

# Truck and Transport Mechanic

## Interprovincial Journeyperson Examination Information

<b>Apprentice Requirements:</b>	4 years and 7200 hours
<b>Tradesperson Requirements:</b>	6 years and 10800 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 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 [www.red-seal.ca](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/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/conf/assets/custom/docms/truck-transp-mech/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](http://www.saskapprenticeship.ca).

## Truck and Transport Mechanic – Red Seal Examination Breakdown

An Interprovincial Red Seal 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 Blocks (NOA) or Major Work Activities (MWA) (RSOS), 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 – 150 questions\*

Subject	Percent	Number of Questions
<b>Block A: Common Occupational Skills</b>	6%	
<b>Task A-1:</b> Performs safety-related functions		2
<b>Task A-2:</b> Uses and maintains tools and equipment		4
<b>Task A-3:</b> Performs routine trade activities		3
<b>Block B: Engine and Supporting Systems</b>	17%	
<b>Task B-4:</b> Services, diagnoses and repairs base engine		3
<b>Task B-5:</b> Services, diagnoses and repairs lubrication system		3
<b>Task B-6:</b> Services, diagnoses and repairs intake and exhaust systems		3
<b>Task B-7:</b> Services, diagnoses and repairs engine management system		4
<b>Task B-8:</b> Services, diagnoses and repairs fuel delivery system		4
<b>Task B-9:</b> Services, diagnoses and repairs emission systems for diesel engines		4
<b>Task B-10:</b> Services, diagnoses and repairs engine retarder systems		2
<b>Task B-11:</b> Services, diagnoses and repairs cooling system		3
<b>Block C: Air Systems and Brakes</b>	14%	
<b>Task C-12:</b> Services, diagnoses and repairs air systems		10
<b>Task C-13:</b> Services, diagnoses and repairs brake systems		11
<b>Block D: Electrical and Electronic Systems</b>	17%	
<b>Task D-14:</b> Services, diagnoses and repairs batteries		3
<b>Task D-15:</b> Services, diagnoses and repairs charging systems		4
<b>Task D-16:</b> Services, diagnoses and repairs spark ignition systems		2
<b>Task D-17:</b> Services, diagnoses and repairs starting systems		4

<b>Task D-18:</b> Services, diagnoses and repairs electrical components and accessories		6
<b>Task D-19:</b> Services, diagnoses and repairs electronic components, accessories and vehicle management systems		6
<b>Block E: Drive Train</b>	12%	
<b>Task E-20:</b> Services, diagnoses and repairs clutches		3
<b>Task E-21:</b> Services, diagnoses and repairs manual transmission and transfer cases		3
<b>Task E-22:</b> Services, diagnoses and repairs automatic transmissions		3
<b>Task E-23:</b> Services, diagnoses and repairs automated transmissions		4
<b>Task E-24:</b> Services, diagnoses and repairs driveline systems		2
<b>Task E-25:</b> Services, diagnoses and repairs differentials		2
<b>Task E-26:</b> Services, diagnoses and repairs drive train retarders		1
<b>Block F: Steering, Chassis/Frames, Suspension, Wheels, Hubs and Tires</b>	14%	
<b>Task F-27:</b> Services, diagnoses and repairs steering systems		5
<b>Task F-28:</b> Services, diagnoses and repairs chassis/frames		2
<b>Task F-29:</b> Services, diagnoses and repairs suspension		5
<b>Task F-30:</b> Services, diagnoses and repairs hitches and couplers		4
<b>Task F-31:</b> Services, diagnoses and repairs tires, wheels and hubs		5
<b>Block G: Cab</b>	4%	
<b>Task G-32:</b> Services, diagnoses and repairs interior cab components		3
<b>Task G-33:</b> Services, diagnoses and repairs exterior cab components		3
<b>Block H: Trailers</b>	5%	
<b>Task H-34:</b> Services, diagnoses and repairs trailer components and accessories		4
<b>Task H-35:</b> Services, diagnoses and repairs heating refrigeration systems		3
<b>Block I: Climate Control</b>	6%	
<b>Task I-36:</b> Services, diagnoses and repairs heating ventilation systems		4
<b>Task I-37:</b> Services, diagnoses and repairs air conditioning systems		5
<b>Block J: Hydraulic Systems</b>	5%	
<b>Task J-38:</b> Services, diagnoses and repairs hydraulic components		8
<b>Total</b>	<b>100%</b>	<b>150</b>

*\*The number of questions on an interprovincial examination, assigned to assess each block 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 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.

### **Supplied by Program**

- Alternative Fuels A190403C Ver 21.0 SKU 20073695
- Canada's Ozone Layer Protection Awareness by Environment Canada SK Polytechnic SKU 20274702
- Gasoline Fuel System Fundamentals A190403B Ver 21.0 NAIT/SAIT SKU 20073695
- Ignition System Fundamentals A190403A Ver 21.0 NAIT/SAIT SKU 20073657
- Level 2 Information/No materials required SKU 2007122
- Rigging Handbook by Klinke ISBN 9781888724189
- TTMR Apprentice Level 4-2 SKU JULY 2020

### **Loaned by Program**

- Automotive Technology a Systems Approach Erjavec ISBN 9780176531522
- Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems Duffy ISBN 9781284041163
- Fundamentals of Medium/Heavy Duty Diesel Engines Wright ISBN 9781284067057

Individual Learning Modules (ILM's) for the Truck and Transport Mechanic trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398 or through <https://ilm.nait.ca/home> under Heavy Equipment Technician – Truck and Transport Mechanic.

Modules for the Truck and Transport Mechanic trade developed by the Industry Training Authority of British Columbia (*New name: SkilledTradesBC*) 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 Commercial Transport Mechanic.

### **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 Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398

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.