

# Tower Crane Operator

## Interprovincial Journeyman Examination Information

<b>Apprentice Requirements:</b>	2 years and 3000 hours
<b>Tradesperson Requirements:</b>	3 years and 4500 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 National Occupational Analysis (NOA) for that trade and is based on industry's standards and expectations. You can download and print a free copy of the NOA from the Red Seal website by visiting <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 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](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/eng/trades/456\\_tower\\_crane\\_operator/.2x.1m\\_cs.shtml](https://www.red-seal.ca/eng/trades/456_tower_crane_operator/.2x.1m_cs.shtml)

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).

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## Red Seal Examination Breakdown

An Interprovincial Red Seal examination is based on the National Occupational Analysis (NOA). The NOA describes the skills and knowledge required to perform the duties of the trade. Each standard is divided into Blocks, 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 National Occupational Analysis for this [trade](#)

**Total number of questions on the Interprovincial Red Seal examination - 100 questions\***

Subject	Percent	Number of Questions
<b>MWA A: Common Occupational Skills</b>	<b>13%</b>	
<b>Task A-1:</b> Performs safety related functions		7
<b>Task A-2:</b> Contributes to workplace organization		6
<b>MWA B: Crane Inspection and Maintenance</b>	<b>20%</b>	
<b>Task B-3:</b> Performs pre-operational checks and regular inspections		10
<b>Task B-4:</b> Performs continual checks		7
<b>Task B-5:</b> Performs minor crane maintenance		3
<b>MWA C: Crane Set Up, Hoisting Calculations and Lift Planning</b>	<b>21%</b>	
<b>Task C-6:</b> Participates in tower crane assembly, disassembly and transportation		9
<b>Task C-7:</b> Plans lifts		12
<b>MWA D: Rigging</b>	<b>14%</b>	
<b>Task D-8:</b> Inspects and maintains rigging equipment		5
<b>Task D-9:</b> Maintains rigging		9
<b>MWA E: Crane Operations</b>	<b>32%</b>	
<b>Task E-10:</b> Performs pre-lift (warm-up) activities		6
<b>Task E-11:</b> Operates tower cranes		12
<b>Task E-12:</b> Climbs (raises) tower cranes		5

<b>Task E-13:</b> Performs specialty tower crane operations		5
<b>Task E-14:</b> Shuts down and secures tower cranes		4
<b>Total</b>	<b>100%</b>	100

*\*The number of questions on an interprovincial examination, assigned to assess each major work activity of the NOA, 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.

- CMC Construction Mobile Crane Modules: Package (CPUB004M)
- Rigging Manual R M001 Construction Safety Assoc. of Ontario  
Ph. 1-800-263-5024
- IPT's Crane & Rigging Handbook IPT Publishing and Training Ltd. Edmonton  
Ph.1-888-808-6763 <https://www.iptbooks.com> ISBN 9780920855010
- Mobile Craning Today Operating Engineers Training Institute of Ontario  
Ph. 1-877-793-4863 <https://www.oetio.com>

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

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

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.