

APPRENTICESHIP & CERTIFICATION

Study Guide Powerline Technician



Study Guide

Powerline Technician

(Based on Red Seal Occupational Standard – RSOS 2019)

Government of Newfoundland and Labrador
Department of Immigration, Population Growth and Skills
Apprenticeship and Trades Certification Division

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Introduction

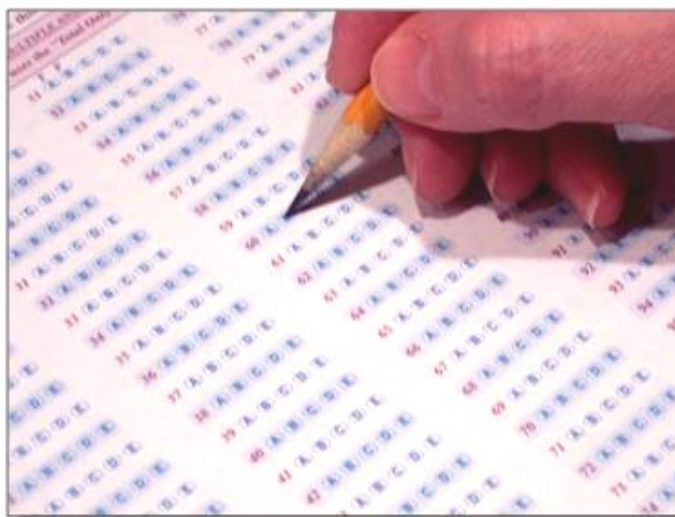
This Study Guide has been developed by the Newfoundland and Labrador Department of Immigration, Population Growth and Skills, Apprenticeship and Trades Certification Division, to assist apprentices and trade qualifiers as they prepare to write the Inter-provincial (IP) Red Seal Exam. IP Exams are available for all Red Seal trades. For a list of Inter-provincial trades please refer to the Department of Immigration, Population Growth and Skills website:

<https://www.gov.nl.ca/atcd/designated-trades/list-of-designated-trades/>

Some of the specific goals of this guide are:

- ⇒ to help you understand the skills and knowledge that might be covered on the exam
- ⇒ to help you identify your strengths and weaknesses
- ⇒ to provide organization and structure for a course of study
- ⇒ to provide a list of resources to help you with your study plan
- ⇒ to support and supplement the teaching and learning process

This study guide outlines the theoretical portion of the program. The intent is not to replace technical training provided under the guidance of instructors. Rather, it is a tool to be used in conjunction with formal training.



Exam Process

Before the Exam

You must contact the nearest Apprenticeship and Trades Certification Divisional office to make request to write the IP Red Seal exam (*See Appendix A for a list of regional offices*). Upon approval, the Apprenticeship Program Officer (APO) will notify you of your eligibility to write the exam, and provide you with scheduling information. If you require special accommodations due to a disability or language barrier, please contact your regional office for information on applying for this service.

During the Exam

You must bring:

- personal identification such as a photo or signature ID or valid Newfoundland and Labrador driver's license
- your notification letter

The following will be provided:

- a calculator (*see Appendix B for calculator information*)
- all other items required such as pencils, scrap paper, etc.

Important Note:

Personal cell phones, calculators, or other electronic equipment are NOT allowed into the exam room. If you do bring them, they will be stored away and returned to you when you have completed the exam.

After the Exam

Results will be mailed to you approximately seven to ten days after completion of the exam. All necessary instructions and information will be provided in the results letter.

The percentage mark you obtained will be provided. You will also be given a section by section breakdown, showing how many questions were in each section, as well as the number of questions in each section you completed successfully.

If you are successful in obtaining a 70% or more on your exam, you will be issued a Newfoundland and Labrador Certificate of Qualification with a Red Seal endorsement.

Exam Format

All IP Red Seal exams are written in multiple-choice format. Each exam has between 100 and 150 questions. A multiple choice question consists of a stem (a complete question) followed by four options (A, B, C, D). The stem contains all the information necessary to answer the question. The options consist of the one correct answer and three “distracters.” Distracters are incorrect. (See Appendix C for a sample answer sheet).

