LEGAL NOTICE NO. 399

REPUBLIC OF TRINIDAD AND TOBAGO

THE METROLOGY ACT, CHAP. 82:06

ORDER

MADE BY THE MINISTER UNDER SECTION 3(5) OF THE METROLOGY ACT

THE METROLOGY (AMENDMENT TO THE FIRST SCHEDULE) ORDER, 2019

1. This Order may be cited as the Metrology (Amendment to the First Schedule) Order, 2019. Citation

2. The Metrology Act is amended by revoking the First Schedule and substituting the following Schedule: First Schedule Chap. 82:06 amended

"FIRST SCHEDULE

Section 3(2)

BASE UNITS

Physical Quantity SI Unit	**Name of Unit**	**Unit Symbol**	**Definition**
Mass	kilogram	kg	The kilogram is the SI unit of mass. It is defined by taking the fixed numerical value of the Planck constant h to be $6.626\ 070\ 15 \times 10^{-34}$ when expressed in the unit J s, which is equal to kg $m^2\ s^{-1}$, where the metre and the second are defined in terms of c and $\Delta\nu_{Cs}$.
Electric Current	ampere	A	The ampere is the SI unit of electric current. It is defined by taking the fixed numerical value of the elementary charge e to be $1.602\ 176\ 634 \times 10^{-19}$ when expressed in the unit C, which is equal to A s, where the second is defined in terms of $\Delta\nu_{Cs}$.

Physical Quantity SI Unit	**Name of Unit**	**Unit Symbol**	**Definition**
Thermodynamic temperature	kelvin	K	The kelvin is the SI unit of thermodynamic temperature. It is defined by taking the fixed numerical value of the Boltzmann constant k to be 1.380 649 × 10^{-23} when expressed in the unit J K^{-1} , which is equal to kg m^{2} s^{-2} K^{-1} , where the kilogram, metre and second are defined in terms of h, c and $\Delta\nu_{Cs}$.
Amount of Substance	mole	mol	The mole is the SI unit of amount of substance. One mole contains exactly 6.022 140 76 $\times 10^{23}$ elementary entities. This number is the fixed numerical value of the Avogadro constant, N_A, when expressed in the unit mol^{-1} and is called the Avogadro number.
Length	metre	m	The metre is the SI unit of length. It is defined by taking the fixed numerical value of the speed of light in vacuum c to be 299 792 458 when expressed in the unit m s^{-1}, where the second is defined in terms of the caesium frequency $\Delta\nu_{Cs}$.
Time	second	s	The second is the SI unit of time. It is defined by taking the fixed numerical value of the caesium frequency $\Delta\nu_{Cs}$, the unperturbed ground-state hyperfine transition frequency of the caesium 133 atom, to be 9 192 631 770 when expressed in the unit Hz, which is equal to s^{-1} .

Physical Quantity SI Unit	**Name of Unit**	**Unit Symbol**	**Definition**
Luminous Intensity	candela	cd	The candela is the SI unit of luminous intensity in a given direction. It is defined by taking the fixed numerical value of the luminous efficacy of monochromatic radiation of frequency 540×10^{12} Hz, K_{cd}, to be 683 when expressed in the unit lm W^{-1}, which is equal to cd sr W^{-1}, or cd sr kg^{-1} m^{-2} s^3, where the kilogram, metre and second are defined in terms of h, c and $\Delta\nu_{Cs}$.".

Dated this 20th day of December, 2019.

P. GOPEE-SCOON
Minister of Trade and Industry

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