

Enbridge Gas HVACs Training Session

Set Up and Commissioning Verification Process

March 2021

Agenda

- Safety Moment
- Enbridge Gas Introductions
- The Intent of Today's Meeting
- Language Alignment
- Enbridge Gas Legal Responsibilities
- Setup and Commissioning – Program Updates
- Appliance Installer Validation Form – Purpose and Benefits
- How to Request Forms
- Q&A

Stay Safe, Stay Well

Safety Moment



With Spring right around the corner, many will start working outside on fences, decks, gardens, tree planting, grass cutting etc

A few reminders:

- April is Dig Safe Month – please remember to Call or Click before you Dig
- Thoroughly check all tools, lawn mower, ladders etc
- Make sure power equipment is switched “off” before plugging in
- Clean up winter debris from your yard – rocks, sticks, leaves, toys
- Warm up, stretch, and pace yourself - you may not have used these muscles in months

Be on the lookout for homeowners or contractors doing any kind of digging without visible locates



Intent of Today's Meeting

- Provide clear direction and training on the Enbridge Gas Set Up and Commissioning verification program
- Review the new Appliance Installer Validation Form
- Review how to obtain the form
- Explain how to use the form to avoid a B-Tag (safety infraction) for Setup and Commissioning

Language Alignment

Set Up and Commissioning refers to the setup and adjustment of an appliance.

- Verifying and making any adjustments for the optimal and safe operation and performance of the appliance, as per the manufacturer's instruction manual, code and TSSA requirements if used for Con Heat

Combustion Analysis is additional setup requirements due to the complexity of the appliance and is identified in the manufacturer's instructions.

- Measurement and adjustment of the fuel burning mixture for safe operation and maximum efficiency.

Construction Heat is the use of a primary heating appliance for any period of time prior to the Enbridge Gas Final Inspection

Initial Putting into Use Inspection also known as **Final Inspection**, is when the promise to or confirmation of Set up, Commissioning and Combustion Analysis (if required) is validated by Enbridge Gas

Enbridge legal requirements to ensure Set-Up, Commissioning and Combustion Analysis are performed

Enbridge is required to abide by law under:

- OREG 212/01 – Clause 7
Initial Putting Into Use Inspection.
- CSA B149.1 – Clause 4.3
Responsibilities of the Installer.



Setup and Commissioning is the responsibility of the installer, as per TSSA

Setup and Commissioning - Program Updates

Addition of signed promise to complete setup and commissioning

One single, simplified Appliance Installer Validation form per appliance

Harmonized use across the entire Enbridge Area starting April 1st, 2021

Transition period until June 1st, 2021

Allows TSSA certificate holders to confirm:

- Manufacturer's installation instructions allow the use of the appliance for construction heat
- Set Up, Commissioning and Combustion Analysis **has been or will be** completed if required as per the manufacturer's certified installation instructions

Appliance Installer Validation Form – Section A

- Applies to both primary heating appliances AND any other appliance that requires commissioning
- Must be complete and signed by a TSSA certificate holder to **avoid a B Tag**
- Initial indicates **setup and commissioning has been or will be completed**

Appliance Installer Validation Form



Note: This form is applicable for all gas primary heating appliances, or any other appliance requiring setup and commissioning, as per the manufacturer's certified installation instructions. This form must be attached to the applicable appliance. One form per appliance.

Address: 123 Main St	Type of equipment: Furnace
City: Toronto	Lot number: 99

Section A: Initial putting into use - final inspection

This section is required for the Primary Heating Appliance and any other appliance requiring commissioning. By signing below you certify that the applicable items have been

TSSA registered contractor: ABC Heating	TSSA contractor registration number: 987654321
Gas tech name: John Doe	Tech certificate number: 123456
Gas tech signature: John Doe	Date: April 15th, 2021
1. Appliance start up and adjustment (gas setup/commissioning/combustion analysis as applicable) has been or will be completed as per manufacturer's instructions prior to homeowner occupancy	Initial: JD
2. Arrangements have been made or will be made to instruct the homeowner on the safe and correct operation of the appliance	Initial: JD

Any unresolved infractions at the premises existing prior to or at the time of the final transfer of ownership to the homeowner remain the responsibility of the builder, including any costs or expenses related to resolving or clearing any such infractions. For clarity, this includes any infractions issued pursuant to CSA-B149.1 "Natural Gas and Propane Installation Code", the appliance manufacturer's certified installation instructions, or otherwise. All items will be completed by a TSSA certificate holder.