IP Red Seal exams contain three types of questions:

Level 1 Knowledge and Recall

Questions at this level test your ability to recall and understand definitions, facts, and principles.

Level 2 Procedural and Application

Questions at this level test your ability to apply your knowledge of procedures to a new situation.

Level 3 Critical Thinking

Questions at this level test your ability to interpret data, solve problems and arrive at valid conclusions.

On the following pages, examples of each of the three types of questions are provided.

Level 1 Examples:

1. Which procedure is to be completed before removing a bayonet fuse from a transformer?
 - A. Pressure relief valve needs to be pulled.
 - B. Secondary cables need to be disconnected.
 - C. Voltage check needs to be performed.
 - D. Transformer oil needs to be drained.



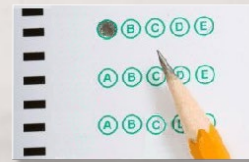
2. After isolation and before working on an underground primary cable, how is a capacitive charge dissipated?

- A. Employ a fast acting disconnect.
- B. Apply protective grounding.
- C. Coat conductors with an anti-oxidant.
- D. Make use of protective rubber matting.



3. Where is a link stick connected when changing a dead-end unit on an energized line?

- A. In series between the hoist and sling.
- B. In parallel with a nylon hoist.
- C. Between the hoist and grip.
- D. Between the cross arm and sling.



Level 2 Examples:

1. What is to be done during a tension stringing operation when the level wind will not move fully to the right or left?

- A. Stop the pull and secure the pulling line.
- B. Stop the pull and release tension from the pulling line.
- C. Disengage the level wind and continue with pull.
- D. Place the level wind in the center position and continue with pull.



2. What is considered when changing-out dampers on a transmission line?

- A. Conductor weight, operating voltage and insulator rating.
- B. Conductor sag, operating voltage and line current.
- C. Conductor weight, structure height and hot stick capability.
- D. Conductor weight, line current and hot stick capacity.



3. Which information is required when installing a fused disconnect switch?

- A. kVA rating of the line, kVA load and feeder fault current.
- B. kV rating of the line, line current and feeder fault current.
- C. kV rating of the line and the load, and feeder fault current.
- D. kV rating of the line, kVA load and continuous current flow.



Level 3 Examples:

1. An energy meter has a kW h factor of 7.2 and the disc rotates 40 times in $2\frac{1}{2}$ minutes. What is the load being indicated by this meter?

- A. 4147.2 watt.
- B. 6912 watt.
- C. 6912 volts-amp.
- D. 7200 watt.



2. What is the compressive force on the dead-end pole (T x H/L) if the height of the pole is 10 m, the tension is 570 kg and the guy is placed 14 m from the pole?

- A. 40.71.
- B. 79.8.
- C. 407.14.
- D. 798.



3. What is the kVA on a 120/208 V transformer bank when the wye connected load is 145,165 and 150 A line current?

- A. 31.89 kVA.
- B. 53.98 kVA.
- C. 55.20 kVA.
- D. 95.50 kVA.



Source of Questions:

www.red-seal.ca/s.1mpl.2.2x.1mQ.5.2st.3.4ns-eng.html?tid=194

Exam Content

Understanding the *Red Seal Occupational Standard (RSOS)*

The Red Seal model has historically been based on the development of the National Occupational Analysis (NOA) which supports the development of multiple-choice format examinations.

