Fee-charging Standards for Measuring Instruments

[Chronicle of Promulgation and Amendments]
Amended and promulgated by Ministerial Order on 20 January 1999.
Table 1 referred to in Article 13 amended and promulgated by Ministerial Order on 1 September 1999.
Table 2 referred to in Article 5 amended and promulgated, and Articles 14-1, 14-2 and 14-3 added by Ministerial Order on 12 January 2000.
Articles 3-1 and 3-2 added and promulgated by Ministerial Order on 11 October 2000.
Table 2 referred to in Article 5 amended and promulgated, and Articles 14-4, 14-5 and 14-6 added by Ministerial Order on 26 December 2001.
33 Articles amended and promulgated in full by Ministerial Order on 8 October 2003.
Rename of the title, Articles 1, 2, 3, 19 and 33 amended; and Articles 29-1, 32-1, and Table 11 referred to in 32-2 added by Ministerial Order on 28 January 2004.
Table 1 and Table 9 amended and promulgated by Ministerial Order on 2 May 2005.
Table 1,Table 6, Table 9 and Table 10 amended and promulgated by Ministerial Order on 3 July 2006.
Articles 10, 24, 26 and Table 9 referred to in Article 28 amended and promulgated , and Articles 22-1 added by Ministerial Order on 29 December 2006.
Articles 4, 7, 9, 21 , Table 9 and Table 10 amended and promulgated by Ministerial Order on 29 June 2007.
Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 14 February 2008.
Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 22 January 2009.
Articles 22, 24 and Table 1 referred to in Article 6, Table 6 referred to in Article 14, Table 8 referred to in Article 23, Table 9 referred to in Article 28 amended and promulgated , and Article 22-2 added by Ministerial Order on 11 March 2010.
Articles 17 and Table 1 referred to in Article 6, Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 15 June 2010.
Articles30, 32-3 and Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 25 April 2011.
Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 3 February 2012.
Articles 3, 5,33 and Table 9 referred to in Article 28 amended and promulgated , and Article 32-4 and Table 12 referred to in 32-4 added by Ministerial Order on 25 April 2013.
Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 10 January 2014
Articles 17 and Table 9 referred to in Article 28, Table 12 referred to in Article 32-4 amended and promulgated by Ministerial Order on 27 December 2014.
Articles 16, 19 and Table 6, 7 referred to in Article 14, Table 9 referred to in Article 28, Table 12 referred to in Article 32-4 amended and promulgated, and Articles 18-1, 26-1 added by Ministerial Order on 15 February 2016.
Articles 4 and Table 9 referred to in Article 28, Table 12 referred to in Article 32-4 amended and promulgated by Ministerial Order on 28 April 2017.
Table 3 referred to in Article 9, Table 5 referred to in Article 11 and Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 22 June 2018.
Table 4,Table 9 and Table 12 amended and promulgated by Ministerial Order on 21 November 2019
Articles 22-3 amended and promulgated by Ministerial Order on 17 November 2020.
Articles 12-1 amended and promulgated by Ministerial Order on 20 August 2021.
Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 15 March 2022.
Articles 14 ,14-1 and Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 3 November 2022.
Table 9 referred to in Article 28 amended and promulgated by Ministerial Order on 13 June 2023.

Chapter I General Principles

Article 1

These Regulations are established in accordance with Article 59 of the Weights and Measures Act (hereinafter referred to as "the Act") and Article 7 of the Statutory Fees Act.

Article 2

The verification agency (institution) mentioned in these Standards shall mean the dedicated weights and measures authority, its branches, or any other government agencies or institutions commissioned by the dedicated weights and measures authority.

Article 3

The fees for weights and measuring instruments as referred to in these Standards shall mean the following:

1. Verification fee;
2. Appraisal fee;

3. Type approval fee;
4. Assessment fee;
5. Calibration fee;
6. Certificate and License fee;
7. Permit fee;
8. Registration fee; and
9. Calibration fee for weights.
10. Certification Fee

Fees shall be collected in New Taiwan Dollars. The total sum shall be rounded-up to the closest dollar value.

Chapter II Verification Fee

Article 4

An NTD 500 on-site verification fee for each person each time shall be collected by the verification agency (institution) for dispatching its personnel to conduct verification at the site of storage place of measuring instruments in accordance with Article 8 of the Regulations Governing Verification and Inspection of Measuring Instruments, except that the verification agency (institution) dispatch its personnel to perform the official business at the site of storage or installation place of measuring instruments where they receive an application for verification then and complete the verification within the same day.

If the personnel performing the official business as referred to in the preceding paragraph cannot commute to the place of verification and back within the same day or has to commute between different branches, the on-site fees shall be collected in accordance with the costs and expenses set forth in the Directions Governing Domestic Business Travel Expenses.

Article 5

The verification fee for taximeters shall be NTD 35 per set of stationed taximeters and NTD 200 for simulated-road verification and road verification per set.

In item (1), the verification fee for simulated-road verification and road verification shall come into force on 1 July 2013.

Article 6

The verification fees for weighing instrument are shown in Annex 1.

Article 7

The verification fee for non invasive automated sphygmomanometers is NTD 15 per set.

Article 8

The verification fees for metal graduated measuring pails and tanks are shown in Annex 2.

Article 9

The verification fees for diaphragm gas meters are shown in Annex 3. If the applicant requests for verification conducted with its own verification equipment and the verification is conducted one by one by the dedicated weights and measures authority or its branches, the verification fee shall be charged in the amount of two-fifths of the total verification fee payable for the declared quantity of measuring instruments under application.

Article 10

The verification fees for water meters are shown in Annex 4. If the applicant requests for verification conducted with

its own verification equipment and the verification is conducted one by one by the dedicated weights and measures authority or its branches, the verification fee shall be charged in the amount of two-fifths of the total verification fee payable for the declared quantity of measuring instruments under application.

Article 11

The verification fees for oil meters are shown in Annex 5.

Article 12

The verification fee for liquefied petroleum gas flow meters is NTD 2,000 per set.

Article 12-1

The verification fee for Air to liquid volumetric ratio (A/L) measuring instruments with only one set of connecting device is NTD 4,300 per set.

In case of one host with more than one set of connecting device applying for verification at the same time, each additional set of connecting device will be charged NTD3,000.

Article 13

The verification fee for milk hydrometers is NTD 8 per set.

Article 14

The verification fees for general electricity meters are shown in Annex 6, and the verification fees for transformers matched with electricity meters are shown in Annex 7.

Article 14-1

The verification fee for Electric Vehicle Supply Equipment each time is NTD 12,000 for base fee for each site and

NTD 700 for each set at the same site.

Article 15

The verification fee for radar speedometers is NTD 5,000 per set.

Article 16

The verification fee for sound level meters is NTD 7,900 per set and Octave-band filters is NTD 3,200 per set which enter into force on January 1, 2017.

The verification fee for sound level meters passed verification prior to the December 31, 2016, is NTD 4,800 per set.

Article 17

The verification fee for breath alcohol testers is NTD 11,500 per set for new testers, or NTD 8,200 per set for tester in-use; the verification fee for evidential breath alcohol analyzers is NTD 12,700 per set for new analyzers, or NTD 11,200 per set for analyzers in-use.

The verification fee mentioned in the preceding Paragraph enters into force on January 1, 2015.

By December 31, 2017, the verification fee for breath analyzers passed for initial verification prior to the December 31, 2014, is NTD 9,400 per set.

Article 18

The verification fee for rice grain moisture meters is NTD 2,400 per set.

Article 18-1

The verification fee for corn moisture meters is NTD 3,400 per set.

Article 19

The verification fee for vehicle exhaust emissions analyzers is NTD 7,000 per set for new analyzers, or NTD 5,050 per set for analyzers in-use.

Article 20

The verification fee for illuminance meters is NTD 3,700 per set for new meters, or NTD 3,300 per set for in-use meters.

Article 21

The verification fee for thermometers is NTD 2 per set.

Article 22

For verification conducted by an organization on its own, the verification fee shall be charged in the amount of one-fifth of the total verification fee payable for the quantity of measuring instruments under application.

Article 22-1

The verification fee for Laser speedometers is NTD 4,500 per set.

