

## **2014 Economy REPORT - CANADA**

### **Measurement Canada**

#### **Authorized Service Providers for device inspections**

As of August 31, 2014, there were 178 organizations authorized to perform inspections of mass, volume, electricity and natural gas measuring devices on behalf of Measurement Canada (MC), which represents an increase of 5 compared to last year. The vast majority of these organizations are located across Canada but 9 are located in the United States and Mexico due to the North American Free Trade Agreement. All authorized organizations were closely monitored and subject to audits and follow up inspections.

#### **Timber Dimensional Measuring Devices (TDMD)**

Stakeholders in the forestry industry approached Measurement Canada (MC) regarding developing approval and inspection requirements for technology used for measuring (scanning) logs. In 2014 MC, in consultation with stakeholders, completed development of new requirements to allow the approval and inspection of these devices in Canada.

The machines measure log length and diameters at several locations along the length of the log. Diameters are defined as the circumference of the log at a given location divided by the mathematical constant Pi. These measurements will subsequently be used to determine timber volumes, however as the method of determining volume varies from Province to Province, MC will not get involved in this aspect of usage and the devices will initially only be approved for linear measurements and not for direct measurement of volume.

So far MC and industry have run several tests of existing scanners in order to better understand their operation and use and to develop appropriate test procedures and standards. Manufacturers are using this information to help them make the necessary modifications to the devices so that they may be submitted for approval examination. To date, no manufacturer has submitted an application based upon the current requirements.

#### **Legislation and Regulations amended to introduce mandatory inspection of Weights and Measures Devices**

Amendments to the Weights and Measures Act and Regulations came into force on August 1, 2014.

This has been a long term project that began with various trade sector reviews which lead to a number of recommendations regarding the appropriate level of Measurement Canada intervention in the marketplace.

#### **Highlights of the legislative and regulatory amendments include:**

- Requirement that measuring devices subject to the Weights and Measures Act be inspected at regular intervals in eight trade sectors (retail petroleum, downstream petroleum, dairy, retail food, fishing, logging, mining as well as grain and field crops) at this initial stage and possibly additional sectors later;
- Providing non-government inspectors the authority to perform mandatory examinations

(inspections) pursuant to the Weights and Measures Act, but enforcement activities will remain with government inspectors;

- Increasing court-imposed fines under the Electricity and Gas Inspection Act and the Weights and Measures Act to \$10,000 for minor offences, \$25,000 for major offences and up to \$50,000 for repeat offences, thus providing greater deterrence against measurement inaccuracy and improved consumer protection; and
- Introducing administrative monetary penalties (AMPs) under both the Weights and Measures Act and the Electricity and Gas Inspection Act.

These legislative and regulatory amendments came into force on August 1, 2014. The mandatory inspection frequencies will be phased in over a period of two to three years depending on the sector.

**Mandatory Inspection frequencies are as follows:**

**In the Dairy Industry:**

<b>Device Type</b>	<b>Inspection Frequency</b>
Bulk meters	1 year
Platform scales	2 years
Vehicle scales	2 years
Computing scales	2 years

**In the Downstream Petroleum Industry:**

<b>Device Type</b>	<b>Inspection Frequency</b>
Bulk meters	2 years
Platform scales	2 years
Vehicle scales	2 years
Railway scales	2 years
Mass flow meters	2 years
Gravity meters	2 years

**In the Fishing and Fish Products Industry:**

<b>Device Type</b>	<b>Inspection Frequency</b>
Platform scales	1 year
Vehicle scales	1 year
Computing scales	1 year
Crane scales	1 year

**In the Forestry Industry:**

<b>Device Type</b>	<b>Inspection Frequency</b>
Platform scales	1 year
Vehicle scales	1 year
Railway scales	1 year
Computing scales	1 year
Conveyor belt scales	1 year

**In the Grain and Field Crop Industry:**

Grain elevators licensed by the Canadian Grain Commission:

<b>Device Type</b>	<b>Inspection Frequency</b>
Platform scales	1 year
Hopper scales	1 year
Vehicle scales	1 year
Railway scales	1 year

Other establishments (feed mills, seed plants, etc.):