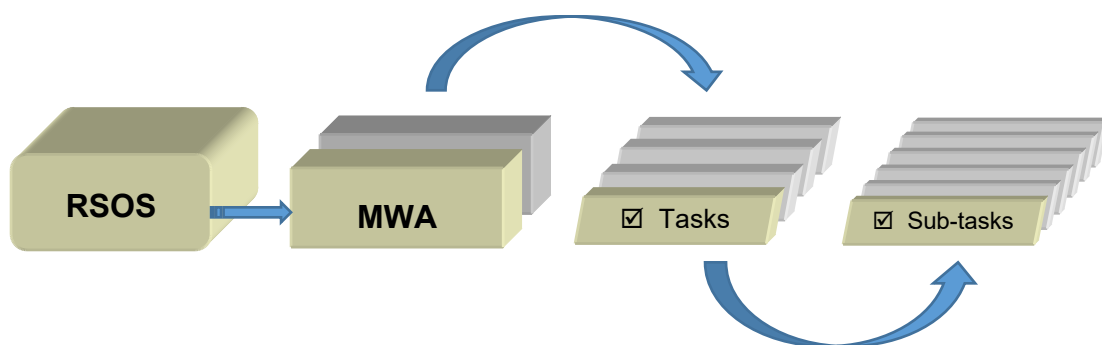
The RSOS was introduced in 2015 and is now taking the place of the NOA. Each RSOS or NOA sets the standard for a Red Seal trade. The Red Seal Inter-provincial Examination is based on the Red Seal Standard.

The new standards provide greater consistency in learning resources and allow for increased industry involvement in the development of these standards. This new model places increases emphasis on apprenticeship training and assessing skills with industry learning objectives, outcomes and performance criteria.

The RSOS for each trade describes the tasks and sub-tasks; skills and knowledge requirements; summary of essential skills; safety information; trends affecting the trade; technical terms; names of tools and equipment; acronyms; learning objectives and outcomes; industry expected performance and essential skills related to each sub-task.

The RSOS is an excellent tool to use as you study for the Red Seal exam. RSOSs can be found at <http://www.red-seal.ca/resources/n.4.1-eng.html>

RSOS material is organized into the following categories: **MWA (Major Working Activity)**. The MWAs are further broken down into **TASKS** (*describes activities within an MWA*) and **SUB-TASKS** (*describe activities within a task – This is what the exam is based on*).

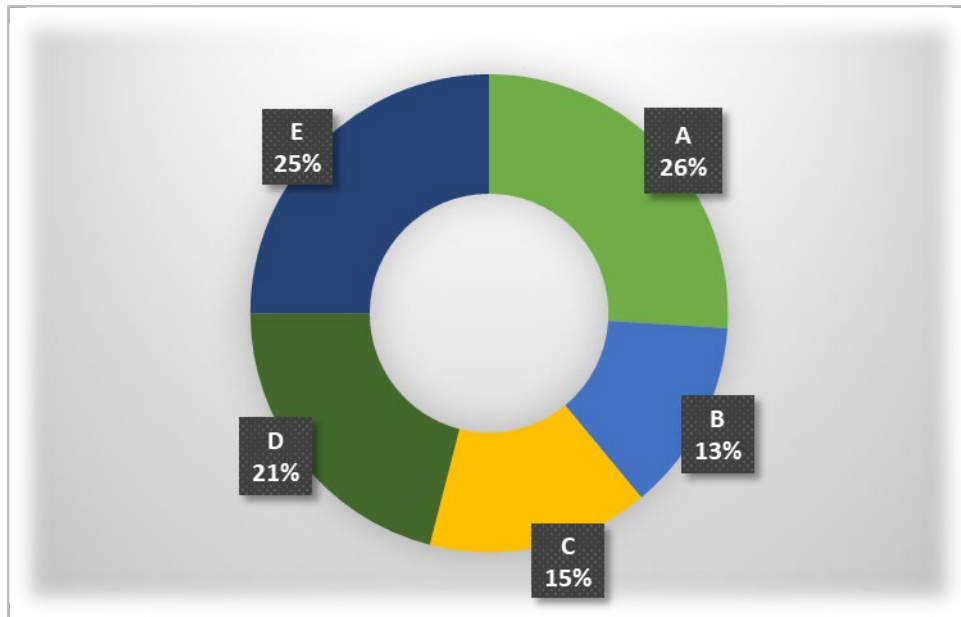


The NOA will continue to be used as the occupational standard for trades that do not yet have an RSOS developed.

RSOS Pie Chart

The RSOS Pie Chart presents the MWA percentages in the form of a pie chart which tells you the approximate number of questions from each MWA. For example, 26% of the questions on the **Powerline Technician** Exam will be based on **MWA A**.