Article 22-2

The verification fee for inductive loop speedometers is described as follows:

1. The verification fee for the controller cabinet of inductive loop speedometers is NTD 4,200 per set for new speedometers, or NTD 3,200 per set for speedometers in-use.
2. The base verification fee for the inductive loop of inductive loop speedometers is NTD 6,700; one lane at each site. For each additional lane at the same place of verification, additional NTD 500 shall be charged.

Article 22-3

The verification fee for average speed control devices is described as follows:

In case of a single road section is NTD 50,000 per set.

In case of a two-way road section application at the same time, the two sets are NTD 80,000 in total.

Chapter III Appraisal Fee

Article 23

The appraisal fees for water meters are shown in Annex 8.

Article 24

The appraisal fee for electricity meters is described as follows:

1. Watt-hour meters and static electricity meters exclusively functioning watt-hour measurement: NTD 1,800 per set;
2. Var-hour meters and static electricity meters exclusively functioning var-hour measurement: NTD 1,800 per set;
3. Watt-hour demand meters and static electricity meters exclusively functioning watt-hour demand measurement: NTD 2,300 per set; and

4. Transformer matched with electricity meters: NTD 3,200 per set.

Article 25

The appraisal fee for diaphragm gas meters is NTD 1,300 per set.

Chapter IV Type Approval Fee and Assessment Fee

Article 26

The type approval fee for measuring instruments is NTD 5,000 per set.

The series type approval fee for measuring instruments is NTD 3,000 per set.

Article 26-1

The extension of the validity of type approval or series type approval fee for measuring instruments is NTD 5,000 per set.

Article 27

For measuring instrument laboratories that apply for becoming designated laboratories, the assessment fee shall be charged on the basis of NTD 8,000 per man-day; the same shall apply for re-assessment.

An assessment fee of NTD 4,000 shall be charged for assessments conducted in less than four (4) hours.

An assessment fee of NTD 2,000 shall be charged for assessments conducted to applications made in accordance with Article 16 of the Regulations Governing the Recognition of the Designated Testing Laboratory for Measuring Instruments.

Chapter V Calibration Fee

Article 28

The calibration fees for measuring instrument by national measurement laboratories are shown in Annex 9. The calibration fee shall be doubled for cases that the applicant requests for urgent processing.

Article 29

The calibration fees for measuring instrument conducted by the dedicated weights and measures authority and its branches are shown in Annex 10. An additional fee of NTD 450 shall be charged for every application case, except for pressure gauges, vernier calipers and micrometers.

Article 29-1

An on-site calibration fee of NTD 500 per person-time shall be charged for calibration conducted by personnel dispatched by the dedicated weights and measures authority or its branches at the storage place of measuring instruments. If the person cannot commute to the place of calibration and back within the same day, the calibration fees shall be collected in accordance with the costs and expenses set forth in the Directions Governing Domestic Business Travel Expenses.

Chapter VI Other Fees

Article 30

Except the certificate fee of NTD 500 for metrological technical personnel certificates, certificate and license fees for certificates or licenses issued in accordance with provisions of the Act shall be NTD 1,000. The same shall apply for issuing replacement or renewed certificates or licenses.

Article 31

A permit fee of NTD 2,000 shall be charged to an organization that is allowed to carry out self-verification.

Article 32

The permit fees for a weights and measures business license is described as follows:

1. NTD 2,200 for manufacturing or repairing business. The same rate shall apply to alteration of the scope specified in the license.
2. NTD 400 for importers.
3. NTD 400 for an extension of the license.

The above rates shall apply to licenses issued to branches of the organization.

Article 32-1

The registration fee for metrology technical personnel is NTD 1,200 per person.

Article 32-2

The calibration fees for weights conducted by the dedicated weights and measures authority are shown in Annex 11.

Article 32-3

The re-test fee for prepackaged products is NTD 3,000 for each time.

Article 32-4

The certification fee for reference material by national measurement laboratories are shown in Annex 12.

Article 33

These Standards shall come into force from the date of promulgation except for articles whose enforcement date has been set separately.

Annex 1

Verification Fees for Weighing Instruments

Category			Verification Fee per set	Remarks
non-automatic weighing instruments	Electronic non-automatic weighing instruments	Weighing capacity not more than 10kg	NTD 40	In case the weighing capacity is more than 5,000kg, NTD 10 shall be charged for every increment of 100kg beyond 5,000kg. The increment of less than 100kg shall be charged as 100kg.
		Weighing capacity more than 10kg but not more than 60kg	NTD 50	
		Weighing capacity more than 60kg but not more than 100kg	NTD 80	
		Weighing capacity more than 100kg but not more than 500kg	NTD 100	
		Weighing capacity more than 500kg but not more than 1,000kg	NTD 150	
		Weighing capacity more than 1,000kg but not more than 5,000kg	NTD 350	
	Mechanic non-automatic weighing instruments	Weighing capacity not more than 12kg	NTD 6	In case the weighing capacity is more than 100kg, NTD 20 shall be charged for every increment of 100kg beyond 100kg. The increment of less than 100kg shall be charged as 100kg.
		Weighing capacity more than 12kg but not more than 60kg	NTD 25	
		Weighing capacity more than 60kg but not more than 100kg	NTD 40	
	Fixed Weighbridge	In case the applicant carries self-owned weights to the place of verification by self-owned truck	NTD 750	
		In case the applicant borrows official weights not more than 10 t from verification agency (institution) to the place of verification by a self-owned truck (Shall be applicable only if the commissioned manufacturers and repairers leave for another jurisdiction area to conduct adjustment and repair, or if the verification is conducted in outer island)	NTD 2100	
		In case the applicant borrows official weights and trucks	NTD 6900	
	Portable wheel load weighers	a set (2 pieces、1 piece)	NTD 3,060	
		a set (4 pieces)	NTD 5,460	
Discontinuous totalizing automatic weighing instruments and automatic gravimetric filling weighing instruments		Weighing capacity not more than 30kg	NTD 100	
		Weighing capacity more than 30kg but not more than 500kg	NTD 250	
		Weighing capacity more than 500kg but not more than 1,500kg	NTD 450	
		Weighing capacity more than 1,500kg but not more than 4,000kg	NTD 720	
		Weighing capacity more than 4,000kg	NTD 1,200	

Annex 2

Verification Fees for Metal Graduated Measuring Pails and Tanks

Category		Verification Fee per set
Measuring pails, measuring tanks	Full capacity not more than 20L	NTD 150
	Full capacity more than 20L but not more than 1,000L	NTD 370
	Full capacity more than 1,000L but not more than 10,000L	NTD 1,100
	Full capacity more than 10,000L	For every increment of 1,000L up from 10,000L, NTD 110 shall be charged additionally.

Annex 3

Verification Fees for Diaphragm Gas Meters

Maximum flow of the gas used (m^3/hr)	Verification fee per set	Remarks
Not more than 6	NTD 25	1.If the sampled and verified meters fail the external airtight test and then all the meters applied shall be tested, one-tenth of the verification fee per set shall be charged additionally. 2.If the sampled and verified meters fail the test on errors for measuring point of 3 Q_{min} and then all the meters applied shall be tested, one-tenth of the verification fee shall be charged additionally. 3.The preceding two provisions shall only be applicable to applications filed before June 30, 2018.
More than 6 but not more than 10	NTD 50	
More than 10 but not more than 16	NTD 80	
More than 16 but not more than 25	NTD 75	
More than 25 but not more than 40	NTD 115	
More than 40 but not more than 65	NTD 190	
More than 65 but not more than 100	NTD 225	

Annex 4

Verification Fees for Water Meters

Nominal Diameter	Verification fee per set
Not more than 15 mm	NTD 70
More than 15 mm but not more than 20 mm	NTD 55
More than 20 mm but not more than 25 mm	NTD 50
More than 25 mm but not more than 40 mm	NTD 55
More than 40 mm but not more than 50 mm	NTD 200
More than 50 mm but not more than 75 mm	NTD 340
More than 75 mm but not more than 100 mm	NTD 480
More than 100 mm but not more than 125 mm	NTD 680
More than 125 mm but not more than 150 mm	NTD 900
More than 150 mm but not more than 200 mm	NTD 1200
More than 200 mm but not more than 250 mm	NTD 1500
More than 250 mm but not more than 300 mm	NTD 1800
More than 300 mm	For every increment of 50mm up from 300mm, NTD 300 shall be charged additionally.

