

Sprinkler Fitter

Interprovincial Journeyman Examination Information

Apprentice Requirements:	4 years and 7200 hours
Tradesperson Requirements:	6 years and 10800 hours
Practical Examination:	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 Standard (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

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 explanation of 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
- trade specific skills assessment tool is available on the Red Seal website at the following link: 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.

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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 Major Work Activities (MWA), 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
MWA A: Performs Common Occupational Skills	20%	
Task A-1: Performs safety-related functions		5
Task A-2: Uses and maintains tools and equipment		6
Task A-3: Organizes work		8
Task A-4: Commissions systems		4
Task A-5: Uses communication and mentoring techniques		2
MWA B: Installs Water Supply	15%	
Task B-6: Installs underground water supplies		3
Task B-7: Installs fire pump units		7
Task B-8: Installs fire department connections		5
Task B-9: Installs private water supply systems		3
MWA C: Installs Piping	28%	
Task C-10: Prepares pipe, tube and fittings for installation		9
Task C-11: Install pipe, tube and fittings		11
Task C-12: Installs piping components		12
MWA D: Installs and Lays Out Fire Protection Systems and Devices	21%	
Task D-13: Installs water-based systems		15
Task D-14: Installs specialty fire suppression systems		4
Task D-15: Installs detection devices		3

Task D-16: Installs signal-initiating devices		4
MWA E: Inspects, Tests and Maintains (ITM) Fire Protection Systems	16%	
Task E -17: Maintains and repairs fire protection systems		10
Task E -18: Inspects and tests fire protection systems		9
Total	100%	120

Note: The 2016 National Fire Sprinkler Association (NFPA) 13 Installation of Sprinkler Systems will be provided when you write the examination.

**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 text 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.

- International Piping Trades (IPT) Pipe Trades Handbook Robert A. Lee
ISBN 9780920855188
- Job Safety and Health IPT
- NFPA 10
- NFPA 11
- NFPA 12
- NFPA 13 Installation of Sprinkler Systems [nfpa-13-standard 2016](#)
- NFPA 14 Standpipe
- NFPA 17, 17A
- NFPA 20 Standard Installation of Stationary Pumps for Fire Protection 2016
- NFPA 25 Standard The Inspection, Testing, and Maintenance of Water Based Fire Protection Systems [nfpa-25-standard 2017](#)
- NFPA 22
- NFPA 25
- NFPA 72
- NFPA 750
- NFPA 770
- NFPA 24 Underground

- NFPA 2001
- SPF04 Basic Drawing for the Sprinkler Fitter
- SPF06 Reading Automatic Sprinkler Piping Drawings Study Guide
- SPF07 Math Skills for the Sprinkler Fitter
- SPF08 NFPA 13: Sprinkler System Installation Requirements Part 1
- SPF09 NFPA 13 Sprinkler System Installation Requirements Part 2
- SPF11 Types of Water-Based Fire Protection Systems
- SPF11 Blueprint Reading for the Sprinkler Fitter Study Guide
- SPF12 Sprinkler System Water Supply Study Guide
- SPF13 Installation of Fire Pumps
- SPF14 Special Application Sprinkler System Study Guide
- SPF15 Hydraulics for the Sprinkler Apprentice Study Guide
- SPF16 Sprinkler System Alarms Study Guide
- SPF 19-1 Technical Reports: Forms
- SPF19 NFPA 25 Inspection, Testing, and maintenance of Water-Based Fire Protection Systems
- The Occupational Health and Safety Regulations 1996 Queen's Printer at: <https://laws-lois.justice.gc.ca/eng/regulations/SOR-86-304/index.html>
- Use and Care of Tools IPT

Learning Materials for Sprinkler Fitter technical training are supplied by the training provider. A physical copy of the NFPA 13 2016 is used in class. Versions of the other codebooks are accessed online. Most students have access to the online NFPA codebooks through their employers, but if not, access can be gained for a small monthly subscription fee which can be cancelled after class.

Individual Learning Modules (ILMs) for the Sprinkler fitter trade may be ordered through the Saskatchewan Piping Industry by emailing inquiries@saskpiping.ca or by calling 306-651-3737.

NOTE: Textbooks **are not** usually available from libraries. When texts are being purchased, candidates should allow several weeks for delivery and several weeks for studying.

Absolutely no cell phones, communication devices or PDAs are allowed in the examination facility. You will be required to leave immediately if any of these items are found on your person.

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This information is subject to change without notice.