

# WELDER 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. In 2022, Newfoundland and Labrador's Red Seal exam pass rate for the Welder trade was 57 per cent. This is the same as the 2022 national average of 57 per cent. 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 National Occupational Analysis (NOA): [National Occupational Analysis - Welder](#)

| Task/Sub-Task   | Description   | Number of Questions on RS Exam (out of 125) | NOA Page Number |
|-----------------|---|---|-----------------|
| <b>Task B-6</b> | <b>Performs layout.</b>   | 10 questions                                | Pg. 26          |
| B-6.01          | Develops templates.   |   |                 |
| B-6.02          | Transfers dimensions from drawings to materials.                        |   |                 |
| <b>Task B-7</b> | <b>Fabricates components.</b>   | 15 questions                                | Pg. 28          |
| B-7.01          | Prepares materials.   |   |                 |
| B-7.02          | Fits components for welding.  |   |                 |
| B-7.03          | Assembles components.   |   |                 |
| <b>Task C-8</b> | <b>Uses tools and equipment for non-thermal cutting and grinding.</b>   | 5 questions                                 | Pg. 32          |
| C-8.01          | Selects cutting and grinding tools.                                     |   |                 |
| C-8.02          | Cuts using stationary band saws and power hacksaws.                     |   |                 |
| C-8.03          | Cuts using shears and ironworkers.                                      |   |                 |
| C-8.04          | Cuts using hand tools.  |   |                 |
| C-8.05          | Cuts using handheld power tools.  |   |                 |
| <b>Task C-9</b> | <b>Uses oxy-fuel gas cutting (OFC) process for cutting and gouging.</b> | 7 questions                                 | Pg. 35          |
| C-9.01          | Selects OFC gas and equipment.  |   |                 |

| Task/Sub-Task    | Description   | Number of Questions on RS Exam (out of 125) | NOA Page Number |
|------------------|---|---|-----------------|
| C-9.02           | Sets up OFC equipment.  |   |                 |
| C-9.03           | Sets operating parameters for OFC equipment.                          |   |                 |
| C-9.04           | Performs cut and gouge using OFC equipment.                           |   |                 |
| <b>Task C-10</b> | <b>Uses plasma arc cutting (PAC) process for cutting and gouging.</b> | <b>5 questions</b>                          | <b>Pg. 38</b>   |
| C-10.01          | Selects PAC equipment and consumables.                                |   |                 |
| C-10.02          | Sets up PAC equipment.  |   |                 |
| C-10.03          | Sets operating parameters for PAC equipment.                          |   |                 |
| C-10.04          | Performs cut and gouge using PAC equipment.                           |   |                 |

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

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.