Annex 5

Verification Fees for Oil Meters

Caliber	Verification instrument	Verification fee per set
Not more than 35mm	Standard measuring pail	NTD 115
More than 35mm but not more than 160mm	Standard flow meter	NTD 225
	Standard measuring tank	NTD 340

Annex 6

Verification Fees for Electricity Meters

Classification / Verification fee per set / Category		Single-phase two-wire	Single-phase three-wire	Others
Watt-hour meters and static electricity meters exclusively functioning watt-hour measurement	Grade 2.0	NTD 120	NTD 105	NTD 185
	Grade 1.0 and Grade 0.5	NTD 160	NTD 140	NTD 275
	Grade 0.2	NTD 160	NTD 110	NTD 205
Watt-hour demand meters and static electricity meters exclusively functioning watt-hour demand measurement	Grade 2.0	NTD 300		
	Grade 1.0 and Grade 0.5 and Grade 0.2	NTD 280		
For static electricity meters which function watt-hour and watt-hour demand measurement	Grade 2.0	NTD 220		
	Grade 1.0 and Grade 0.5 and Grade 0.2	NTD 205		
Var-hour meters and static electricity meters exclusively functioning var-hour measurement		NTD 275		

Annex 7

Verification Fees for Transformers Matched with Active Electrical Energy Meters

<table>
<tr><td colspan="2">Type of transformers</td><td rowspan="2">Voltage transformers</td><td colspan="2">Current transformers</td></tr>
<tr><td>Rated insulation class (nominal system voltage)</td><td>Phase</td><td>Not more than 1,200A</td><td>More than 1,200A</td></tr>
<tr><td>Through-type not more than 600 V</td><td>Single phase</td><td></td><td>NTD 170</td><td>NTD 195</td></tr>
<tr><td rowspan="2">Not more than 600 V</td><td>Single phase</td><td rowspan="2">NTD 495</td><td rowspan="2">NTD 275</td><td rowspan="5">NTD 275</td></tr>
<tr><td>Three phase</td></tr>
<tr><td rowspan="2">More than 600V but not more than 25,000 V</td><td>Single phase</td><td>NTD 480</td><td>NTD 405</td></tr>
<tr><td>Three phase</td><td rowspan="3">NTD 495</td><td rowspan="3">NTD 275</td></tr>
<tr><td rowspan="2">More than 25,000 V</td><td>Single phase</td></tr>
<tr><td>Three phase</td></tr>
<tr><td colspan="5">Note:
1. In case of multiple reset amounts, the fees of this Table shall apply to the maximum rated value, and half of the fees of this Table shall apply to other rated values.
2. In case of multiple loads, the fees of this Table shall apply to one load, and half of the fees of this Table shall apply to other loads.</td></tr>
</table>

Annex 8

Appraisal Fees for Water Meters

Type		Nominal caliber	Appraisal fee per set
Velocity type	Single-jet and multi-jet type	Not more than 40mm	NTD 1,300
		More than 40mm but not more than 150mm	NTD 2,800
		More than 150mm	NTD 15,000
	Woltmann type	Not more than 40mm	NTD 1,300
		More than 40mm but not more than 100mm	NTD 2,800
		More than 100mm but not more than 250mm	NTD 12,000
		More than 250mm	NTD 15,000
Vortex flow type		Not more than 40mm	NTD 1,300
		More than 40mm but not more than 100mm	NTD 2,800
		More than 100mm but not more than 200mm	NTD 12,000
		More than 200mm	NTD 15,000

Annex 9

Calibration Fees for National Measurement Laboratories

System No.	System name	Device to be calibrated	Fees
A01	Calibration System of Laboratory Standard Microphones by Reciprocity Technique	Condenser Microphone	(1) NTD 41,100 per piece (1/3 Octave, Frequency: 10 Hz to 25 kHz) (2) NTD 22,800 per piece (1/1 Octave, Frequency: 16 Hz to 16 kHz)
A02	Calibration System of Standard Microphones by Comparison	Condenser Microphone	(1) 250 Hz: NTD 5,900 for base fee (2) 100 Hz ~ 8 kHz: NTD 6,800 for base fee and NTD 500 for each additional point (3) 1/1 Octave (31.5 Hz to 16 kHz, 10 points): NTD 10,500 (4) 1/3 Octave (20 Hz to 20 kHz, 31 points): NTD 13,300
A03	Calibration System of Sound Calibrators	(1) Sound Level Meter (2) Sound Calibrator, Pistonphone	(1) Sound level meter: 1. 250 Hz or 1 kHz: NTD 3,500 for base fee and NTD 1,500 for each additional point 2. 31.5 Hz to 1 kHz: NTD 6,000 for base fee and NTD 4,000 for additional frequency range (2 kHz to 16 kHz) (2) Sound calibrator, pistonphone: NTD 4,800 for base fee and NTD 1,500 for each additional point
A04	Microphone Free-Field Sensitivity Calibration System	Condenser Microphone	(1) Reciprocity Method (1/3 Octave, Frequency: 1 kHz to 40 kHz): NTD 29,000 for base fee (1 kHz to 20 kHz, 14 points) and NTD 1,000 for each additional point (1 kHz to 40 kHz) (2) Comparison Method (1/3 Octave, Frequency: 250 Hz to 40 kHz): NTD 14,800 for base fee (250 Hz to 20 kHz, 20 points) and NTD 500 for each additional point (250 Hz to 40 kHz)
B01	NMR Magnetic Flux Density Measurement System	Gaussmeter, Magnetometer, Reference Magnet	NTD 5,500 for base fee and NTD 300 for each additional point
B02	Magnetic Flux Measurement System	Fluxmeter, Coil	NTD 5,000 for base fee and NTD 250 for each additional point
B03	Low Magnetic Field Measurement System	Gaussmeter, Magnetometer Reference Magnet	NTD 5,500 for base fee and NTD 300 for each additional point
C03	Gas Concentration Measurement System	(1) Verification of CO, NO, SO_2, CH_4, C_3H_8, CO_2, O_2 cylinder gas concentration (2) Verification of C_2H_5OH/Air cylinder gas concentration	(1) NTD 9,100 per piece (For each gas component) (2) NTD 12,000 per piece
C07	Gas Measurement System	Gas concentration detection tube, siren, leakage detector, gas concentration analyzer	NTD 5,000 for base fee and NTD 1,000 for each additional point
C09	Gas Concentration Measurement System for Low Carbon Fuels	(1) Species Concentration in Synthetic Natural Gas (2) Gas Concentration in Binary Gas	(1) NTD 22,500 per set (2) NTD 9,800 per set

System No.	System name	Device to be calibrated	Fees
		Mixtures (Choose one from CH_4/N_2, C_3H_8/N_2, CO_2/N_2)	
C10	Gas Concentration Dilution Device and Analysis Equipment Calibration Systems	Gas Concentration Dilution Device (CO/N_2, CO_2/N_2, CH_4/Air, NO/N_2, SO_2/N_2)	NTD 27,800 (5 points, for each gas component) and NTD 2,000 for each additional point
C11	Formaldehyde Gas Analyzer Calibration System	Formaldehyde Gas Analyzer / Detector	NTD 53,000 (3 points) and NTD 5,000 for each additional point
C14	Isotope Ratio Measurement System	Si	NTD 80,000 per piece
D01	Gauge Block Calibration System - Comparator	Gauge Blocks	NTD 1,400 per piece
D02	Gauge Block Calibration System - Interferometer	Gauge Blocks	NTD 3,600 per piece
D03	End Dimensional Measurement System	(1) Ring Gauge (2) Pin Gauge, Plug Gauge	(1) Ring Gauge: NTD 5,800 per piece (diameter ≤ 100 mm) NTD 7,400 per piece (diameter > 100 mm) (2) Pin Gauge, Plug Gauge: NTD 2,400 per piece
D05	Line Scale Calibration System	Standard Glass Scale, Standard Scale, Microscope Standards	(1) 0.01 mm ~ 200 mm: NTD 11,400 for base fee and NTD 500 for each additional point (2) 0.01 mm ~ 500 mm: NTD 13,500 for base fee and NTD 500 for each additional point (3) 0.01 mm ~ 1000 mm: NTD 15,600 for base fee and NTD 500 for each additional point
D06	Angle Block Calibration System	(1) Angle Blocks (2) Angular Encoder	(1) NTD 2,000 per piece (2) NTD 32,000 per piece
D07	Large Angle Calibration System	(1) True Squares, Polygons (2) Indexing Table (3) Polygon & Indexing Table	(1) True Squares, Polygons: NTD 1,800 per face (2) Indexing Table: NTD 19,800 per piece (12 divisions) NTD 24,600 per piece (18 divisions) NTD 28,700 per piece (24 divisions) (3) Cross calibration of Polygon and Indexing Table: NTD 92,000 and NTD 3,000 for each additional point of calibration
D08	Small Angle Calibration System	Electronic Level	NTD 7,200
D09	Squareness Calibration System	Cylindrical Squares, Triangular Squares, I-Type Squares	NTD 2,000 per piece (single right angle) NTD 5,900 per piece (four right angles) (add NTD 500 per piece for dimension over 450 mm or weight over 20 kg)
D12	Roundness Measuring System	Roundness Standards (sphere, hemisphere, cylinder)	NTD 9,300 per piece
D13	Surface Roughness	Surface Roughness Standards	NTD 6,500 (single measuring surface) per piece NTD 11,000 (double measuring surfaces) per piece