Powerline Technician (Operating)



BLOCK TITLES			
MWA A	Performs Common Occupational Skills	MWA D	Installs Auxiliary Equipment
MWA B	Installs Structures	MWA E	Performs Operation, Maintenance and Repair
MWA C	Installs Conductor Systems		

Exam Breakdown

The **Powerline Technician** IP Red Seal Exam has 125 questions. The following table shows a breakdown of the approximate number of questions that come from each RSOS MWA. It is important to note that the number of questions can change at any time. When you are ready to write your exam, you may contact your regional office to verify the number of questions (See Appendix A).

		# of Questions
MWA A	Performs Common Occupational Skills	32
Task 1	Performs safety related functions	
Task 2	Uses and maintains tools and equipment	
Task 3	Organizes work	
Task 4	Accesses work area	
Task 5	Uses live-line methods	
Task 6	Uses communication and mentoring techniques	
MWA B	Installs Structures	16
Task 7	Installs pole structures	
Task 8	Installs steel lattice structures	
MWA C	Installs Conductor Systems	19
Task 9	Installs overhead conductors and cables	
Task 10	Installs underground and underwater cable	
MWA D	Installs Auxiliary Equipment	26
Task 11	Installs lighting systems	
Task 12	Installs voltage control equipment	
Task 13	Installs protection equipment	
Task 14	Installs metering equipment	
Task 15	Installs communication devices	
MWA E	Performs Operation, Maintenance and Repair	32
Task 16	Operates distribution and transmission systems	
Task 17	Maintains distribution and transmission systems	
Task 18	Repairs distribution systems	
Task 19	Repairs transmission systems	
Total		125

RSOS Sub-tasks

The following *RSOS Task Profile Checklist* outlines the MWAs, tasks and sub-tasks for your trade. The IP Red Seal exam is written to test your knowledge and abilities regarding the sub-tasks in the RSOS. This chart can be used to review your current knowledge. You can review by placing a checkmark (✓) next to those you understand fully.

Place your focus on those you do not understand and study them until you are comfortable with the material. Think of possible questions in that particular content area.

The RSOS also contains a list of “supporting knowledge and abilities” for each sub-task. They are the skills and knowledge you must have to perform a sub-task. The supporting knowledge and abilities identified under each sub-task will be very helpful as you review. The list can be found in the RSOS for your trade.

Task Profile Checklist Based on 2019 RSOS Powerline Technician

MWA A: Performs Common Occupational Skills

Task 1: Performs safety related functions

Sub-Tasks

- Uses personal protective equipment (PPE) and safety equipment
- Controls power line hazards
- Controls environmental hazards
- Performs lock-out and tag-out procedures
- Performs temporary grounding and bonding procedures

Task 2: Uses and maintains tools and equipment

Sub-Tasks

- Uses hand, power and powder-actuated tools and equipment
- Uses electrical measuring and testing equipment
- Uses rigging, hoisting and lifting equipment

Task 3: Organizes Work

Sub-Tasks

- Interprets plans, drawings and specifications
- Prepares worksite
- Plans job tasks and procedures

Task 4: Accesses work area

Sub-Tasks

- Climbs poles and steel lattice structures
- Uses access equipment
- Uses on and off road equipment

Task 5: Uses live-line methods

Sub-Tasks

- Uses cover up
- Uses rubber gloves
- Uses bare-hand methods (**NOT COMMON CORE**)
- Uses fiberglass reinforced plastic (FRP) tools (hot sticks)

Task 6: Uses communication and mentoring techniques

Sub-Tasks

- Uses communication techniques
- Uses mentoring techniques

MWA B: Installs Structures

Task 7: Installs pole structures

Sub-Tasks

- Frames pole structures
- Sets pole structures
- Installs pole structure guys and anchors

Task 8: Installs steel lattice structures

Sub-Tasks

- Assembles steel lattice structures
- Erects steel lattice structures
- Installs steel lattice structure guy wires and anchors

MWA C: Installs Conductor Systems

Task 9: Installs overhead conductors and cables

Sub-Tasks

- Strings overhead conductors and cables
- Sags overhead conductors and cables
- Ties-in overhead conductors and cables
- Installs splices and connections to overhead conductors and cables

