

Proposed Fee Changes for Pattern Approval

As part of its regulatory functions, the National Measurement Institute (NMI) examines and issues pattern approval certificates for the design (pattern) of measuring instruments used for trade and other legal purposes.

It has been determined, based on previous and projected demand, that a 75 per cent fee increase will facilitate cost recovery for maintaining the capability and capacity to examine and certify the patterns of these measuring instruments.

It is proposed to implement the 75 per cent increase in fees proportionally over four financial years.

The first increase of 18.75 per cent will be introduced on 1 July 2019, with subsequent increases introduced as follows:

- 1 July 2020 – 15.8 per cent
- 1 July 2021 – 13.6 per cent
- 1 July 2022 – 12 per cent.

In addition to cost recovery increases outlined above, pattern approval fees will also be subject to annual CPI indexation commencing on 1 July 2020.

Tables showing the new fees from 1 July 2019 for each category of measuring instruments, including a worked example, are provided in the following pages.

1. [Volume measuring instruments](#)
2. [Weighing and dimensional measuring instruments](#)
3. [Evidential breath analysers](#)
4. [Grain protein measuring instruments](#)
5. [Utility meters](#)
6. [Point of sale systems](#)
7. [Other measuring instruments](#)
8. [Use of equipment](#)

1. Fees for volume measuring instruments: 1 July 2019

Examination of patterns of volume measuring instruments

Item	Activity	Level 1 Fee	Level 2 Fee	Level 3 Fee
1	Instrument performance test	\$287/hour	\$287/hour	\$287/hour
2	Temperature test	\$1,723	\$2,727	\$2,977
3	Humidity test	\$1,969	\$2,167	\$2,310
4	Voltage test	\$848	\$1,161	\$1,279
5	Line-borne interference test	\$2,048	\$2,076	\$2,102
6	Static discharge test	\$1,382	\$2,557	\$2,831
7	Electromagnetic susceptibility test	\$4,593	\$4,997	\$5,416
8	Endurance test	\$836	\$1,670	\$2,048
9	Consultations, performance and other tests	\$287/hour	\$287/hour	\$287/hour

Certification of patterns of volume measuring instruments

Item	Activity	Level 1 Fee	Level 2 Fee	Level 3 Fee
1	Application processing	\$430	\$430	\$430
2	Application assessment	\$287/hour	\$287/hour	\$287/hour
3	Checklist completion	\$287/hour	\$287/hour	\$287/hour
4	Summary report preparation	\$287/hour	\$287/hour	\$287/hour
5	Certificate preparation	\$287/hour	\$287/hour	\$287/hour

Worked Example

Fees for examination and certification of a simple liquid measure (Level 1 volume measuring instrument) as of 1 July 2019.

Activity	Fee	Hours
Application Processing	\$430	
Application Assessment	\$1,435	5.0
Instrument Performance test	\$2,153	7.5
Temperature test	\$1,723	
Humidity test	\$1,969	
Voltage test	\$848	
Line-borne interference test	\$2,048	
Static discharge test	\$1,382	
Electromagnetic susceptibility tests	\$4,593	
Endurance tests	\$836	
Checklist	\$1,148	4.0
Summary report	\$861	3.0
Certificate preparation	\$718	2.5
TOTAL	\$20,144	

2. Fees for weighing and dimensional measuring instruments: 1 July 2019

Examination of patterns of weighing and dimensional measuring instruments

Item	Activity	Level 1 Fee	Level 2 Fee	Level 3 Fee
1	Instrument performance test	\$287/hour	\$287/hour	\$287/hour
2	Temperature test	\$2,532	\$3,289	\$3,420
3	Humidity test	\$1,395	\$1,736	\$2,191
4	Cyclic humidity test	\$4,241	\$4,568	\$4,959
5	Voltage test	\$1,044	\$1,199	\$1,291
6	Line borne interference test	\$952	\$1,109	\$1,356
7	Surge test	\$952	\$1,109	\$1,356
8	Static discharge test	\$1,044	\$1,150	\$1,266
9	Electromagnetic susceptibility test	\$4,659	\$5,416	\$6,094
10	High frequency electromagnetic susceptibility test	\$2,322	\$2,885	\$3,472
11	Endurance test	\$1,096	\$1,382	\$1,710
12	Consultations, performance and other tests	\$287/hour	\$287/hour	\$287/hour

