and derived quantities;
- b. Define the requirements for the appointment of private bodies to perform Legal Metrology services;
- c. Harmonize qualifications of stakeholders for licensing of verifiers;
- d. Adopt the Mutual Recognition Arrangements (MRA) ;
- e. Broaden Type or Pattern Approval to allow acceptance of Mutual Acceptance Arrangements (MAA);
- f. Formulate mechanisms for initial statistical validation of utility meters from manufacturers and subsequent statistical in-service inspection of utility meters;
- g. Adapt OIML Recommendations to legal metrology regulations as well as alignment with international traceability and conformity standards;
- h. Provide administrative support to the National Metrology Board and set up proper coordination, reporting and feedback to the NMB regularly.
- i. Establish cooperation or linkages on Metrology at the national and international levels; and
- j. Ensure the effective and efficient operations of the NMI in carrying out the above functions and responsibilities.

**SECTION 8. Strengthening the National Metrology Board**—The National Metrology Board under Section 5 of RA 9236, shall be strengthened to include the Secretary/Chairman or the duly authorized representative of the following agencies/offices:

- Department of Energy (DOE)
- Department of Public Works and Highways (DPWH)
- Department of National Defense (DND)
- Philippine Information Agency (PIA); and
- Committees on Science and Technology of the Senate and House of Representatives

The third paragraph of Section of R.A. 9236 is hereby amended as follows:

The NIMB Secretariat including its plantilla positions is hereby transferred from ITDI to the Office of the DOST Secretary.

**SECTION 9. Functions, Duties and Responsibilities of the Board.** Section 6 of RA 9236 is hereby amended to include the following:

- a. To ensure the execution of the upkeep and conservation of national primary and secondary standards in conformity with the Board-Authorized Units; To guarantee the use in the country of a uniform system of units and measurement standards of physical and chemical quantities;
- b. To make sure that the necessary guidelines are issued and enforced on such areas of metrology but not limited to utilization of measuring equipment and devices, type approval on measuring equipment, verification, calibration, use of control marls and other metrological controls on measurement standards and measuring equipment;
- c. To warrant that the accuracy and application of quantities and similar metrological requirement are met in all commercial, economic, scientific, technical and similar endeavours;
- d. To approve rates for the metrological work and similar calibration services rendered by the NMI, DOST Regional Metrology Laboratories and other government metrology laboratories;
- e. To ensure that type approval of measuring instruments are carried out by NMI and other competent laboratories;
- f. To ensure that persons or business entities regularly engaged in importing, manufacturing, repairing, selling or hiring certain measuring equipment comply with the provisions of this Act; and



- g. To perform such other functions, duties and responsibilities as may be necessary to implement this Act.

**SECTION 10. - The Role of the Department of Trade and Industry (DTI) -** Pursuant to the Chapter II, Art. 61-65 of R.A. 7394 also known as the Consumer Act of the Philippines, and to ensure consumer protection and safety for inaccurate and false measurements of consumers products, goods and services, the DTI, through their regional and provincial offices shall coordinate and monitor the implementation of the national metrology policy at the local level.

The DTI shall also conduct surveillance, inspections and verifications on the sale of pre-packaged products.

**SECTION 11. The Role of the Local Metrology Authority.** - Pursuant to Section 148 of Book II of the Local Government Code or R.A. 7160 and Chapter II, Art. 61-65 of R.A. 7394, each LGU through their Treasurer's Office shall be tasked to perform the following functions:

- a. Implement the national metrology policy at the local level;
- b. Enforce the legal metrology regulations at the local level;
- c. Set-up a Weights and Measures Office;
- d. Conduct registration of measuring instruments for commercial applications; and
- e. Issue certification for measuring instruments that are verified to be correct and ready for commercial applications.

The DILG shall ensure that the LGUs shall implement the provisions of this Act.

**SECTION 12. Labelling, Verification of Quantity in Pre-Packaged Products -** Section 10 of RA 9236 is hereby amended to include non-conformity to pre-packaged products requirements.