Task 10: Installs underground and underwater cable

Sub-Tasks

- Installs conduit and cable
- Places direct buried cable
- Splices underground and underwater cable
- Terminates underground and underwater cable

MWA D: Installs Auxiliary Equipment

Task 11: Installs lighting systems

Sub-Tasks

- Installs street lights
- Maintains street lights

Task 12: Installs voltage control equipment

Sub-Tasks

- Installs transformers
- Installs capacitors
- Installs voltage regulators
- Installs switches
- Installs reactors (**NOT COMMON CORE**)

Task 13: Installs protection equipment

Sub-Tasks

- Installs reclosers
- Installs sectionalizers
- Installs fuses
- Installs lightning arrestors

Task 14: Installs metering equipment

Sub-Tasks

- Installs primary metering equipment
- Installs secondary metering equipment

Task 15: Installs communication devices

Sub-Tasks

- Installs cellular antennas
- Transfers communication lines

MWA E: Performs Operation, Maintenance and Repair

Task 16: Operates distribution and transmission systems

Sub-Tasks

- Operates transmission systems
- Operates distribution systems
- Performs station switching

Task 17: Maintains distribution and transmission systems

Sub-Tasks

- Inspects distribution and transmission systems
- Maintains pole structures
- Maintains steel lattice structures
- Maintains system components
- Trims trees

Task 18: Repairs distribution systems

Sub-Tasks

- Troubleshoots overhead distribution systems
- Troubleshoots underground and underwater distribution systems
- Repairs overhead distribution systems
- Repairs underground and underwater distribution systems

Task 19: Repairs transmission systems

Sub-Tasks

- Troubleshoots overhead transmission systems
- Troubleshoots underground and underwater transmission systems
- Repairs overhead transmission systems
- Repairs underground and underwater transmission systems

Create a Study Plan

As you prepare for your exam, it is important to plan a schedule. The following two tables will help you stay on track.

The first table is a **“Weekly Study Plan.”** In this table list the areas you will focus your study for each day. You should include items you need to review as well as items you need to study. Remember, more time will be needed for study in areas you find difficult, whereas you may only require review in areas you are more familiar with. As you work through the RSOS sub-task list you can start to fill in this table.

The second table is a **“Study Time Table.”** It is important to create a study schedule where you determine the best days of the week and times of day for you to study.

Print several copies of these tables and fill out for each week of study. It is important to stick to your study schedule.

Weekly Study Plan for Week of: _____

	Area of Study 1	Area of Study 2	Area of Study 3	Area of Study 4	Area of Study 5	Area of Study 6
Mon.						
Tues.						
Wed.						
Thu.						
Fri.						
Sat.						
Sun.						

Study Time Table for Week of: _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:00 AM - 9:00 AM							
9:00 AM - 10:00 AM							
10:00 AM - 11:00 AM							
11:00 AM - 12:00 Noon							
12:00 Noon - 1:00 PM							
1:00 PM - 2:00 PM							
2:00 PM - 3:00 PM							
3:00 PM - 4:00 PM							
4:00 PM - 5:00 PM							
5:00 PM - 6:00 PM							
6:00 PM - 7:00 PM							
7:00 PM - 8:00 PM							

Resources - Websites

Study information can be drawn from a variety of sources. A sample list of study materials (websites and books) is provided below. These and other helpful resources may be found in a local college bookstore, on the internet, or at your place of employment. You may also be able to borrow them from an apprentice or journey person in your trade.

Study Strategies and Exam Preparation Guide

The *Study Strategies & Exam Preparation Guide* is meant to be used in conjunction with this study guide. It provides direction and information on such areas as study habits, test preparation and test taking techniques.

<https://www.gov.nl.ca/atcd/apprentices-youth/self-study/study-guides/>

Plan of Training (POT)

A *Provincial Plan of Training* details the full scope of learning for a particular occupation, including both technical training competencies and industry experiences necessary to write an IP Red Seal exam (and complete the requirements for Red Seal Certification), or to write a provincial examination. The Plan of Training is based on the RSOS.