System No.	System name	Device to be calibrated	Fees
	Measuring System		
D14	Geodetic Length Instruments Calibration System	Total Station, Electronic Distance Meter (EDM)	NTD 10,000 per set
D15	Geodetic Angle Instruments Calibration System	Optical Theodolite, Electronic Theodolite, Total Station	NTD 9,000 per set
D16	Frequency Stabilized He-Ne Laser Calibration System	(1) I_2 Stablized He-Ne Laser (2) Absolute Frequency Measurement by Optical Comb	(1) NTD 15,400 per piece (2) NTD 20,000 per piece
D17	Long Scales Calibration System	(1) Standard Tape (2) Invar Bar Code Staff	(1) Standard Tape: NTD 8,200 (ten points) for base fee and NTD 500 for each additional point (2) Invar bar code staff: NTD 8,200 (ten points) for base fee and NTD 500 for each additional point
D18	Laser Interferometer Calibration System	(1) Laser Interferometer (including environmental sensor) (2) Dial Indicator Calibrator	(1) Laser Interferometer • Displacement: NTD 15,000 for base fee • Wavelength: NTD 15,000 per piece • Temperature sensor: NTD 3,500 (three points) for base fee and NTD 1,000 for each additional point • Pressure sensor: NTD 5,000 (five points) for base fee and NTD 1,000 for each additional point • Humidity sensor: NTD 3,500 (three points) for base fee and NTD 1,000 each for additional point (2) Dial Indicator Calibrator: NTD 9,500 (fifteen points) for base price and NTD 500 for each additional point
D19	Pitch Standards Calibration System	(1) Pitch Standard (by AFM) (2) Pitch Standard (by Diffractometer) (3) Line Width Standard (by AFM)	(1) Pitch Standard: NTD 16,000 (2) Pitch Standard: NTD 8,900 (3) Line Width Standard: NTD 20,000
D20	Calibration System for Global Positioning System Satellite Receivers	GPS Satellite Receivers	(1) NTD 10,000 for static relative positioning (2) NTD 10,000 for kinematic relative positioning (3) NTD 5,000 for single absolute positioning
D21	Step-Height Calibration System	Step Height Standard	(1) Single step height: NTD 7,500 per piece (2) Double step height: NTD 15,000 per piece
D22	Thin Film Measurement System	(1) Silicon Dioxide Standard Reference Material (2) Thin film (by X-Ray-Reflectometry)	(1) NTD 13,000 (one point) (2) NTD 32,500 (one point)
D23	Precision Long Gauge Block Calibration	Long gauge block	(1) NTD 1,600 per piece (Comparison method) (2) NTD 8,900 per piece (Interference method)

System No.	System name	Device to be calibrated	Fees
	System		
D25	2D Optical Image-Based Standards Calibration System	Image Standards	(1) Nominal Size ≥ 500 μm: NTD 9,000 for base fee and NTD 800 for each additional point (2) Nominal Size < 500 μm: NTD 9,000 for base fee and NTD 1,500 for each additional point
D26	Nano Particle Size Measurement System	Standard Particles (Polystyrene, PSL) (1) Dynamic Light Scattering (DLS) (2) Electro-gravitational Aerosol Balance (EAB) (3) Differential Mobility Analysis (DMA)	(1) NTD 7,200 per piece (2) NTD 40,000 per piece (3) NTD 10,000 per piece
D27	Nano Particle Functional Property Measurement System	Standard Particles, Standard Particle Counter (1) Counting Efficiency of Standard Particle Counter (2) Zeta Potential (Polystyrene Standard Particle) (3) Specific Surface Area of Standard Particle	(1) NTD 43,200 per piece (Concentration: 1 cm^{-3} ~ 1000 cm^{-3}) NTD 36,000 per piece (Concentration: 1000 cm^{-3} ~ 10000 cm^{-3}) (2) NTD 11,000 per piece (3) NTD 12,000 per piece
D28	Scanning Electron Microscope Calibration System	Pitch Standard, Nanoparticle Size Standard	NTD 14,000 per piece
D29	Coordinate Measuring Machine Calibration System	Coordinate Measuring Machine	NTD 68,400
D30	Step Gauge Calibration System	Step Gauge, Caliper Checker	NTD 31,700 (51 points) and NTD 300 for each additional point
E01	Josephson Voltage Measurement System	Solid State Voltage Standard, Voltage Meter	NTD 17,900 (one point) for base fee and NTD 3,000 for each additional point
E03	DC Voltage, 1-10 V, Measurement System	Solid State Voltage Standard, DC Voltage Standard	NTD 10,700 (four points) for base fee and NTD 2,675 for each additional point
E04	DC Voltage Measurement System	DC Voltage Standard	NTD 6,500 (three points) for base fee and NTD 1,000 for each additional point
E05	DC High Voltage Measurement System	DC High Voltage Divider, DC High Voltage Meter, DC	NTD 6,500 (five points) for base fee and NTD 1,300 for each additional point

System No.	System name	Device to be calibrated	Fees
		High Voltage Source	
E06	AC Voltage Measurement System	Thermal Voltage Converter, Thermal Transfer Standard	NTD 9,000 (five points) for base fee and NTD 1,800 for each additional point
E07	Potential Transformer Measurement System	(1) Potential Transformer (2) AC High Voltage Divider, AC High Voltage Meter, AC High Voltage Source	(1) Potential transformer: NTD 7,900 (four points) for base fee and NTD 1,975 for each additional point (2) AC high voltage divider, AC high voltage meter, AC high voltage source: NTD 7,000 (five points) for base fee and NTD 1,400 for each additional point
E08	DC Low Current Measurement System	(1) DC Current Shunt (2) Current Source, Current Meter	(1) DC current shunt: NTD 6,400 (two points) for base fee and NTD 3,000 for each additional point (2) Current source, current meter: NTD 3,500 for base fee and NTD 1,000 for each additional point
E09	DC Medium Current Measurement System	(1) DC Current Shunt (2) Current Source, Current Meter	(1) DC current shunt: NTD 6,400 (two points) for base fee and NTD 3,000 for each additional point (2) Current source, current meter: NTD 3,500 for base fee and NTD 1,000 for each additional point
E10	DC High Current Measurement System	(1) DC Current Shunt (2) Current Source, Current Meter	(1) DC current shunt: NTD 6,400 (two points) for base fee and NTD 3,000 for each additional point (2) Current source, current meter: NTD 3,500 for base fee and NTD 1,000 for each additional point
E11	AC Current Measurement System	AC Current Shunt, Thermal Current Converter, AC Current Source, AC Current Meter	NTD 9,000 (five points) for base fee and NTD 1,800 for each additional point
E12	Current Transformer Measurement System	Current Transformer, AC Current Shunt, AC Current Converter	NTD 8,800 (five points) for base fee and NTD 1,760 for each additional point
E13	DC Resistance Measurement System	(1) Standard Resistor (2) Multimeter/ Calibrator, Decade Resistance Box	(1) NTD 9,400 per piece (2) NTD 3,500 for base fee and NTD 1,000 for each additional point
E14	DC High Resistance Measurement System	(1) Standard (High) Resistor (2) Multimeter/ Calibrator, Teraohmmeter, High Resistance Decade Box	(1) NTD 9,400 (2) NTD 3,500 for base fee and NTD 1,000 for each additional point
E15	Standard Capacitor Measurement System	(1) Standard Capacitor (2) Precision Capacitance Gauge, RLC Meter	(1) Standard Capacitor: NTD 6,900 for base fee and NTD 3,000 for each additional point (2) Meter: NTD 3,500 for base fee and NTD 1,000 for each additional point
E16	Standard Inductor Measurement System	(1) Standard Inductor (2) RLC meter	(1) Standard inductor: NTD 5,600 for base fee and NTD 1,000 for each additional point (2) Meter: NTD 3,500 for base fee and NTD 1,000 for each additional point
E18	AC Power Measurement System	(1) Single Phase AC Power Source, Single-Phase AC	(1) NTD 14,500 (six points) for base fee and NTD 2,000 for each additional point (2) NTD 14,500 (six points) for base fee and NTD 2,000 for each

