

Boilermaker

Interprovincial Journeyman Examination Information

Apprentice Requirements:	3 years and 5400 hours
Tradesperson Requirements:	4.5 years and 8100 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
- A trade specific skills assessment tool is available on the Red Seal website at the following link: <https://www.red-seal.ca/conf/assets/custom/docms/boilermaker/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.

Boilermaker – 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 Boilermaker. <https://www.red-seal.ca/eng/trades>

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

Subject	Percent	Number of Questions
MWA A: Performs Common Occupational Skills	26%	
Task A-1 Uses personal protective equipment (PPE) and safety equipment		5
Task A-2 Uses hand tools		9
Task A-3 Organizes project tasks and procedures		6
Task A-4 Uses communication and mentoring techniques		3
Task A-5 Cuts material		8
MWA B: Rigging And Hoisting	29%	
Task B-6 Determines load		11
Task B-7 Inspects rigging equipment		10
Task B-8 Inspects hoisting equipment		10
Task B-9 Performs post-lift activities		5
MWA C: New Construction	22%	
Task C-10 Lays out components for fabrication		10
Task C-11 Aligns vessels and components		10
Task C-12 Bolts components		7
MWA D: Repair, Maintenance, Upgrading and Testing	21%	
Task D-13 Services vessels and components		17
Task D-14 Dismantles vessels and components		9
Total	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.

- Boilermaker's Manual, ISBN 978-0-7718-8254-8
- Sheet Metal Pattern Drafting and Problems, by Dougherty and Clark, pub. Foster. ISBN 978-0-0266-5680-1
- Metals and How To Weld Them, by Theodore Brewster Jefferson, pub. Lincoln Electric SKU 10018408
- Metal Trades and Welding Handbook, IPT Publishing ISBN 978-0-9208-5519-5
- IPT's Guide to Blueprint Interpretation, by Jacobs ISBN 978-0-920855-42-3
- Practical Problems in Mathematics for Welders, by Bill Matlock and Robert Chasan, Schell pub. Delmar ISBN 978-14180- 42295

*Unless otherwise noted, books listed here are available from the Red River Community College, Winnipeg, MB: (204) 632-2590.

Those studying for their Interprovincial examination may wish to refer to other Level booklists for additional study materials.

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

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This information is subject to change without notice.