<https://www.gov.nl.ca/atcd/designated-trades/pots-aacs/>

Red Seal Website

Red Seal is a program that sets common standards to evaluate the skills of tradespeople across Canada. It is a partnership between the Federal Government and the provinces/territories.

The Red Seal model has been based on the National Occupational Analyses (NOA) which supports the development of multiple-choice examinations. A new Red Seal Occupational Standard (RSOS) was introduced in 2019 and is taking the place of the NOA.

<https://www.red-seal.ca/>

Powerline Technician PRACTICE Exam

This is **NOT** an IP exam. This is a practice exam provided by the Inter-provincial Standards Red Seal Program. It was developed using similar question types to that of a Red Seal exam. The exam is intended to be used for self-assessment in preparation for writing an IP Exam.

<https://www.red-seal.ca/eng/s.1mpl.2.2x.1mQ.5.2st.3.4ns.shtml?tid=194>

Red Seal Exam Self-Assessment Guide

Use this self-assessment tool to rate your own understanding and experience with the tasks of the trade that are on the Red Seal examination:

https://www.red-seal.ca/_conf/assets/custom/docms/powerline-tech/self-assessment.pdf

Glossary of Terms

This Red Seal website lists a Glossary of Terms which will be helpful in preparing for your IP exam!

www.red-seal.ca/trades/powerlinetech/2013n.4.1_.1ppb_gl.4ss.1ry-eng.html

Acronyms

The Red Seal website lists Acronyms which will be helpful in preparing for your IP exam:

http://www.red-seal.ca/trades/powerlinetech/2013n.4.1_.1ppc_.1cr.4nym-eng.html

List of Tools and Equipment

The Red Seal website shows a list of Tools and Equipment which will be helpful in preparing for your IP exam:

http://www.red-seal.ca/trades/powerlinetech/2013n.4.1_.1pp.1_t.4.4ls-eng.html

Resources – Book List

You can use this list to help you obtain information on specific topics. It is not necessary to use these books specifically, as you may find others that will be equally beneficial.

Book	Block A	Block B	Block C	Block D	Block E
Delmar's Standard Text of Electricity, 4 th edition	✓	✓	✓	✓	✓
The Guide Book for Lineman's and Cableman's Handbook	✓	✓	✓	✓	✓
Practical Problems in Mathematics for Electricians, 6 th edition	✓		✓	✓	
The Field Guide for Powerline Workers, 1 st edition	✓	✓	✓	✓	✓
Electrical Essentials for Powerline Workers, 2 nd edition	✓	✓	✓	✓	✓
Distribution Transformer Handbook, 4 th edition				✓	✓
Hot Stick Manual	✓				✓

If you wish to obtain any of the resources listed above, here is the reference information:

- Delmar's Standard Text of Electricity*, 4th edition, Delmar Publishers, 2008, Herman, S., ISBN 978-1418065805
- The Guide Book for Lineman's and Cableman's Handbook*, McGraw-Hill, Mack, J., and Shoemaker, T.M., ISBN 978-0071467896
- Practical Problems in Mathematics for Electricians*, 6th edition, Delmar Publishers, 2001, Herman, S., ISBN 978-0766838970
- The Field Guide for Powerline Workers*, 1st edition, Delmar Publishers, 2006, Soelen, W.V., ISBN 978-1418014872
- Electrical Essentials for Powerline Workers*, 2nd edition, Delmar Publishers, 2004, Soelen, W.V., ISBN 978-1401883584
- Distribution Transformer Handbook*, 4th edition, Alexander Publications, Item #774
- Hot Stick Manual*, A.B. Chance Company, Product Code #100, UPC #09635906801, www.hubbellcatalog.com/hps/datasheet.asp?PN=100&FAM=hot_line_tools

Disclaimer

Various external resources (websites, textbooks) have been listed in this study guide to assist an individual in preparing to write an IP Red Seal Exam. This does not mean the Department of Immigration, Population Growth and Skills, Newfoundland and Labrador endorses the material or that these are recommended as the best resources. There may be other resources of equal or greater value to an individual preparing for an IP Red Seal exam. The Department of Immigration, Population Growth and Skills has no control over the content of external textbooks and websites listed, and no responsibility is assumed for the accuracy of the material.

