

## Sprinkler Fitter Interprovincial Journeyman Examination Information

|                                   |                         |
|-----------------------------------|-------------------------|
| <b>Apprentice Requirements:</b>   | 4 years and 7200 hours  |
| <b>Tradesperson Requirements:</b> | 6 years and 10800 hours |
| <b>Practical Examination:</b>     | No                      |

The interprovincial (IP) journeyman examination for this trade is developed by a national committee of worker and employer representatives. The content for IP Examinations is drawn from the Red Seal Occupational Analysis (RSOS) for that trade and is based on industry's standards and expectations. You can download and print a free copy of the RSOS from the Red Seal website by visiting [www.red-seal.ca](http://www.red-seal.ca).

To write the interprovincial journeyman examination, you must either successfully complete an apprenticeship training program or meet tradesperson eligibility requirements. The pass mark is 70%.

### Red Seal Examination preparation resources:

To assist in the understanding of the development of all Interprovincial Red Seal examinations, Employment and Social Development Canada (ESDC) has developed the following information.

- A short video explaining the role of an occupational standard in the development of a Red Seal examination can be accessed on the Red Seal website at the following link: <http://www.red-seal.ca/resources/wh.1t.3sn.4.1-eng.html>
- The Getting Ready for the Examination document can be accessed through the Red Seal website at the following link: <http://www.red-seal.ca/docms/getready-eng.pdf>
- Red Seal examination sample questions can be accessed on the Red Seal website at the following link: [http://www.red-seal.ca/resources/s.1mpl.2\\_q.5.2st.3.4ns-eng.html](http://www.red-seal.ca/resources/s.1mpl.2_q.5.2st.3.4ns-eng.html)
- A trade specific skills assessment tool is available on the Red Seal website at the following link: <https://www.red-seal.ca/docms/sprinklersysinstal/self-assessment.pdf>

Use of cell phones, electronic imaging/recording or communication equipment is **not** permitted. You will be required to leave immediately if any of these items are found on your person.

Please note that examinations and study information change frequently. The most recent information is available on our website at [www.saskapprenticeship.ca](http://www.saskapprenticeship.ca)

## Sprinkler Fitter - Red Seal Examination Breakdown

An Interprovincial Red Seal examination is based on the Red Seal Occupational Standard (RSOS) for the trade. The RSOS describes the skills and knowledge required to perform the duties of the trade. Each standard is divided into Blocks (NOA) or Major Work Activities (MWA) (RSOS), which are divided into Tasks, which are divided into Sub-tasks.

The Red Seal examination has a certain number of questions assigned to these sections. The number of questions are provided below. For more information, see the full Red Seal Occupational Standard for this [trade](#).

**Total number of questions on the Interprovincial Red Seal examination - 120 questions\***

| Subject   | Percent | Number of Questions |
|---|---------|---------------------|
| <b>MWA A: Performs common occupational skills</b>                         | 20%     |                     |
| <b>Task A-1:</b> Performs safety-related functions                        |         | 5                   |
| <b>Task A-2:</b> Uses and maintains tools and equipment                   |         | 6                   |
| <b>Task A-3:</b> Organizes work   |         | 8                   |
| <b>Task A-4:</b> Commission systems                                       |         | 4                   |
| <b>Task A-5:</b> Uses communication and mentoring techniques              |         | 2                   |
| <b>MWA B: Installs water supply</b>                                       | 15%     |                     |
| <b>Task B-6:</b> Installs underground water supplies                      |         | 3                   |
| <b>Task B-7:</b> Installs fire pump units                                 |         | 7                   |
| <b>Task B-8:</b> Installs fire department connections                     |         | 5                   |
| <b>Task B-9:</b> Installs private water supply systems                    |         | 3                   |
| <b>MWA C: Installs piping</b>   | 28%     |                     |
| <b>Task C-10:</b> Prepares pipe, tube and fittings for installation       |         | 9                   |
| <b>Task C-11:</b> Installs pipe, tube and fittings                        |         | 11                  |
| <b>Task C-12:</b> Installs piping components                              |         | 12                  |
| <b>MWA D: Installs and lays out fire protection systems and devices</b>   | 21%     |                     |
| <b>Task D-13:</b> Installs water-based systems                            |         | 15                  |
| <b>Task D-14:</b> Installs specialty fire suppression systems             |         | 4                   |
| <b>Task D-15:</b> Installs detection devices                              |         | 3                   |
| <b>Task D-16:</b> Installs signal-initiating devices                      |         | 4                   |
| <b>MWA E: Inspects, tests and maintains (itm) fire protection systems</b> | 16%     |                     |
| <b>Task E-17:</b> Maintains and repairs fire protection systems           |         | 10                  |
| <b>Task E-18:</b> Inspects and tests fire protection systems              |         | 9                   |
| <b>Total</b>  | 100%    | 120                 |

*\*The number of questions on an interprovincial examination, assigned to assess each major work activity of the RSOS, as derived from the collective input from workers within the trade across Canada.*

### **Suggested trade resources when preparing for the examination.**

To assist you, a list of reference textbooks is provided below. Note that ISBN numbers are subject to change. Please consult with your supplier to access their most current version of the textbook you are acquiring. It is not necessary to use these specific textbooks; you may find others which will be equally beneficial. You are encouraged to seek additional reference materials in all test areas.

- 2016 NFPA 13 Installation of Sprinkler Systems
- 2016 NFPA 20 Standard for the Installation of Stationary Pumps for Fire Protection
- 2017 NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
- ILM Package – SPRI 101, 201, 301
- 1st year Plumbing Modules
- IPT Pipe Trades Handbook Robert A. Lee ISBN 9780920855188
- The Occupational Health and Safety Regulations 1996 Queen's Printer at:  
<http://www.qp.gov.sk.ca/documents/English/Regulations/Regulations/O1-1R1.pdf>

Individual Learning Modules (ILMs) for the Sprinkler Fitter trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398 or through [www.tradesecrets.org/](http://www.tradesecrets.org/) under Sprinkler Fitter.

\*Unless otherwise noted, books listed here are available from Red Deer College (Alberta) Bookstore, ph. (403) 342-3245