

Introduction

This document includes information on the objectives of the examination, a summary of its content, and the legislation and standards to be studied.

Examination objectives and presentation

Successful candidates may act as guarantors for construction work included in the following subclass:

15.4 - Owner-builder – Hydronic heating systems

This subclass authorizes construction work reserved exclusively for master pipe-mechanics under the *Master Pipe-Mechanics Act* relating to hydronic heating systems.

It also authorizes construction work that is not already authorized by the first paragraph and relates to hydronic heating systems, particularly work relating to propane gas burners and work included in subclass 15.4.1.

In addition, this subclass authorizes construction work relating to hydronic heating and air conditioning systems. However, work relating to heating and air conditioning devices that are part of such systems may not be carried out unless the contractor also holds the appropriate subclass 15.9 or 15.10.

Lastly, it authorizes related construction work.¹

Exam information

- Duration: 3 hours
- Passing grade: 60%
- Language: French or English
- Type of exam: multiple-choice questions

Examination content

The examination for subclass 15.4 - *Owner-builder – Hydronic heating systems* covers the following subjects:

- Definitions and types of systems;
- Legislative, normative and regulatory framework;
- Reading plans and specifications;
- Standards and execution of work.

¹ Source: *Regulation respecting the professional qualification of contractors and owner-builders.*

Exam preparation

To prepare for the exam, it is advisable to review the **competency profile**, which describes all the competencies and skills required of the guarantor that could be evaluated during the exam.

You will find the **competency profile**, this information sheet and other relevant information on our website: www.rbq.gouv.qc.ca/preparation-examen.

Recommended reading and materials provided during the exam session

As a guarantor, you must comply with the legislative and regulatory requirements of your field of qualification. Accordingly, you must stay current with laws, regulations, codes and standards.

Below are the main documents covering the subject of the exam:

Documents	Recommended reading	Provided at the exam
<i>Building Act (C.Q.L.R., c. B-1.1)</i>	X	
<i>Quebec Construction Code, Chapter I—Building, 2010</i>	X	X
<i>National Building Code of Canada 2010 (Amended)</i>	X	X
CAN/CSA B139 Series 19 <i>Installation code for oil-burning equipment</i>	X	X
CAN/CSA-B149.1-15 - Natural gas and propane installation code	X	X
CAN/CSA-B214 -12 <i>Installation code for hydronic systems</i>	X	X
CAN/CSA F280–F12 – <i>Determining the required capacity of residential space heating and cooling appliances</i>	X	
<i>Canadian Oil Heating Manual (Association canadienne de chauffage au mazout)</i>	X	
Calcul des pertes et gains de chaleur de la CMMTQ	X	
Les systèmes à vapeur de Claude Tardif	X	
<i>Modern Hydronic Heating: for residential and light commercial buildings de John Siegenthaler</i>	X	
Hydronic heating systems of the CMMTQ	X	
Tableaux d’efficacité en combustion de la CMMTQ	X	X

Many of these documents are available on the Publications Québec website at: www.publicationsduquebec.gouv.qc.ca.

Materials provided

All materials required for the exam (calculator, ruler, paper, pencil, etc.) will be provided on site.

Only the documents and materials provided by the invigilator may be used during the exam session.