System No.	System name	Device to be calibrated	Fees
		Power Meter, Single-Phase AC Watt Converter (2) Single-Phase AC Energy Meter, Single-Phase AC Watthour Converter (3) Three-Phase AC Energy Meter (4) Three-Phase AC Power Source, Three-Phase AC Power Meter	additional point (3) NTD 14,500 (six points) for base fee and NTD 2,000 for each additional point (4) NTD 14,500 (six points) for base fee and NTD 2,000 for each additional point
E21	Phase Angle Measurement System	Phase Meter, Phase Signal Generator	NTD 9,900 (five points) for base fee and NTD 1,980 for each additional point
E23	AC Power Primary Measurement System	Single Phase Watt Converter, Single Phase Watthour Converter, Single-Phase AC Power Meter	NTD 10,000 (two points) for base fee and NTD 5,000 for each additional point
E24	Quantized Hall Resistance Measurement System	Standard Resistor	NTD 39,000 per piece
E27	Sheet Resistance System	Silicon Sheet Resistance Standard Reference Material	NTD 10,000 per piece
E29	Capacitance Traceability Measurement System	Standard Capacitor	NTD 18,000 (one point) per piece
F01	Large Water Flow Calibration System	Turbine flowmeter, positive-displacement flowmeter, time-of-flight ultrasonic flowmeter, electromagnetic flowmeter, mass flowmeter, vortex flowmeter, differential pressure flowmeter, variable area flowmeter, paddle-wheel flowmeter, impeller flowmeter	NTD 35,700 per set (eight points) for base fee and NTD 1,000 for each additional point
F02	Small Water Flow Calibration System	Turbine flowmeter, positive-displacement flowmeter, time-of-flight ultrasonic flowmeter, vortex flowmeter, electromagnetic flowmeter, mass flowmeter, variable area flowmeter,	NTD 21,200 per set (eight points) for base fee and NTD 1,000 for each additional point

System No.	System name	Device to be calibrated	Fees
		paddle-wheel flowmeter, impeller flowmeter	
F03	Low-Viscosity Oil Flow Calibration System	Positive-displacement flowmeter, mass flowmeter, turbine flowmeter	NTD 32,500 per set (eight points) for base fee and NTD 1,000 for each additional point
F04	High-Viscosity Oil Flow Calibration System	Positive-displacement flowmeter, mass flowmeter, turbine flowmeter	NTD 32,500 per set (eight points) for base fee and NTD 1,000 for each additional point
F05	High Pressure Gas Flow Calibration System	(1) Sonic Nozzle Comparison Method: turbine flowmeter, positive-displacement flowmeter, ultrasonic flowmeter, mass flowmeter, orifice plate flowmeter, differential pressure flowmeter, Venturi tube flowmeter, nozzle flowmeter, velocity-based flowmeter, laminar flowmeter, vortex flowmeter, specially designed gas flowmeter (2) Circulating Flow Comparison Method: turbine flowmeter, positive-displacement flowmeter, ultrasonic flowmeter, mass flowmeter, orifice plate flowmeter, differential pressure flowmeter, Venturi tube flowmeter, velocity-based flowmeter, laminar flowmeter, vortex flowmeter, specially designed gas flowmeter	(1) NTD 25,000 per set for base fee and add the following additional fee for the selected flow rate: (15 ~ 400) m^3/h: NTD 1,000 (400 ~ 800) m^3/h: NTD 2,000 (800 ~ 1600) m^3/h: NTD 4,000 (1600 ~ 3200) m^3/h: NTD 8,000 (3200 ~ 6400) m^3/h: NTD 16,000 (6400 ~ 12800) m^3/h: NTD 32,000 (12800 ~ 18000) m^3/h: NTD 64,000 (2) Nominal caliber of 50 mm and 75 mm: NTD 125,000 (single pressure condition, six flow rate points) for base fee and NTD 1,000 for each additional flow rate point Nominal caliber of 100 mm, 150 mm and 200 mm: NTD 140,700 (single pressure condition, six flow rate points) for base fee and NTD 1,000 for each additional flow rate point
F06	Low Pressure Gas Flow Calibration	(1) Piston Prover: sonic nozzle, thermal mass	(1) Piston Prover: NTD 7,500 per set for base fee and add the following additional fee for each additional point at the selected flow rate q

System No.	System name	Device to be calibrated	Fees
	System-Piston Prover	flowmeter, differential pressure flowmeter, laminar flowmeter, piston-based flowmeter, variable area flowmeter (2) Master Meter Method: thermal mass flowmeter, differential pressure flowmeter, sonic nozzle, laminar flowmeter, bubble flowmeter, variable area flowmeter, piston-based flowmeter, positive-displacement flowmeter	0.05 L/min ≤ q ≤ 40 L/min: NTD 1,000 0.01 L/min ≤ q < 0.05 L/min: NTD 2,000 0.002 L/min ≤ q < 0.01 L/min: NTD 4,000 (2) Master Meter Method: NTD 8,000 per set for base fee and add the following additional fee for each additional point at the selected flow rate q 1 L/min ≤ q ≤ 40 L/min: NTD 1,500 0.2 L/min ≤ q < 1 L/min: NTD 2,000 0.05 L/min ≤ q < 0.2 L/min: NTD 4,000 0.01 L/min ≤ q < 0.05 L/min: NTD 6,000 0.002 L/min ≤ q < 0.01 L/min: NTD 10,000
F07 F08	Low Pressure Gas Flow Calibration System-Small and Large Bell Provers	Sonic nozzle, thermal mass flowmeter, differential pressure flowmeter, laminar flowmeter, piston-based flowmeter, variable area flowmeter, turbine flowmeter, positive-displacement flowmeter	NTD 10,000 (five points) for base fee and NTD 1,000 for each additional point
F10	Air Speed Calibration System	Anemometry	NTD 9,600 (eight points) for base fee and NTD 1,000 for each additional point
F11	Micro Flow Calibration System	Micro liquid flowmeter, liquid metering pump	NTD 13,000 for base fee and NTD 1,000 for each additional point
F12	Low Pressure Gas Flow Calibration System-PVTt	(1) PVTt Method: sonic nozzle, laminar flowmeter, differential-pressure flowmeter (2) Master Meter Method: sonic nozzle, thermal mass flowmeter, laminar flowmeter, differential-pressure flowmeter, variable-area	(1) PVTt Method: NTD 19,900 per set for base fee and add the following additional fee for each additional point at the selected flow rate q 100 cm^3/min ≤ q ≤ 300 L/min: NTD 2,000 50 cm^3/min ≤ q < 100 cm^3/min; NTD 3,500 10 cm^3/min ≤ q < 50 cm^3/min: NTD 5,500 An additional fee of NTD 16,800 shall be added, if the gas used is other than air. (2) Master Meter Method: NTD 9,300 per set for base fee and add the following additional fee for each additional point at the selected flow rate q 100 cm^3/min ≤ q ≤ 300 L/min: NTD 1,000 50 cm^3/min ≤ q < 100 cm^3/min; NTD 1,500 10 cm^3/min ≤ q < 50 cm^3/min: NTD 2,000 An additional fee of NTD 10,800 shall be added, if the gas used is other than air.

