

# Boom Truck Operator A

## Proficiency Examination Breakdown

<b>Apprentice Requirements:</b>	2 years and 3000 hours
<b>Tradesperson Requirements:</b>	3 years and 4500 hours
<b>Practical Examination:</b>	No

A provincial examination is based on the National Occupational Analysis (NOA) for the trade. The NOA 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 provincial 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](#). \*NOTE - To pass this examination, an overall mark of 70%, along with a mark of 70% or above in MWA C: Load Charts must be achieved.

**Total number of questions on the provincial examination - 110 questions\***

Subject	Percent	Number of Questions
<b>MWA A: Common Occupational Skills</b>	<b>15%</b>	
<b>Task A-1:</b> Performs safety related functions		10
<b>Task A-2:</b> Organizes work		6
<b>MWA B: Hoisting Calculations</b>	<b>14%</b>	
<b>Task B-3:</b> Determines load weights		8
<b>Task B-4:</b> Performs rigging calculations		7
<b>MWA C: Load Chart Calculations</b>	<b>26%</b>	
<b>Task C-5:</b> Calculates crane capacity		29
<b>MWA D: Crane Inspections and Maintenance</b>	<b>18%</b>	
<b>Task D-6:</b> Performs pre-operational checks and regular inspections		12
<b>Task D-7:</b> Performs operational and continual checks		2
<b>Task D-8:</b> Performs minor crane maintenance		6
<b>MWA E: Rigging</b>	<b>8%</b>	
<b>Task E-9:</b> Inspects, maintains and stores slings and hardware		5

<b>Task E-10:</b> Follows rigging procedures		4
<b>MWA F: Lift Planning, Site Preparations and Crane Setup</b>	<b>4%</b>	
<b>Task F-11:</b> Performs pre-lift planning		2
<b>Task F-12:</b> Sets up crane		2
<b>MWA G: Crane Assembly, Disassembly and Transport</b>	<b>5%</b>	
<b>Task G-13:</b> Loads and unloads components for transport		3
<b>Task G-14:</b> Drives cranes on public roadways		3
<b>MWA H: Crane Operations</b>	<b>10%</b>	
<b>Task H-15:</b> Performs common craning operations		9
<b>Task H-16:</b> Performs specialty craning operations		2
<b>Total</b>	<b>100%</b>	<b>110</b>

*\*The number of questions on a provincial 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.

- Rigging Manual R M001 Construction Safety Association of Ontario phone 1-800-781-2726 <http://www.ihsa.ca/PDFs/Products/Id/M035.pdf>
- IPT's Crane & Rigging Handbook IPT Publishing and Training Ltd. Edmonton ph. 1-888-808-6763 <https://www.iptbooks.com/crane-a-rigging>
- Mobile Craning Today Operating Engineers Training Institute of Ontario phone 1-877-793-4863 [http://www.oetio.com/Mobile\\_Craning\\_Today.aspx](http://www.oetio.com/Mobile_Craning_Today.aspx)
- Mobile Cranes Headley, Crane Institute of America phone 1-800-832-2726. <http://craneinstitute2-px.rtrk.com/shop/product/AMNL11/Mobile-Cranes/>
- Basic Technical Mathematics Delmar Publishers ISBN 0827346662 (Hardcover) or ISBN 9780827346413 (Paperback) Saskatchewan Polytechnic Bookstore Call Centre 1-866-569-8398

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

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.

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 web site at [www.saskapprenticeship.ca](http://www.saskapprenticeship.ca)

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This information is subject to change without notice.

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