<b>Device Type</b>	<b>Inspection Frequency</b>
Platform scales	2 years
Hopper scales	2 years
Vehicle scales	2 years
Railway scales	2 years

**In the Mining Industry:**

<b>Device Type</b>	<b>Inspection Frequency</b>
Platform scales	2 years
Vehicle scales	2 years
Conveyor belt scales	2 years
Railway scales	2 years
Hopper scales	2 years
Crane scales	2 years

**In the Retail Food Industry**

<b>Device Type</b>	<b>Inspection Frequency</b>
Point of Sale (POS) scales	5 years
Computing scales	5 years
Platform scales	5 years
Overhead rail scales	5 years

### **In the Retail Petroleum Industry**

<b>Device Type</b>	<b>Inspection Frequency</b>
Gasoline and diesel dispensers	2 years
Propane meters	1 year
Platform scales	2 years
Vehicle scales	2 years
Refuellers	2 years
Bulk meters (truck mounted, for home heating fuel)	2 years

### **National Technical Training Program**

Through its National Technical Training Program, Measurement Canada continued to create videos on best inspection practices. Presently, twelve (12) such videos have been produced as follows:

- *Fair Measure for All* (2012), video DVD, 15 minutes in length, presents Measurement Canada's history, mission, and mandate.
- *Signed, Sealed, Delivered*, interactive CD, 12 minutes in length, training module on the sealing of devices inspected under the *Weights and Measures Act*.
- *The Device Inspection Certificate*, interactive CD, 60 minutes in length, training module on how to fill out a Device Inspection Certificate in an accurate and concise manner under the *Weights and Measures Act*.
- *Retail Computing Scales: Standard Test Procedures (STPs) Demonstrated*, interactive CD, 40 minutes in length, training module on the application of standard test procedures for the certification of retail computing scales inspected under the Non-Automatic Weighing Device Specifications (NAWDS) pursuant to the *Weights and Measures Act*.
- *Retail Petroleum Dispensers with ATC: Standard Test Procedures (STPs) Demonstrated*, interactive CD, 40 minutes in length, training module on the application of standard test procedures for the certification of retail petroleum dispensers with automatic temperature compensation (ATC).
- *Vehicle Scales: Standard Test Procedures (STPs) Demonstrated*, interactive CD, 40 minutes in length, training module on the application of standard test procedures for the certification of vehicle scales pursuant to the *Weights and Measures Act*.

- *Truck-Mounted Petroleum Metering Assembly: Standard Test Procedures (STPs) Demonstrated*, interactive CD, 40 minutes in length, training module on the application of the Standard Test Procedures to be accomplished before certifying a Truck-Mounted Petroleum Metering Assembly pursuant to the *Weights and Measures Act*.
- *Electricity Metering Installation Inspections: Recommended best practices demonstrated*, interactive CD, 45 minutes in length, training module on the application of the best practices to adopt while inspecting a complex electricity metering installation pursuant to the *Electricity and Gas Inspection Act*.
- *Gas Measuring Apparatus Certification*, interactive CD, 43 minutes in length, training module on the application of the best practices to adopt while undertaking the certification of gas measuring apparatus pursuant to the *Electricity and Gas Inspection Act*.
- *Practical Evaluations: A "how-to" guide*, interactive CD, 45 minutes in length, a guide for evaluators and those being evaluated on the application of Standard Test Procedures (STPs) for devices inspected pursuant to the *Weights and Measures Act*.
- *Class III Weighing Devices: Standard Test Procedures (STPs) Demonstrated*, interactive CD, 40 minutes in length, training module on the application of standard test procedures for the certification of Class III platform (electronic and mechanical) scales inspected under the Non-Automatic Weighing Device Specifications (NAWDS) pursuant to the *Weights and Measures Act*.
- *Electricity Metering Installation Inspections of Multiple Customer Metering Systems (MCMS): Recommended best practices demonstrated*, interactive CD, 45 minutes in length, training module on the application of the best practices to adopt while inspecting MCMS installations pursuant to the *Electricity and Gas Inspection Act*.

The target audience for all of the videos are Measurement Canada inspectors and technicians employed by Authorized Service Providers recognized by Measurement Canada. All the materials are delivered in both official languages and pertain exclusively to Canadian legislation .