SKILLEDTRADES^{BC}

Personal Record Book Marine Electrician Endorsement

This is your Record Book!

DO NOT SUBMIT TO SKILLEDTRADESBC

This is not required to achieve certification

- It is a record of your progress towards achieving certification in the trade
- It provides a record of your experience
- It is your responsibility to keep it up-todate
- Take it with you if you change employers

Note: Employers and supervisors are not responsible for keeping your Record Book up-to-date. They are responsible for sign-off of hours and sign-off of competencies once you have achieved the required level of skills and knowledge.

APPRENTICE IDENTIFICATION

Trade: MARINE ELECTRICIAN ENDORSEMENT

Legal First Name:		Legal Last Name:	
Suite Number:	Street Number and	Name:	
City:		Province:	Postal Code:
Telephone Number:		Email Address:	

Work Safely!

A safe work attitude contributes to an accident free environment. Accident prevention and safe working conditions are the responsibility of both employers and employees.

Wear the required personal protective equipment, follow safe work practices and follow all safety regulations applicable to specific job activities.

Employer's responsibilities:

- Provide and maintain safety equipment and protective devices
- Ensure proper safe work clothing is worn
- Enforce safe work procedures
- Provide safeguards for machinery, equipment and tools
- Observe all accident prevention regulations
- Train employees in safe use and operation of equipment

Employee's responsibilities:

- Work in accordance with the safety regulations pertaining to job environment
- Work in such a way as not to endanger themselves or fellow workers.

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EMPLOYER INFORMATION

Originating Employer

Start Date:	End Date:
Employer:	
Contact Person:	
Address:	Phone:
	Email:
	Fax:
Supervisor/Journeyperson 1:	*TWID #:
	Phone:
	Email:
Supervisor/Journeyperson 2:	TWID #:
	Phone:
	Email:

*TWID # - Trade Worker Identification Number

If you have more than one employer during your apprenticeship, record the information for subsequent employers on the following page(s).

If your job ends or you change employers...

Before leaving your place of employment:

- Have your sponsor update your Work Based Training hours on their <u>SkilledTradesBC Portal account</u>.
- Update Record of Competencies with your supervisor.
- Confirm with your employer that your workplace hours have been reported to SkilledTradesBC, and if possible get a copy of all Work-Based Training Hours reports submitted.
- Notify SkilledTradesBC of the change in your employment by submitting an <u>Online</u> <u>Registration Request</u> with your new employer on the SkilledTradesBC Portal.

When re-employed...

You must be registered with your new employer before submitting any work-based training hours to SkilledTradesBC.

Subsequent Employers

Start Date:

Employer:	<u>'</u>
Contact Person:	
Address:	Phone:
ridaress.	
	Email:
	Fax:
Supervisor/Journeyperson 1:	TWID #:
	Phone:
	Email:
Supervisor/Journeyperson 2:	TWID #:
	Phone:
	Email:
Subsequent Employers	
Start Date:	End Date:
Employer:	
Contact Person:	
Address:	Phone:
	Email:
	Fax:
Supervisor/Journeyperson 1:	TWID #:

End Date:

Released: 08/2020 **Revised:** 02/2025

Supervisor/Journeyperson 2:

!: 08/2020 **5**

Phone:

Email:

TWID #:

Phone:

Email:

WORKPLACE HOURS

Instructions

Make an entry in this section each time your hours are reported to SkilledTradesBC.

- 1. Get a copy of the Workplace Hours Report from your employer.
- 2. Fill in the dates of the <u>reporting period</u> and the <u>hours</u> reported.
- 3. Enter your employer name, address and phone number.
- 4. Keep your Record Book in a safe place.

Workplace Hours

Workplace hours must be submitted to SkilledTradesBC by your employer on a regular basis. Your hours should be reported at least every six months; however, every three months is preferred.

At the beginning of your apprenticeship discuss the frequency of reporting with your employer.

Keeping Workplace hours up-to-date in your Record Book gives you the tools to better manage your apprenticeship. It provides you with the opportunity to:

- Follow up with your employer each reporting period to ensure your hours are reported on a regular basis.
- Discuss your progress with your direct supervisor/journeyperson on a regular basis.

DATE (TO-FROM)	EMPLOYER	HOURS
momat vicino		
TOTAL HOURS		

RECORD OF COMPETENCIES

Instructions

The Record of Competencies is filled out and signed-off by the journeyperson supervising your work.

- 1. Know what skills are expected at each level of the program.
- 2. Ask the journeyperson to sign off on the competency when you have acquired the skills and are able to perform the task without supervision.
- 3. If the journeyperson agrees that you have the required skills, he/she will:
 - Record the date that the competency was achieved
 - Sign off on the competency
 - Enter his/her Trades Worker Identification Number (TWID #)

What is a Record of Competencies?