Conclusion

We hope this guide has provided you with some useful tools as you prepare for your IP Red Seal exam. If you have any questions regarding your IP Red Seal exam please contact your regional office (*see Appendix A for a list of regional offices*).

We appreciate your comments and feedback regarding the usefulness of this study guide. If you have any comments or suggestions, we welcome your feedback. The feedback form at the end of this guide can be used for this purpose.

Appendix A: Regional Offices

If you have any questions regarding your IP Red Seal exam, please contact one of the following regional offices:

Department of Immigration, Population Growth and Skills
Apprenticeship and Trades Certification Division
Toll Free: 1-877-771-3737

<https://www.gov.nl.ca/atcd/contact-us/staff-listing-and-office-locations/>

Corner Brook

1-3 Union Street
Aylward Building, 2nd Floor
Corner Brook, NL A2H 5M7

Telephone: (709) 637-2366
Facsimile: (709) 637-2519

Grand Falls-Windsor

42 Hardy Avenue
Grand Falls-Windsor, NL
A2A 2J9

Telephone: (709) 292-4215
Facsimile: (709) 292-4502

Clareville

45 Tilley's Road
Clareville, NL
A5A 1Z4

Telephone: (709) 466-3982
Facsimile: (709) 466-3987

St. John's

P.O. Box 8700
1170 Topsail Road
Mount Pearl, NL A1B 4J6

Telephone: (709) 729-5688
Facsimile: (709) 729-5878

Happy Valley – Goose Bay

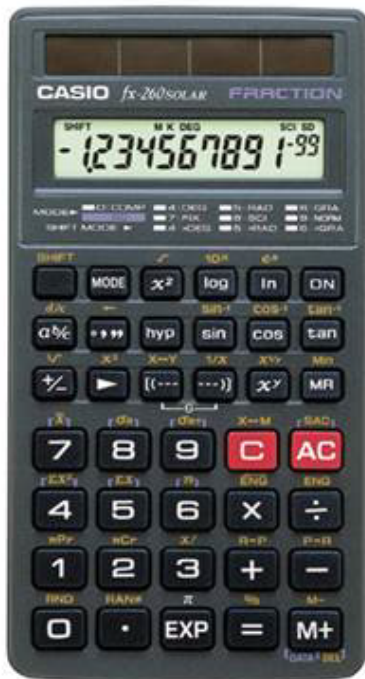
163 Hamilton River Road
Burse Building
Happy Valley – Goose Bay, NL
A0P 1E0

Telephone: (709) 896-6348
Facsimile: (709) 896-3733

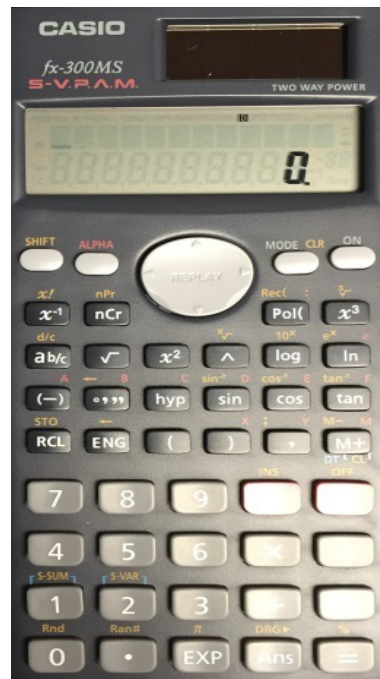
Appendix B: Calculator Use

The picture below shows a calculator with the same functions as the one you will be provided with during your exam. It is advisable to borrow or purchase one with similar functions so that you can familiarize yourself with it before you write your exam.

Casio FX-260



Casio FX-300 MS



Appendix C: Answer Sheet Example

With your exam you will be given an answer sheet like the one below. When answering multiple choice questions be sure to fill the circle completely and fill the circle that corresponds to the question on the exam.

