

# Mobile Crane Operator

## Interprovincial Journeyperson Examination Information

<b>Apprentice Requirements:</b>	3 years and 5400 hours
<b>Tradesperson Requirements:</b>	4.5 years and 8100 hours
<b>Practical Examination:</b>	No

The interprovincial (IP) journeyperson 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 <http://www.red-seal.ca>.

To write the interprovincial journeyperson 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/what-is-an-occupational-standard>
- 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/sample-exam-questions>
- A trade specific skills assessment tool is available on the Red Seal website at the following link: <https://www.red-seal.ca/eng/trades/148-mobile-crane-operator/skills-assessment-tool>

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).

## Mobile Crane Operator 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 is 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 - 110 questions\***

Subject	Percent	Number of Questions
<b>MWA A: Common occupational skills</b>	<b>6%</b>	
<b>Task A-1:</b> Performs safety related functions		4
<b>Task A-2:</b> Uses communication and mentoring techniques		3
<b>MWA B: Performs hoisting calculations</b>	<b>18%</b>	
<b>Task B-3:</b> Determines load weights		6
<b>Task B-4:</b> Calculates crane capacity		8
<b>Task B-5:</b> Performs rigging calculations		6
<b>MWA C: Inspects and maintains crane</b>	<b>13%</b>	
<b>Task C-6:</b> Performs pre-operational checks and regular inspections		6
<b>Task C-7:</b> Performs operational and continual checks		5
<b>Task C-8:</b> Performs minor crane maintenance		3
<b>MWA D: Performs rigging</b>	<b>12%</b>	
<b>Task D-9:</b> Inspects, maintains and stores slings and hardware		6
<b>Task D-10:</b> Follows rigging procedures		7
<b>MWA E: Plans lift, Prepares site and sets up Crane</b>	<b>15%</b>	
<b>Task E-11:</b> Performs pre-lift planning		9
<b>Task E-12:</b> Sets up crane		7

<b>MWA F: Assembles, disassembles and transports crane</b>	<b>13%</b>	
<b>Task F-13:</b> Loads and unloads components for transport		3
<b>Task F-14:</b> Drives cranes on public roadways		2
<b>Task F-15:</b> Assembles and disassembles lattice boom cranes		4
<b>Task F-16:</b> Assembles and disassembles telescopic boom cranes		4
<b>Task F-17:</b> Assembles and disassembles specialty equipment and attachments		2
<b>MWA G: Operates crane</b>	<b>23%</b>	
<b>Task F-18:</b> Performs common craning operations		5
<b>Task F-19:</b> Operates friction drive lattice boom cranes		2
<b>Task F-20:</b> Operates hydraulic drive lattice boom cranes		6
<b>Task F-21:</b> Operates telescopic boom cranes		5
<b>Task F-22:</b> Performs specialty craning operations		4
<b>Task F-23:</b> Secures cranes		3
<b>Total</b>	<b>100%</b>	110

*\*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.

- Construction Industry Mobile Crane Operator Apprenticeship: Package (CPUB004M)  
<https://www.crownpub.bc.ca>
- IPT's Crane & Rigging Handbook IPT Publishing and Training Ltd. Edmonton ph. 1-888-808-6763  
[www.iptbooks.com](http://www.iptbooks.com)
- Mobile Craning Today Operating Engineers Training Institute of Ontario ph. 1-877-543-3549 <https://www.oetio.com>
- Mobile Cranes by Headley Crane Institute of America ph. 1-800-832-2726  
<https://store.craneinstitute.com>

- Mobile Crane Manual M C001 Construction Safety Assoc. of Ontario ph. 1-800-263-5024  
<http://www.ihsa.ca>
- Rigging Manual R M001 Construction Safety Assoc. of Ontario ph. 1-800-263-5024  
<http://www.ihsa.ca/>
- Safety code on mobile cranes CSA Z150:20 <https://www.csagroup.org/store/product>

Modules for the Mobile Crane Operator trade developed by the Industry Training Authority of British Columbia are also available at: [https://www.crownpub.bc.ca/Product/Listing/13503\\_BC-Trades?WT.ac=hpsl\\_BCtrades](https://www.crownpub.bc.ca/Product/Listing/13503_BC-Trades?WT.ac=hpsl_BCtrades) under Mobile Crane Apprenticeship Program.

\*Unless otherwise noted, books listed here are available through the Western Trade Training Institute: <https://wtti.parklandcollege.sk.ca/mco>

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.

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This information is subject to change without notice.

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