Certification of patterns of weighing and dimensional measuring instruments

Item	Activity	Level 1 Fee	Level 2 Fee	Level 3 Fee
1	Application processing	\$430	\$430	\$430
2	Application assessment	\$287/hour	\$287/hour	\$287/hour
3	Checklist completion	\$287/hour	\$287/hour	\$287/hour
4	Summary report preparation	\$287/hour	\$287/hour	\$287/hour
5	Certificate preparation	\$287/hour	\$287/hour	\$287/hour

Worked Example

Fees for examination and certification of a simple instrument for weighing or dimensioning (Level 1 weighing and dimensional measuring instrument) as of 1 July 2019.

Activity	Fee	Hours
Application Processing	\$430	
Application Assessment	\$861	3.0
Instrument Performance test	\$2,727	9.5
Temperature test	\$2,532	
Humidity test	\$1,395	
Cyclic Humidity test	\$4,241	
Voltage test	\$1,044	
Line-borne interference test	\$952	
Surges	\$952	
Static discharge test	\$1,044	
Electromagnetic susceptibility tests	\$4,659	
Electromagnetic susceptibility tests	\$2,322	
Endurance tests	\$1,096	
Checklist	\$1,148	4.0
Summary report	\$861	3.0
Certificate preparation	\$718	2.5
TOTAL	\$26,982	

3. Fees for evidential breath analysers: 1 July 2019

Examination of patterns of evidential breath analysers

Item	Activity	Fee
1	Instrument performance test	\$287/hour
2	Temperature test	\$679
3	Humidity test	\$704
4	Voltage test	\$1,410
5	Line borne interference test	\$3,172
6	Static discharge test	\$2,896
7	Electromagnetic susceptibility test	\$30,315
8	Mechanical shock test	the sum of the third party provider cost and \$287/hour
9	Magnetic effect test	the sum of the third party provider cost and \$287/hour
10	Hydrocarbons test	the sum of the third party provider cost and \$287/hour
11	Supply frequency test	the sum of the third party provider cost and \$287/hour
12	High temperature storage test	\$430
13	Damp heat cyclic test	\$430
14	DC power supply test	the sum of the third party provider cost and \$287/hour
15	Ripple on DC test	the sum of the third party provider cost and \$287/hour
16	Vibration test	the sum of the third party provider cost and \$287/hour
17	Durability test	the sum of the third party provider cost and \$287/hour
18	Consultations, performance and other tests	\$287/hour

Certification of patterns of evidential breath analysers

Item	Activity	Fee
1	Application processing	\$430
2	Application assessment	\$287/hour
3	Checklist completion	\$287/hour
4	Summary report preparation	\$287/hour
5	Certificate preparation	\$287/hour

Worked Example

Fees for examination and certification of an evidential breath analyser as of 1 July 2019.

Activity	Fee	Hours
Application Processing	\$430	
Application Assessment	\$861	3.0
Instrument Performance test	\$1,292	4.5
Temperature test	\$679	
Humidity test	\$704	
Voltage test	\$1,410	
Line-borne interference test	\$3,172	
Static discharge test	\$2,896	
Electromagnetic susceptibility tests	\$30,315	
High Temperature Storage	\$430	
Damp Heat Cyclic	\$430	
Checklist	\$1,148	4.0
Summary report	\$861	3.0
Certificate preparation	\$1,148	4.0
TOTAL	\$45,776	

Please note that the total amount calculated above does not include costs for the third party service provider.