Dual readhead scanner required to score this sheet

KEY ID
 A B C D

SCORING & PRINTING OPTIONS:
 RESCORE MULTIPLE ANSWER SCORING
 This sheet always uses the "Total Only" scoring option.

1 T F 1 A B C D E 26 T F 26 A B C D E 51 T F 51 A B C D E 76 T F 76 A B C D E
 2 A B C D E 27 A B C D E 52 A B C D E 77 A B C D E
 3 A B C D E 28 A B C D E 53 A B C D E 78 A B C D E
 4 A B C D E 29 A B C D E 54 A B C D E 79 A B C D E
 5 A B C D E 30 A B C D E 55 A B C D E 80 A B C D E
 6 A B C D E 31 A B C D E 56 A B C D E 81 A B C D E
 7 A B C D E 32 A B C D E 57 A B C D E 82 A B C D E
 8 A B C D E 33 A B C D E 58 A B C D E 83 A B C D E
 9 A B C D E 34 A B C D E 59 A B C D E 84 A B C D E
 10 A B C D E 35 A B C D E 60 A B C D E 85 A B C D E
 11 A B C D E 36 A B C D E 61 A B C D E 86 A B C D E
 12 A B C D E 37 A B C D E 62 A B C D E 87 A B C D E
 13 A B C D E 38 A B C D E 63 A B C D E 88 A B C D E
 14 A B C D E 39 A B C D E 64 A B C D E 89 A B C D E
 15 A B C D E 40 A B C D E 65 A B C D E 90 A B C D E
 16 A B C D E 41 A B C D E 66 A B C D E 91 A B C D E
 17 A B C D E 42 A B C D E 67 A B C D E 92 A B C D E
 18 A B C D E 43 A B C D E 68 A B C D E 93 A B C D E
 19 A B C D E 44 A B C D E 69 A B C D E 94 A B C D E
 20 A B C D E 45 A B C D E 70 A B C D E 95 A B C D E
 21 A B C D E 46 A B C D E 71 A B C D E 96 A B C D E
 22 A B C D E 47 A B C D E 72 A B C D E 97 A B C D E
 23 A B C D E 48 A B C D E 73 A B C D E 98 A B C D E
 24 A B C D E 49 A B C D E 74 A B C D E 99 A B C D E
 25 A B C D E 50 A B C D E 75 A B C D E 100 A B C D E

ANSWER KEY INFO.
 # OF KEYS
 ITEM COUNT

1	0	0	2
1	1	1	3
2	2	2	4
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

PERFORMANCE ASSESSMENT
 % OF TOTAL SCORE
 POINTS EARNED

100 = 100%			
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

Bar Code

NUMBER CORRECT

PERCENT CORRECT

ROSTER NUMBER

SCORE

RESCORE

COMBINED POINTS EARNED

COMBINED PERCENT CORRECT

LETTER GRADE

SCORE

RESCORE

200 ITEM

MARKING INSTRUCTIONS
 Use a No. 2 Pencil
 Fill oval completely
 Erase cleanly

STUDENT ID NUMBER

0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

NAME _____

SUBJECT _____

PERIOD _____ DATE _____

Feedback Form

Study Guide – Powerline Technician

Please answer the following:

- (1) This Study Guide is a useful tool for exam preparation.
 strongly agree agree disagree strongly disagree

- (2) The topics contained in the guide are arranged in a logical order.
 strongly agree agree disagree strongly disagree

- (3) The design and format of the guide caught my attention.
 strongly agree agree disagree strongly disagree

- (4) The instructions throughout the guide are clear and to the point.
 strongly agree agree disagree strongly disagree

- (5) The resources listed in this guide are suitable and valuable.
 strongly agree agree disagree strongly disagree

- (6) The guide should contain more information.
 strongly agree agree disagree strongly disagree

Suggested information/resources to include:

Additional Comments:

Please complete this form and return via fax or mail to the following:

Department of Immigration, Population Growth and Skills
Apprenticeship and Trades Certification Division
Standards and Curriculum Unit
45 Tilley's Road, Clarenville, NL A5A 1Z4
Fax: (709) 466-3987

