

The International System of Units (SI) was established in 1960 by the 11th General Conference on Weights and Measures. It is the modern metric system of measurement used throughout the world. This Primer has been prepared by the National Metrology Laboratory to guide users on the proper use, writing of unit symbols and names, and expressing values of the SI quantities.

“Providing International Traceability to Measurements in the Country”



kilogram mass  
time  
thermodynamic temperature  
ampere electric current  
mole  
candela luminous intensity  
kelvin  
metre  
amount of substance  
second length

*Who we are*

The National Metrology Laboratory (NML) is the national metrology institute of the Philippines tasked by law to be responsible for maintaining the national measurement standards for physical quantities such as mass, volume, pressure, length, temperature, electricity, luminous intensity and time interval and their dissemination to Filipino users. The NML undertakes measurements to help protect lives, protect consumers, support companies in international trade and recognition, and assist the government in securing a better quality of life for the Filipino.

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# Primer on International System of Units (SI)

Republic Act No. 9236, also known as The National Metrology Act of 2003, states under Section 8. System of Units that *“The system of unit based on the International System of Units (SI) shall be mandatory throughout the country in regulated areas of application...”*

a division of



under the



A Concise Guide in Writing Unit Symbols and Names, and Expressing the Values of Quantities