The Record of Competencies lists all competencies you should be knowledgeable in prior to receiving your certification. Keeping this section up to date will allow you to track your progress towards certification and demonstrate proficiency in the skills within the scope of your trade. Completion of the entire program should result in you becoming a skilled and knowledgeable journeyperson.

- Refer to this section periodically to ensure you are getting the work experience you need.
- Use the competencies as a guide to ensure work tasks are assigned so that you acquire the skills and knowledge required to be successful in the trade.

Review the Record of Competencies on a regular basis with your direct supervisor/journeyperson to ensure they have been completed.

Program Outline

The Program Outline provides detailed information on the scope of knowledge and skills expected at each level of the program, further defining the competencies listed in the Record Book. The Program Outline is a great resource for developing a training plan.

Download from: https://skilledtradesbc.ca/electrician-endorsement-marine

Apprenticeship Toolkit

For general information on apprenticeship and tips for navigating the apprenticeship system in BC visit SkilledTradesBC's website to learn about the *apprenticeship basics*.

MARINE ELECTRICIAN ENDORSEMENT

IMPORTANT!

Download the Program Outline!

https://skilledtradesbc.ca/electrician-endorsement-marine

Read the competency tables

Some competencies are taught in many levels

For detailed information about that competency, go to the Program Outline

THEORY

Use correct terminology for shipyar	ard structures, spaces, equipment and systems d fixtures and equipment shipboard and shipyard work environments
LINE B: MARINE WIRING METHO	DS
Describe marine cables and cable toDescribe corrosion protection methods	
LINE C: POWER GENERATION	
Describe the installation and maint Describe types of power generator process Describe main and auxiliary power Describe controls related to main and	protective relays generation systems
LINE D: POWER DISTRIBUTION	
 Describe transformer and panelboa Describe single line diagrams Describe equipment grounding and Describe types of switchboards four 	d ground detection systems

	Describe motor control centres found on vessels Describe shore power systems Describe different types of power systems
LINE	E E: SHIPBOARD SYSTEMS AND CONTROLS
	Describe types of shipboard systems and their principle operation Describe types of alarm systems and monitoring equipment Describe the components and principle operation of alarms and monitoring equipment Describe the principle operation of internal communication systems Describe the principles of cathodic protection Describe the components and integration of navigation systems Describe the operation of navigation systems Describe installation of batteries
LINE	F: TESTING AND TROUBLESHOOTING
	Describe routine testing and certification requirements Describe hi-pot and impulse testing Describe and interpret electrical single line drawings, layout drawings, schematics and wiring diagrams applicable to the marine industry

PRACTICAL

LINE	A: MARINE INDUSTRY KNOWLEDGE
	Describe and apply site or job specific regulations and standards related to electrical work in the shipbuilding and repair industry
LINE	B: MARINE WIRING METHODS
	Describe and demonstrate termination of cable shielding Describe and demonstrate packing of transits and deck tubes Describe and install wireways
LINE	D: POWER DISTRIBUTION
	Install and maintain power sources Describe, install and maintain temporary services Describe, install and service different types of lighting systems
LINE	E: SHIPBOARD SYSTEMS AND CONTROLS
	Describe and perform battery testing Replace batteries
LINE	F: TESTING AND TROUBLESHOOTING
	Describe and perform insulation megohm (Megger) testing
Superviso	or Signature

NOTES FROM MARINE ELECTRICIAN ENDORSEMENT
Note:

MISSING COMPETENCIES?

To develop the best journeyperson possible employers should attempt to provide training in all competencies for the trade. This is not always possible.

If your employer is unable to provide training in any competency required for your trade, note that competency below. Competencies listed here will remain unsigned until your employer can provide training in that area or until you find an alternate way to gain the experience needed.

Competency:	Date:
Reason:	
Alternate plan:	
Competency:	Date:
Reason:	
Alternate plan:	

TECHNICAL TRAINING

Instructions

Keep a record of each level of technical training completed.

Marine Electrician Endorsement

Date Completed:	Training Provider:
Mark:	Instructor:

Revised: 02/2025

COMPLETION REQUIREMENTS

Instructions

Keep a record of each program completion requirement achieved.

MARINE ELECTRICIAN ENDORSEMENT

√	Construction Electrician Certificate of Qualification or
√	Industrial Electrician Certificate of Qualification
	Marine Electrician Endorsement - Technical Training
	1,680 Work-Based Training Hours
_	SkilledTradesBC Standardized Written examination Recommendation for Certification signed by sponsor

Note: After all other completion requirements have been met, SkilledTradesBC sends a Recommendation for Certification form to the sponsor requesting signoff.

CERTIFICATIONS

Instructions

Keep a record of the credentials and endorsements you have earned, including the certification number and date of issue.

CREDENTIAL EARNED	NUMBER	DATE OF ISSUE

If you have any questions, please contact SkilledTradesBC Customer Service at <u>customerservice@skilledtradesbc.ca</u>
778-328-8700 or toll free (within BC) at 1-800-660-6011