System No.	System name	Device to be calibrated	Fees
		flowmeter, positive-displacement flowmeter	
H01	Two Pressure Humidity Generator Measurement System	(1) Thermo-hygrometer (2) Dew Point Meter	(1) Thermo-hygrometer: NTD 7,500 (including three standard points, relative humidity of (30%, 50%, 80%) @ 20 °C) for base fee and NTD 2,400 for each additional non-standard point at a combination of one temperature and one relative humidity (2) Dew Point Meter: NTD 7,500 (one point) for base fee and NTD 2,400 for each additional point
L01	Vacuum Gauge Comparative Calibration System	(1) Capacitance Diaphragm Gauge (2) Low and Medium Vacuum Gauge	(1) Capacitance Diaphragm Gauge: NTD 15,000 (nine points) for base fee and NTD 2,000 for each additional point (2) Low and Medium Vacuum Gauge: NTD 10,800 (nine points) for base fee and NTD 1,000 for each additional point
L02	Dynamic Expansion Method Vacuum Gauge Calibration System	Ionization Gauge, Spinning Rotor Viscosity Gauge	NTD 15,000 (nine points) for base fee and NTD 2,000 for each additional point
M01	Small Mass Weighing System	Standard Weight	NTD 4,200 per piece
M03	Large Mass Weighing System	Standard Weight	(1) NTD 8,500 per piece (2 kg, 5 kg, 10 kg, or 20 kg) (2) NTD 11,600 per piece (1000 kg)
N01 N02	Deadweight Measurement system (I, II)	(1) Proving Ring (2) Force Transducer, Load Cell (3) Ring Dynamometer, Force Gauge (5 kgf ~ 5000 kgf) (4) Force Transducer (Dynamic Force)	(1) Proving ring: NTD 9,500 per piece (three cycles of ten points) (2) Force Transducer, load cell: NTD 8,100 per piece (three cycles of ten points) (3) Ring dynamometer, force gauge: NTD 6,100 per set (three cycles of ten points) (4) NTD 40,900 (nine points) for base fee and NTD 1,000 for each additional point
N03	Force Comparison Calibration System (I)	Force Transducer, Load Cell, Ring Dynamometer, Force Gauge (10000 kgf ~ 200000 kgf)	NTD 21,600 (three cycles of ten points)
N04 N05	Force Comparison Calibration System (II, III)	(1) Proving Ring (2) Force Transducer, Load Cell (3) Ring Dynamometer, Force Gauge (500 kgf ~ 50000 kgf)	(1) Proving ring: NTD 9,500 per piece (three cycles of ten points) (2) Force Transducer, load cell: NTD 8,100 per piece (three cycles of ten points) (3) Ring dynamometer, force gauge: NTD 6,100 per set (three cycles of ten points)
N06	Rockwell and Superficial Rockwell Hardness Standard System	Rockwell Hardness Standard Block	NTD 1,500 per block
N07	Vickers Hardness Standard System	Vickers Hardness Standard Block	NTD 2,500 per block
N08	Micro Vickers Hardness Standard System	Micro Vickers Hardness Standard Block	NTD 2,500 per block

System No.	System name	Device to be calibrated	Fees
N09	500 N Dead Weight Machine System	Force Transducer, Load Cell, Ring Dynamometer, Force Gauge (1 N ~ 500 N)	NTD 7,800 (thirty points) per piece
N10	Nanoindentation Measurement System	Bulk Material, Thin Film Specimen	NTD 3,800 (five points) for base fee and NTD 700 for each additional point
N11	Force Comparison Calibration System (IV)	(1) Wire Material (Young's Modulus Measurement) (2) Force Transducer	(1) NTD 4,100 per piece (2) NTD 4,100 (three points) for base fee and NTD 1,000 for each additional point
N12	Torque Calibration System	Torque Transducer	(1) < 2000 N·m: NTD 15,500 (ten points) (2) (2000 to 5000) N·m: NTD 25,000 (ten points)
O02	Total Luminous Flux System	(1) Total Luminous Flux Standard Lamp (2) Gloss Standard Plate, Gloss Meter (3) Averaged LED Intensity Standard LED (4) Total Luminous Flux Standard LED (5) Chromaticity Standard LED	(1) Total Luminous Flux Standard Lamp: NTD 7,000 (2) Gloss Standard Plate and Gloss Meter: NTD 4,500 for base fee and NTD 1,000 for each additional kind of geometric angle (3) Averaged LED Intensity Standard LED: NTD 6,000 (4) Total Luminous Flux Standard LED: NTD 6,500 (5) Chromaticity Standard LED: NTD 6,500
O03	Spectro radiometric System	(1) Spectral Irradiance Standard Lamp (2) Si Detector (3) V(λ) Detector (4) Luminance Meter (5) Luminance Colorimeter (6) Spectroradiometer (7) Spectral Radiance Standard Lamp (8) Ge Detector	(1) Spectral Irradiance Standard Lamp: NTD 9,500 (ten points) for base fee and NTD 100 for each additional point (2) Si Detector: NTD 7,900 (300 nm ~ 1100 nm) for base fee and NTD 1,000 for addition range of (200 nm ~ 290 nm) (3) V(λ) Detector: NTD 7,000 (380 nm ~ 780 nm) (4) Luminance Meter: NTD 6,500 (three points) for base fee and NTD 900 for each additional point (5) Luminance Colorimeter: NTD 7,400 for base fee (including one point of luminance and chromaticity (x, y) value) and NTD 1,300 for each additional luminance point (6) Spectroradiometer: NTD 10,800 (including one spectral radiance and one luminance) for base fee and NTD 5,000 for each additional point of spectral radiance and NTD 2,000 for each additional point of luminance (7) Spectral Radiance Standard Lamp: NTD 8,000 (including one spectral radiance and one luminance) for base fee and NTD 5,000 for each additional point of spectral radiance and NTD 2,000 for each additional point of luminance (8) Ge Detector: NTD 8,000 (900 nm ~ 1600 nm)
O05	Spectro photometric System	(1) Standard Color Plate, Filter (2) Reflectance Standard	(1) Standard Color Plate, Filter: NTD 8,000 per piece (2) Reflectance Standard: NTD 8,000 (380 nm ~ 780 nm) for base fee and NTD 100 for addition wavelength point
O06	Absolute Radiometer System	(1) Luminous Intensity Standard Lamp (2) Illuminance Meter (3) Chroma Meter (4) Optical Detector (5) Laser Light Source	(1) Luminous Intensity Standard Lamp: NTD 12,000 (2) Illuminance Meter: NTD 4,500 (three points) for base fee and NTD 1,000 for each additional point (3) Chroma Meter: NTD 5,300 for base fee (including one point of illuminance and chromaticity (x, y) value) and NTD 1,000 for each additional point (4) Optical Detector: NTD 6,500 (5) Laser Light Source: NTD 6,500