Appliance Installer Validation Form – Section B

- The TSSA certificate holder is only required to complete Section B when an appliance is used after a construction heater or an appliance is used as a primary heating source for construction heat
- Checklist items allow the verification of construction heat requirements
- The TSSA certificate holder signing off on section B, takes the responsibility of those initializing the checklist

Section B: Construction use

This section is required when the appliance(s) have been used during construction. All items will be completed by a TSSA Certificate holder

TSSA registered contractor: Jane's Heating	TSSA contractor registration number: 987654321
Gas tech name: Jane Doe	Tech certificate number: 456789
Gas tech signature: <i>Jane Doe</i>	Date: April 1st, 2021

		Initial
Pressure control		
1	House piping pressure is correct for application	AB
Piping / tubing requirements		
2	Piping/tubing system is properly sized, supported and is gas tight as per code requirements	DK
3	Pressure test tag(s) information is complete and identification of piping/tubing or valves as per code requirements	DK
4	Appliance shut-off valve installed, identified, accessible	DK
Appliance requirements		
5	Appliance is approved for construction use (as per manufacturer's certified installation instructions)	JD
6	Owner's manual left with installation and installation complies with manufacturer's instructions for construction use	AB
7	Combustion and ventilation air are provided as per manufacturer's instructions	AB
8	Clearances to combustibles and service clearances are adequate	AB
9	Thermostat or equivalent control is in place and operating correctly	AB
10	Appliance cycles as required (as per manufacturer's certified installation instructions), temperature rise and firing rate as per rating plate	AB
Venting requirements		
11	Clean outside air provided for combustion	AB
12	Venting system is installed as per manufacturer's certified installation instructions and code requirements	DK
13	Vent terminal has proper clearances	DK
Appliance set up and commissioning requirements		
14	Appliance must be cleaned as per manufacturer's certified installation instructions. Duct work must be clean and new filter(s) installed	JD
15	Appliance operating conditions verified according to rating plate and as per manufacturer's certified installation instructions	JD

What are the benefits of the new form?



- Provides the installers a consistent method to indicate a promise to return for OR the completion of commissioning requirements per the manufacturer's instructions
- Allows for more than one TSSA certificate holder to take responsibility for various aspects of the work
- Includes the reminder steps to be followed for safe and successful Construction Heat use
- When applied correctly, it will avoid the B-Tag (safety infraction) being issued for set-up, commissioning and combustion analysis
- The form is available on buildwithgas.com or uniongas.com/Getconnected
 - The single layer form can be downloaded from the site
 - Triplicate form(hard copy) can be requested through the online form, pads of 30 sets with plastic sleeves

Questions about the form?

➤ What appliances do I use the new form on?

The Primary Heating Appliance and or any other appliance requiring set up and commissioning or combustion analysis as noted in the manufacturer installation instructions.

➤ Are there any other new forms?

No, this is the single, harmonized form across the province effective April 1st, 2021

➤ Can I use my own commissioning labels?

Enbridge Gas Appliance Installer Validation form is always required. Other labels may accompany the form(placed near the form) but do not replace the need for the use of the form.

➤ When do I need to use the new form?

- Legacy forms will be available until April 1st 2021. Legacy forms will be acknowledged, until June 1st, 2021
- The new 'Appliance Installer Validation Form' will be mandatory starting June 1st 2021 (end of the transition period to the new form)

Need Support?

Who Should I Contact?

- ***Questions about the program or any other technical question:***
Technical-Desk-VPC@enbridge.com

FAQ available within the [Resources](#) on buildwithgas.com

***Former Enbridge Area only:
Online HVAC Portal***

How Do I Obtain the Form?