4. Fees for grain protein measuring instruments: 1 July 2019

Examination of patterns of grain protein measuring instruments

Item	Activity	Fee
1	Instrument performance test	\$287/hour
2	Temperature test	\$5,860
3	Humidity test	\$1,996
4	Voltage test	\$1,070
5	Line borne interference test	\$992
6	Static discharge test	\$1,058
7	Electromagnetic susceptibility test	\$4,789
8	Consultations, performance and other tests	\$287/hour

Certification of patterns of grain protein measuring instruments

Item	Activity	Fee
1	Application processing	\$430
2	Application assessment	\$287/hour
3	Checklist completion	\$287/hour
4	Summary report preparation	\$287/hour
5	Certificate preparation	\$287/hour

Worked Example

Fees for examination and certification of a grain protein measuring instrument as of 1 July 2019.

Activity	Fee	Hours
Application Processing	\$430	
Application Assessment	\$861	3.0
Instrument Performance test	\$2,153	7.5
Temperature test	\$5,860	
Humidity test	\$1,996	
Voltage test	\$1,070	
Line-borne interference test	\$992	
Static discharge test	\$1,058	
Electromagnetic susceptibility tests	\$4,789	
Checklist	\$1,148	4.0
Summary report	\$1,292	4.5
Certificate preparation	\$1,148	4.0
TOTAL	\$22,797	

5. Fees for utility meters: 1 July 2019

Examination of patterns of utility meters

Item	Activity	Fee
1	Consultations, performance and other tests	\$287/hour

Certification of patterns of utility meters

Item	Activity	Fee
1	Application processing	\$430
2	Application assessment	\$287/hour
3	Summary report preparation	\$287/hour
4	Certificate preparation	\$287/hour

Worked Example

Fees for examination and certification of a utility meter, without any delays, as of 1 July 2019.

Activity	Fee	Hours
Application Processing	\$430	
Application Assessment	\$2,009	7.0
Summary report	\$1,005	3.5
Certificate preparation	\$1,292	4.5
TOTAL	\$4,736	

6. Fees for point of sale systems: 1 July 2019

Examination of patterns of point of sale systems

Item	Activity	Fee
1	Consultations, performance and other tests	\$287/hour

Certification of patterns of point of sale systems

Item	Activity	Fee
1	Application processing	\$430
2	Application assessment	\$287/hour
3	Summary report preparation	\$287/hour
4	Certificate preparation	\$287/hour

Worked Example

Fees for examination and certification of a point of sale system, without any delays, as of 1 July 2019.

Activity	Fee	Hours
Application Processing	\$430	
Application Assessment	\$2,870	10.0
Summary report	\$718	2.5
Certificate preparation	\$718	2.5
TOTAL	\$4,736	

7. Fees for other measuring instruments: 1 July 2019

Examination of patterns of other measuring instruments

Item	Activity	Fee
1	Consultations, performance and other tests	\$287/hour

Certification of patterns of other measuring instruments

Item	Activity	Fee
1	Application processing	\$430
2	Application assessment	\$287/hour
3	Summary report preparation	\$287/hour
4	Certificate preparation	\$287/hour

8. Fees for use of particular equipment in examination and certification of patterns of measuring instruments: 1 July 2019

Fees for use of equipment

Item	Equipment	Fee
1	Large load cell facility (capacity 600 kg to 50,000 kg)	\$151/hour
2	Small load cell facility (capacity 50 kg to 500 kg)	\$114/hour
3	Liquid hydrocarbons test facility	\$268/hour
4	Liquefied petroleum gas test facility	\$268/hour
5	Compressed natural gas test facility	\$268/hour
6	Temperature controlled chamber	\$121/hour
7	Humidity test chamber	\$141/hour
8	Reliability test equipment	\$114/hour
9	Line borne interference test equipment	\$121/hour
10	Electromagnetic susceptibility test chamber	\$340/hour
11	Electrostatic discharge test equipment	\$124/hour

The table provides hourly rates for the use of equipment where applicable. For measuring instruments not specified in the tables 1 to 6 above, a combination of hourly rates as given in 7 (Other instruments) and 8 (use of equipment) will be applied depending upon the test requirements.