System No.	System name	Device to be calibrated	Fees
O07	Absolute Cryogenic Radiometer Measurement System	(1) Si Photodiode, Ge Photodiode (2) Trap Detector (3) V(λ) Detector (Detector-based Scale Realization) (4) V(λ) Detector (Substitution Method) (5) Luminous Intensity Standard Lamp	(1) NTD 60,800 per set (2) NTD 178,800 (forty points) for base fee and NTD 2,000 for each additional point (3) NTD 99,300 per piece (4) NTD 14,400 per piece (1) NTD 14,400 per piece
O08	Haze Measurement System	Transmittance Haze Standard Plate	NTD 6,000 per piece
O09	Spectral Scattering Measurement System	White Standard Plate (Bidirectional Reflectance Distribution Function Measurement)	NTD 7,700 for one angle and one wavelength range per piece and NTD 2,000 for each angle additional wavelength range
O10	Total Spectral Radiant Flux Calibration System	Total Spectral Radiant Flux Standard Lamp	NTD 20,000 (total spectral radiant flux) for base fee and NTD 1,000 for each additional item, such as total radiant flux, chromaticity coordinates or correlated color temperature
P01	Mercury Manometer Pressure Measurement System	(1) Mercury Barometer (2) Mercury Manometer (3) Digital Pressure Gauge	(1) Mercury Barometer: NTD 13,000 (five points) for base fee and NTD 2,000 for each additional point (2) Mercury Manometer: NTD 3,100 (five points) for base fee and NTD 600 for each additional point (3) Digital Pressure Gauge: NTD 15,000 (five points) for base fee and NTD 2,000 for each additional point
P03	Hydraulic Pressure Measurement System	(1) Oil piston Pressure Gauge (2) Oil Pressure Gauge (3) Digital Pressure Gauge	(1) Oil Piston Pressure Gauge: NTD 23,700 per point (2) Oil Pressure Gauge: NTD 10,000 (five points) for base fee and NTD 1,500 for each additional point (3) Digital Pressure Gauge: NTD 14,000 (five points) for base fee and NTD 2,000 for each additional point
P04	Pneumatic Pressure Measurement System	(1) Gas Piston Pressure Gauge (2) Gas Pressure Gauge (3) Digital Pressure Gauge	(1) Gas Piston Pressure Gauge: NTD 25,000 per point (2) Gas Pressure Gauge: NTD 5,800 (five points) for base fee and NTD 600 for each additional point (3) Digital Pressure Gauge: NTD 15,000 (five points) and NTD 2,000 for each additional point
P06	Laser Interferometer Mercury Manometer for Low Pressure Standard	(1) Piston Pressure Gauge (2) Vacuum Gauge, Differential Pressure Gauge, Digital Pressure Gauge	(1) Piston Pressure Gauge: NTD 39,000 (2) Vacuum Gauge, Differential Pressure Gauge, Digital Pressure Gauge: NTD 15,000 (five points) for base fee and NTD 2,000 for each additional point
T01	Radiation Thermometer Measurement System	(1) Radiation Thermometer (Comparative Calibration) (2) Room/Low Infrared Radiation Thermometer (Comparative Calibration)	(1) 300 ℃ ~ 3000 ℃: NTD 13,200 per piece (five points at 300 ℃ ~ 1500 ℃) for base fee, NTD 1,500 for each additional point at 300 ℃ ~ 1500 ℃, NTD 2,500 for each additional point at 1501 ℃ ~ 2000 ℃ and NTD 15,000 for each additional point at 2001 ℃ ~ 3000 ℃ (2) -40 ℃ ~ 300 ℃: NTD 13,400 per piece (five points at 10 ℃ ~ 300 ℃) for base fee, NTD 1,500 for each additional point at 10 ℃ ~ 300 ℃

System No.	System name	Device to be calibrated	Fees
		(3) Radiation Thermometer, Linear Pyrometer (Fixed-point Calibration)	and NTD 2,500 for each additional point at -40 ℃ ~ 9 ℃ (3-1) 156.5975 ℃ ~ 1084.62 ℃: NTD 78,100 per piece (four points, including the fixed-point of Sn (231.928 ℃), the fixed-point of Zn (419.527 ℃), the fixed-point of Al (660.323 ℃) and the fixed-point of Ag (961.78 ℃)) for base fee, NTD 20,600 for an additional point at the fixed-point of In (156.5975 ℃) and NTD 20,600 for an additional point at the fixed-point of Cu (1084.62 ℃) (3-2) 1084.62 ℃ ~ 2474 ℃: NTD 93,800 per piece (four points, including the fixed-point of Cu (1084.62 ℃), the eutectic fixed-point of Co-C (1324 ℃), the eutectic fixed-point of Pt-C (1738 ℃) and the eutectic fixed-point of Re-C (2474 ℃)) for base fee
T03	Thermocouple Thermometer Measurement System	Type B, R, S or Pt/Pd Thermocouple (Fixed-point Calibration)	NTD 30,000 per piece (three points at 0 ℃ ~ 962 ℃) for base fee, NTD 6,000 for each additional point at 0 ℃ ~ 962 ℃, NTD 20,600 for an additional point at 1324 ℃ and NTD 33,000 for an additional point at 1492 ℃
T04	Resistance Thermometer Measurement System	Resistance Temperature Sensor, Digital Thermometer, Thermistor	NTD 4,000 (two points) for base fee and NTD 1,500 for each additional point NTD 10,000 per piece for emulation fixed-point calibration or linear regression calibration
T05	Fixed Point Measurement System for Platinum Resistance Thermometer	(1) Standard Platinum Resistance Thermometer (2) Long-stem Standard Platinum Resistance Thermometer, Capsule Standard Platinum Resistance Thermometer	(1) NTD 30,000 per piece (0 ℃ ~ 661 ℃) NTD 32,000 per piece (0 ℃ ~ 962 ℃) NTD 33,000 per piece (-190 ℃ ~ 157 ℃) NTD 33,000 per piece (-190 ℃ ~ 420 ℃) NTD 27,200 per piece (-190 ℃ ~ 0 ℃, 0 ℃ ~ 30 ℃) NTD 27,200 per piece (0 ℃ ~ 157 ℃, 0 ℃ ~ 231 ℃) NTD 27,200 per piece (0 ℃ ~ 420 ℃) (2) NTD 149,400 per piece (three points, including 234.3156 K, 273.16 K and 302.9146 K) for base fee
U01	Microwave Power Measurement System	(1) Microwave Power Sensor (calibration factor measurement) (2) Microwave Power Meter	(1) Microwave Power Sensor: NTD 6,800 for base fee (nine frequency points selected at random) and NTD 250 for each additional point (2) Microwave Power Meter: NTD 5,100
U02	Microwave S-parameter Measurement System	Air Line, Open Circuit, Short Circuit, Sliding Short Circuit, Load, Sliding Load, Mismatch, Coaxial Line, Attenuator (scattering parameter measurement)	NTD 4,400 for base fee (one point selected at random for single parameter) and NTD 200 for each additional point
U06	Electromagnetic Field Strength Measurement System	Electromagnetic Intensity Meter, Microwave Leakage Tester	NTD 7,100 for base fee (including one intensity value of one frequency point) and additional fees specified below: (1) NTD 1,400 for each additional frequency point (including one field intensity value) (2) NTD 500 for each additional field intensity value (at the same frequency point)
V01	Calibration System of Vibration by Laser Interferometry	(1) Standard Accelerometer (2) Charge Amplifier	(1) Standard Accelerometer: NTD 26,500 for base fee and NTD 2,000 for each additional point (2) Charge Amplifier: NTD 10,600

System No.	System name	Device to be calibrated	Fees
V02	Calibration System of Vibration by Comparison	(1) Piezo-Resistance or Piezo-Electric Accelerometer (2) Vibration Meter	(1) Piezo-Resistance or Piezo-Electric Accelerometer: NTD 8,900 (five points) for base fee and NTD 1,000 for each additional point (2) Vibration Meter: NTD 11,300 (five points) for base fee and NTD 1,200 for each additional point
V03	Calibration System of Shock by Comparison	Piezo-Resistance or Piezo-Electric Accelerometer	NTD 10,300 (two points) for base fee and NTD 2,000 for each additional point
V04	Calibration System of Low Frequency Vibration	(1) Low Frequency Vibration Meter (2) Low Frequency Accelerometer (3) Low Frequency Standard Accelerometer	(1) Low Frequency Vibration Meter: NTD 11,400 (five points) for base fee and NTD 1,200 for each additional point (2) Low Frequency Accelerometer: NTD 9,700 (five points) for base fee and NTD 1,000 for each additional point (3) Low Frequency Standard Accelerometer: NTD 21,900 (three points) for base fee and NTD 1,500 for each additional point
V06	Primary Shock Vibration Calibration System	Shock Accelerometer	NTD 16,000 (three points) for base fee and NTD 2,000 for each additional point
kk1001 kk1002	Gamma ray air Kerma calibration system	Standard ionization chamber (attached with expanded jacket)	NTD 9,600 (energy range Cs-137、Am-241、Co-60) for base fee and NTD 2,000 for each additional energy point
k1003 kk1004	X-ray air Kerma calibration system	(1) Standard ionization chamber (2) CT Ion Chamber (3) DAP measuring devices	(1) NTD 9,600 (energy range 20kV~300kV) for base fee and NTD 2,000 for each additional energy point (2) NTD 9,600 per piece (3) NTD 9,600 per piece
kk1005	Co-60 absorbed dose to water calibration system	(1) Standard ionization chamber (waterproof or attached with waterproof jacket) (2) Radiation irradiation facility (3) Blood irradiator	(1) NTD 9,600 per set (energy range Co-60) for base fee and NTD 2,000 for each additional energy point (2) NTD 30,000 per set (3) NTD 15,000 per set
kk1006	Beta absorbed dose to tissue calibration system	Sr-90/Y-90 radiation source or extrapolation ionization chamber	NTD 60,000 per chamber
kk1007	Neutron dose measuring system	Medical linear accelerator	(1) neutron dose measurement in radiation beam: NTD 27,000 per set (2) leakage dose measurement: NTD14,000 per set
kk1008	Neutron ambient dose equivalent calibration system	Neutron survey meter	NTD 9,600 (energy range Cf-252 or Am-241/Be-9) for base fee and NTD 2,000 for each additional energy point
kk1001 kk1002 kk1003 kk1004 kk1006 kk1008	Personnel dosimeter calibration system	Personnel dosimeter	NTD 2,400 per energy point (X-ray within an energy range of 20 kV~300 kV, Sr-90/Y-90, Cf-252, Am-241/Be-9, Cs-137, Co-60)
kk1009	Dose calibrator calibration system	(1) Well-type ionization chamber (radio nuclide	(1) NTD 14,000 per set for base fee and NTD 8,000 for each additional nuclide (2) NTD 14,000 per set for base fee and NTD 8,000 for each additional nuclide