Labelling requirements, procedures and regulations as defined and formulated in accordance with recognized International Metrology Standards such as, but not limited to, OIML R79, R87 and ASEAN Common Requirements on Pre-Packaged Products shall be formulated through the Implementing Rules and Regulations of this Act.

**SECTION 13. Market Surveillance of the Use of Measuring Instruments and Pre-Packaged Products.** - The appropriate government agencies or their accredited private laboratories shall undertake metrological surveillance for measuring instruments and pre-packaged products. For this purpose, measuring instruments and pre-packaged products intended to be placed on the market and/or put into service for the first time, shall be consistent with conformity assessment system requirements.

**SECTION 14. Laboratories and Procedures.** - SECTION 11 is hereby amended to include the following, NMI, LMAs, accredited laboratories, manufacturers and other entities accredited under the national accreditation body, as defined under Sections 13 and 14 of RA 9236.

**SECTION 15. Mutual Recognition Arrangement (MRA).** - The Philippines shall enter into international agreements recognizing the equivalence of the national measurement standards, and legal metrology systems and controls of countries that are signatories of the Global Mutual Recognition Arrangements such as those issued under the International Committee of Weights and Measures (CIPM MRA). Also, the Philippines shall participate in international legal metrology conformity assessment systems.

**SECTION 16. Accrediting Body** - Section 13 of RA 9236 is hereby amended to include the Department of Public Works and Highways (DPWH).

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2 **SECTION 17. Education and Public Information/Advocacy.** – A National Metrology  
3 Training Center attached to the NMI shall be established to undertake education and  
4 training on Metrology.

5  
6 In addition, the NMI, in collaboration with the Philippine Information Agency (PIA) and  
7 other concerned government agencies, shall conduct information, education, and advocacy  
8 programs to promote Metrology.

9 **SECTION 18. Penalties.** – The penalties provided under Section 17 of R.A. 9236 shall be  
10 subject to review every five years following the effectivity of this Act and amended  
11 accordingly.

12 **SECTION 19. Appropriations.** The second paragraph of Section 18, RA 9236 is hereby  
13 amended as follows:  
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15 All fees/ income generated from metrological services shall be used by the Board, NMI,  
16 DOST Research and Development Institutes (RDIs), Service Institutes and Regional Offices,  
17 and other government offices performing metrology activities, to augment its funds for their  
18 operation and other metrology-related functions and activities.  
19

20 **SECTION 20. Transitory Provisions.** – The National Metrology Laboratory Philippines  
21 (NML Phil), a division under ITDI responsible for establishing and maintaining the national  
22 physical standards for basic and derived quantities, is hereby transformed into the NMI.  
23 Thereafter, all powers, functions, duties, records, files and assets including plantilla positions  
24 of the NML shall be transferred to the NMI.  
25

26 There shall be no diminution of rank and salaries, allowances and benefits between  
27 transferred employees, new employees of NMI shall be entitled to the same allowances and  
28 benefits as transferred employees.  
29

30 The ITDI shall formulate a transitory implementation plan in its IRR, for phasing in/transfer  
31 of the NML Phil to the NMI created under this Act, including a schedule for the  
32 implementation and enforcement of the policies and regulation provided under this Act.  
33

34 **SECTION 21. Implementing Rules and Regulations (IRR).**– The DOST with other  
35 concerned government departments, agencies and representatives mentioned in Section 5  
36 hereof shall within ninety (90) days from the effectivity of this Act issue the necessary  
37 implementing rules and regulations of this Act.  
38

39 **SECTION 22. Separability Clause.** – If for any reason, any provision of this Act is  
40 declared unconstitutional, the other sections or provisions hereof which are not hereby  
41 affected shall continue to be in full force and effect.  
42

43 **SECTION 23. Repealing Clause.** – All laws, decrees, orders, rules and regulations or  
44 portions thereof inconsistent with this Act are hereby repealed or modified accordingly.  
45

46 **SECTION 24. Effectivity.** – This Act shall take effect fifteen (15) days after its complete  
47 publication in the Official Gazette or in at least two (2) newspapers of general circulation,  
48 whichever comes earlier.  
49

50 **APPROVED.**