- The form is available on buildwithgas.com or uniongas.com/Getconnected
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Where do I find more information:

- <http://www.buildwithgas.com/>
or
- <https://www.uniongas.com/getconnected>

Obtaining the Form



[Uniongas.com/getconnected](https://uniongas.com/getconnected)

Emergency Contact Us Login

Search our website

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Distribution and Union Gas have merged into one company, Enbridge Gas Inc., and we are working to serve our customers better unsure which website you need, use our [postal code lookup tool](#) to get to the right information.

es > Getconnected

Share:

Getconnected - Our Online Attachment Tool

Getconnected is our residential & commercial online application tool for home builders, heating contractors and other business partners.

⚠ Requirements for final inspection have changed

Enbridge Gas now requires an "Appliance Installer Validation Form" be completed and attached to the primary heating appliance, and any other appliance requiring setup and commissioning. The form confirms the requirements of CSA B149.1 section 4.3 have been fulfilled by the installer, and if the appliance is used during construction of the house, that the construction heat requirements have been met.

You can access this from through:

- [Download](#) and print from your home or business for immediate use.
- [Order online](#) and Enbridge Gas will ship to your address. This could take up to 10 business days.

➡ Our getconnected tool allows you to:

- Request new natural gas services for individual homes, businesses or for



Builders and contractors

[Buildwithgas.com](https://buildwithgas.com)

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Connect to Gas Activate Meter Disconnect Gas **Resources ✓** Need help

Resources

Appliance Installer Validation form

Setup and commissioning of an appliance is the responsibility of the Installer. The appropriate form for final inspection and construction use of appliances requires the use of the "Appliance Installer Validation Form".

0.06MB PDF ↓

Appliance Installer Validation Form FAQ

0.12MB PDF ↓

Q&A

Thank You!

For additional support:
Technical-Desk-VPC@enbridge.com



Appendix

Act and Code References – Initial Inspections



O.REG 212/01 – Clause 7 Initial putting into use

(1) Where premises are connected to a supply of gas for the first time, no person shall put an appliance in the premises into use for the first time until the distributor has examined the installation of the appliance and is satisfied that the installation and use of the appliance are in compliance with this Regulation. O. Reg. 212/01, s. 7 (1).

(2) An examination under subsection (1) shall include an examination of all appliances intended to be installed at the time of occupation of the premises. O. Reg. 212/01, s. 7 (2).

CSA B149.1 – Section 4.3 Responsibilities of the installer

4.3.1 Before leaving installations, *installers* shall ensure that the *appliance, accessory, component, equipment,* or piping and tubing they installed complies with the Code requirements, and the person initially activating the *appliance* shall ensure that the *appliance* is in safe working order.

4.3.2 *Installers* shall instruct the user in the safe and correct operation of all *appliances* or *equipment* that they install.

4.3.3 The *installer* shall ensure that the manufacturer's instructions supplied with the *appliance* are left with the user.

Why B-Tag – How is it Cleared

O.REG 212/01 – Clause 13 Unacceptable Condition – Immediate Hazard (A Tag) vs. Clause 14 Unacceptable Condition – No Immediate Hazard (B Tag)

- Installation would not qualify for an A Tag, if installed safely, by the manual and lacks work completion
- B Tags vs. A Tags, acknowledging Installers in most cases would not have the gas supply for a meter unlock with final inspection and provide greater flexibility for the Installer to return, complete the work and clear the tag for Setup and Commissioning before follow-up by the Fuel Distributor (42 days to maximum of 90 days).

O.REG 212/01 – Clause 14 Unacceptable Condition – No Immediate Hazard (B Tag)

How a B – Tag is cleared:

14 (5) Where a notice is affixed to an appliance or work under clause (1) (b) or (3) (d), no person shall remove the notice unless the person holds a certificate for that purpose and on removing the notice the person shall endorse his or her certificate number, name and address on the notice and send it by prepaid registered mail or deliver it to the distributor. O. Reg. 212/01, s. 14 (5).

Only a TSSA Certificate Holder can clear the tag after correcting the issue and submit it to Enbridge with the associated information.