System No.	System name	Device to be calibrated	Fees
		calibrator) (2) Well-type ionization chamber (Ir-192)	
kk1010	Liquid gamma radiation source activity calibration system	Single nuclide liquid radiation source	NTD 9,600 per unit
kk1011	Radiation source particle emission rate calibration system	Electroplate large-area α or β emitted source	NTD 12,000 per unit
kk1001 kk1002 kk1003 kk1004 kk1006 kk1008	Personnel dosimeter Proficiency Testing	(1) IA.01, accident, low-energy photons (2) IA.02, accident, high-energy photons (3) IA.03, protection, low-energy photons (4) IA.04, protection, high-energy photons (5) IA.05, protection, Bata particals (6) IA.06, protection, photons mixtures (7) IA.07, protection, photons plus Bata particals (8) IA.08, protection, photons plus neutrons (9) IA.09, protection, varied angles of incidence photons	(1) 28,800 per unit (2) 28,800 per unit (3) 28,800 per unit (4) 28,800 per unit (5) 28,800 per unit (6) 28,800 per unit (7) 28,800 per unit (8) 28,800 per unit (9) 34,000 per unit
kk1002 kk1011	survey meter Proficiency Testing	(1) Gamma radiation dosemeter and Doseratemeter (2) Bata radiation counter (3) Alpha radiation counter	(1) 36,000 per unit (2) 36,000 per unit (3) 36,000 per unit
kk1004	kVp measuring devices calibration system for mammography	kVp measuring devices	NTD 9,600 per piece
KJ01-1	Time interval measuring system	(1) Cs or H-maser time standard (2) Rb time standard or GPS receiver (time) (3) Oven controlled crystal oscillator (OCXO) (4) quartz oscillator	(1) NTD 16,000 per set (2) NTD 16,000 per set (3) NTD 8,500 per set (4) NTD 4,500 per set

System No.	System name	Device to be calibrated	Fees
KJ02-2	Frequency measuring system	(1) Oven controlled crystal oscillator (OCXO) (2) Quartz oscillator	(1) NTD 8,500 per set (2) NTD 4,500 per set
KJ02-6		(3) Microwave frequency signal generator(with atomic clock external reference) (4) Microwave frequency signal generator(with OCXO internal oscillator)	(3) NTD 25,000 for base fee (≤5 calibration points) and NTD 5,000 for each additional point. (4) N TD 25,000 for base fee (≤5 calibration points) and NTD 5,000 for each additional point.
KJ02-3	Phase comparison system	(1) Rb frequency standard or GPS receiver (frequency) (2) Cs or H-maser frequency standard	(1) NTD 16,000 per set (2) NTD 16,000 per set
KJ02-4	Frequency and phase measuring system	High performance frequency standard	NTD 16,000 per set
KJ02-5	Remote frequency calibration system	Cs or H-maser time standard & OCXO	NTD 20,000 per set (with extra NTD 5,000 for one more measurement)
KJ02-7	Portable Cesium clock time scale calibration system	(1) Cs or H-maser time standard (2) Rb time standard or GPS receiver (time) (3) Oven controlled crystal oscillator (OCXO)	NTD 30,000 per set

Annex 10
Fees for Calibration Conducted by the Dedicated Weights and Measures authority and Its Branches

Item	Class	Calibration fee per piece
Weights	Not more than 100g	NTD 80
	200g~2kg	NTD 110
	5kg~20kg	NTD 230
	50kg	NTD 350
	100kg~200kg	NTD 850
	500kg	NTD 1,200
	1,000kg	NTD 2,350
Electronic balance	Weighing capacity not more than 60kg	NTD 1,750
Tape	Not more than 10m	NTD 210
	More than 10m but not more than 20m	NTD 450
Steel ruler	Not more than 1,000mm	NTD 110 (the basic points include the zero point and the end point) and NTD 30 for each additional calibration point
Measuring pail Measuring tank	Not more than 20*l*	NTD 850
	More than 20*l* but not more than 50*l*	NTD 1,550
	More than 50*l* but not more than 1,000*l*	NTD 2,550
	More than 1,000*l*	NTD 1,000 for each increment of 1,000*l*; and NTD 1,000 shall be charged for the increment of less than 1,000*l*
One-mark volumetric flask	1ml to 1000 ml	NTD 900
One-mark pipette	1ml to 100 ml	NTD 900
Manometer	Wheel manometer	NTD 370
Platinum resistance thermometer	-30℃~120℃	NTD 1,200 (the basic calibration points are 3 points) and NTD 400 for each additional calibration point
Liquid-in-Glass thermometer	-30℃~120℃	NTD 1,200 (the basic calibration points are 3 points) and NTD 400 for each additional calibration point
Thermocouple	-30℃~120℃	NTD 1,200 (the basic calibration points are 3 points) and NTD 400 for each additional calibration point
Vernier caliper	Not more than 300mm	NTD 750
	More than 300mm but not more than 600mm	NTD 1,200
Micrometer	Not more than 300mm	NTD 750
	More than 300mm but not more than 600mm	NTD 1,200
Block gauge	Not more than 100mm	NTD 150
	More than 100mm	NTD 300
Thickness gauge	-	NTD 60

Annex 11

Calibration Fees for Weights

Item	Class	Error check per piece	
Weights	Not more than 20kg	NTD 50	For an on-site error check conducted by personnel dispatched by the dedicated weights and measures authority or its branches at the storage place of weights, an additional on-site error check fee of NTD 500 per person-time shall be charged.
	20kg~50kg	NTD 200	
	100kg~200kg	NTD 250	
	500kg	NTD 500	
	1,000kg	NTD 1,000	

Annex 12

Certification Fees for Reference Material by National Measurement Laboratories

System No.	System name	Reference Material	Fees
C08	Gravimetric High-Pressure Cylinder Gas Mixture Supply and Certification System	(1) Cylinder Gas Supply and Certification (CO/N_2, CO_2/N_2, CH_4/N_2, C_3H_8/N_2, NO/N_2, SO_2/N_2, SF_6/N_2, CF_4/N_2, O_2/N_2, CH_4/Air) (2) Cylinder Gas Supply and Certification (($CO + CO_2 + C_3H_8$)/N_2) (3) Cylinder Gas Supply and Certification (C_2H_5OH/N_2, H_2S/N_2) (4) Cylinder Gas Supply and Certification (N_2O/N_2) (5) Cylinder Gas Supply and Certification (VOCs (include Benzene, Toluene, Ethylbenzene, Xylenes)/N_2)	(1) Reference Material of Binary Gas Mixtures Certification: NTD 11,000 per piece (For each gas component) NTD 55,000 per piece (including Reference Material Supply) (For each gas component) (2) Reference Material of Multi-component Gas Mixtures Certification: NTD 70,000 per piece (including Reference Material Supply) (3) Reference Material of Binary Gas Mixtures Certification: NTD 70,000 per piece (including Reference Material Supply) (For each gas component) (4) Reference Material of Binary Gas Mixtures Certification: NTD 55,000 per piece (including Reference Material Supply) (5) NTD 100,000
C12	Gravimetric Environmental Hormone Supply and Certification System	DEHP in Methanol	NTD 3,900
C13	Static Gravimetric Method Inorganic Element Supply and Certification System	Lead Standard Solution	NTD 8,000