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## Changes in seal periods for 2014

May 1, 2014

To our valued customers and friends:

Last year, Measurement Canada identified a number of gas meters and devices that qualified for lengthened initial re-verification periods and defined their respective extensions. These changes were outlined for both the 2013 and 2014 calendar years.

Beginning January 1, 2014, the last phase of the change became implemented. The next few pages contain excerpts of tables that summarize the final changes and how they will affect you.

All efforts have been made to make sure this letter is accurate and up to date at the time of writing, but this is an overall guide and not meant to replace the documentation published by Measurement Canada. Two documents that you should review in detail for yourself are as follows:

Bulletin G-18 (rev.3): **available on the Measurement Canada website**

Bulletin G-03(rev.4): **available on the Measurement Canada website**

Please use this information as a guideline. Should you have any questions, please give us a call and we can review the changes with you. If you require any official rulings, contact Measurement Canada directly.

Sincerely,

Robert Barchard  
General Manager, Barchard Engineering Ltd.

The following table is an excerpt of G-03 (rev. 4) and outlines which meters qualify for Lengthened Initial Re-verification Periods.

From Bulletin G-03 (rev. 4)

Table 1: Meters Qualified for a Lengthened Initial Re-verification Period				
Manufacturer	Model(s)	Approval No.	Device Type / Capacity	Applicability
Actaris	<ul style="list-style-type: none"> <li>METRIS 250</li> <li>METRIS M250</li> </ul>	AG-0393	Diaphragm Meter: <ul style="list-style-type: none"> <li>5.5 m<sup>3</sup> /hr (air)</li> <li>195 ft.<sup>3</sup> /hr (air)</li> </ul>	All meters granted or still within an initial re-verification period as of January 1, 2009.
Elster American Meter	<ul style="list-style-type: none"> <li>AC-250</li> <li>ACM-250</li> </ul>	AG-0355	Diaphragm Meter: <ul style="list-style-type: none"> <li>5.5 m<sup>3</sup> /hr (air)</li> <li>195 ft.<sup>3</sup> /hr (air)</li> </ul>	All meters granted or still within an initial re-verification period as of January 1, 2009.
Sensus Metering Systems	<ul style="list-style-type: none"> <li>R-275</li> <li>MR-8</li> </ul>	AG-0373	Diaphragm Meter: <ul style="list-style-type: none"> <li>5 m<sup>3</sup> /hr (air)</li> <li>175 ft.<sup>3</sup> /hr (air)</li> </ul>	All meters granted or still within an initial re-verification period as of January 1, 2009.
DI Canada Inc.	<ul style="list-style-type: none"> <li>Model 197 (T+log)</li> <li>Model 201 (T+log)</li> </ul>	AG-0490	Electronic Volume Conversion Device (T only)	All meters granted or still within an initial re-verification period as of January 1, 2012.
Romet Limited	<ul style="list-style-type: none"> <li>Model ECM2</li> <li>FW ver. L and K</li> </ul>	AG-0424	Electronic Volume Conversion Device (T only)	All meters granted or still within an initial re-verification period as of January 1, 2012.
Mercury Instruments/Honeywell	<ul style="list-style-type: none"> <li>Mini-Max</li> <li>Mini-Max AT</li> <li>Mini-Max ATX</li> </ul>	AG-0481	Electronic Volume Conversion Device (T, P & PT)	All meters granted or still within an initial re-verification period as of January 1, 2012.
Mercury Instruments/Honeywell	<ul style="list-style-type: none"> <li>Mini-AT</li> <li>Mini-AT TOC</li> </ul>	AG-0452	Electronic Volume Conversion Device (P & PT)	All meters granted or still within an initial re-verification period as of January 1, 2012.
Galvanic Applied Sciences Inc.	<ul style="list-style-type: none"> <li>GASMicro</li> <li>Model IM-P</li> <li>Model IM-P-T</li> </ul>	AG-0479C	Electronic Volume Conversion Device (P & PT)	All meters granted or still within an initial re-verification period as of January 1, 2012.



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Once it has been determined which meters/devices qualify for extended seal periods and which do not, refer to Bulletin G-18 to verify the length of the corresponding seal period.

From Bulletin G-18 (rev. 3)

Table 1. Volumetric Meters – includes those with integrated pulse initiators, remote registers (indexes), remote meter-reading or automatic meter-reading (AMR) devices, correction devices or linearization functions (refer to note 2), event loggers and audit trail functions, and electronic volume conversion functions.					
Column I		Column II		Column IV	
Type	Sub-type or note	Initial Re-verification Period		Subsequent Re-verification Period (effective January 1, 2014)	
1. Diaphragm	Meters with rated air capacity $\geq$ 240 cubic ft/hour (6.8m <sup>3</sup> /hr)	7 years		5 years	
	Meters with rated air capacity < 240 cubic ft/hour (6.8m <sup>3</sup> /hr)	Qualifying under clause 5.4	All Others	Qualifying under clause 5.4	All Others
		10 years	7 years	8 years	5 years
2. Rotary	Pressure body	20 years		16 years	
3. Turbine	All types	6 years		4 years	

From Bulletin G-18 (rev. 3)

Table 3. Base Pressure and Temperature Conversion Devices and/or Recording Devices – includes those with integrated pulse initiators, remote-meter-reading or automatic-meter-reading (AMR) devices, and those incorporating event loggers and audit trail functions.					
Column I		Column II		Column IV	
Type	Sub-type or note	Initial Re-verification Period		Subsequent Re-verification Period (effective January 1, 2014)	
11. Mechanical-type Volume Conversion Device	Rotary meter modules	7 years		5 years	
	All other types	7 years		5 years	
12. Electronic-type Volume Conversion Device (EVC)	All types	Qualifying under clause 5.4	All Others	Qualifying under clause 5.4	All Others
		12 years	7 years	10 years	5 years



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Overall summary of the changes implemented to common meters and devices effective January 1, 2014.

METER/DEVICE	INITIAL PERIOD	RE-VERIFICATION PERIOD
<b>200 Series Meters (Qualifying)</b>		
AC 250	10 years	8 years
AC 250M		
R 275		
MR-8		
Metris 250		
Metris M250		
<b>200 Series (Other)</b>		
AL 225	7 years	5 years
RC 230		
AC 250R		
Sprague 240		
<b>400 and greater Diaphragms</b>		
AL 425	7 years	5 years
AC 630		
AL 800		
AL1000		
AL 2300		
R 415		
RC 750		
RC 1600		
<b>Turbine Meters (All)</b>	6 years	4 years
<b>Rotary Bodies</b>		
E.g. 5M-175	20 years	16 years
<b>Mechanical Volume Conversion Devices</b>		
E.g. Rotary TC Modules	7 years	5 years
<b>Mini Max, Mini AT, Gas Micro, Micro Correctors (T only), ECM-2</b>	12 years	10 years
<b>Other Electronic Correctors</b>		
Mercury Mini	7 years	5 years