

# POWERLINE TECHNICIAN INFORMATION SHEET 2023

Employers, journeypersons and instructors play a key role in the success of apprenticeship in Newfoundland and Labrador. By working collaboratively with government, stakeholders support the apprenticeship system in the development of a highly skilled workforce.

To receive a Red Seal endorsement, apprentices must pass the Red Seal examination. As supervising journeypersons and instructors, you are integral in helping train and prepare apprentices to write the Red Seal exam. Apprentices should be exposed to, have the ability to practice, and be able to explain how to complete all skills in the logbook; this will assist them in being successful in their Red Seal exam.

Given the broad scope of the trade, it can be difficult to know where to focus to prepare apprentices. To help inform your training plan with the apprentice, the Apprenticeship and Trades Certification Division (ATCD) has identified a list of five lower performing tasks demonstrated by Newfoundland and Labrador apprentices on the Red Seal exam for your trade\*. We encourage you to review the list below with apprentices. Details on these tasks can be found in the national occupational standard for your trade – the Red Seal Occupational Standard (RSOS): [Red Seal Occupational Standard - Powerline Technician](#)

Task/Sub-Task	Description	Number of Questions on RS Exam (out of 125)	RSOS Page Number
<b>Task C-9</b>	<b>Installs overhead conductors and cables.</b>	<b>13 questions</b>	<b>Pg. 60</b>
C-9.01	Strings overhead conductors and cables.		
C-9.02	Sags overhead conductors and cables.		
C-9.03	Ties-in overhead conductors and cables.		
C-9.04	Installs splices and connections to overhead conductors and cables.		
<b>Task C-10</b>	<b>Installs underground and underwater cable.</b>	<b>6 questions</b>	<b>Pg. 67</b>
C-10.01	Installs conduit and cable.		
C-10.02	Places direct buried cable.		
C-10.03	Splices underground and underwater cable.		
C-10.04	Terminates underground and underwater cable.		
<b>Task D-12</b>	<b>Installs voltage control equipment.</b>	<b>9 questions</b>	<b>Pg. 80</b>
D-12.01	Installs transformers.		
D-12.02	Installs capacitors.		
D-12.03	Installs voltage regulators.		
D-12.04	Installs switches.		
D-12.05	Installs reactors.**		
<b>Task D-14</b>	<b>Installs metering equipment.</b>	<b>4 questions</b>	<b>Pg. 95</b>

Task/Sub-Task	Description	Number of Questions on RS Exam (out of 125)	RSOS Page Number
D-14.01	Installs primary metering equipment.		
D-14.02	Installs secondary metering equipment.		
<b>Task E-19</b>	<b>Repairs transmission systems.</b>	<b>6 questions</b>	<b>Pg. 125</b>
E-19.01	Troubleshoots overhead transmission systems.		
E-19.02	Troubleshoots underground and underwater transmission systems.		
E-19.03	Repairs overhead transmission systems.		
E-19.04	Repairs underground and underwater transmission systems.		

*\*The information above represents the last three years where Red Seal exam data is available (May 2020 – May 2023).*

*\*\*There are no questions on the Red Seal exam from D-12.05 (Installs reactors) as it was not identified as common core for all jurisdictions in Canada.*

For additional resources to assist apprentices (e.g., Self-Assessment Guide, Red Seal Practice Questions, etc.), please visit the **Trade Profile** section on the ATCD website: [www.gov.nl.ca/atcd/designated-trades/trade-profiles/](http://www.gov.nl.ca/atcd/designated-trades/trade-profiles/)

ATCD would like to thank you for your contribution towards apprenticeship training and investing in the future of skilled trades in Newfoundland and Labrador.