EAPPRENTICESHIP Iogbook

Industrial Electrician



ita YOUR TICKET.

APPRENTICE IDENTIFICATION

Trade:	Industrial Electrician		
Name:			
	Individual Identification Number	Contract Number	
Address:			
Phone:		Email:	

This is your Logbook!

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

Employers and supervisors are not responsible for keeping your logbook up-to-date. They are responsible for sign-off of hours submitted and sign-off of competencies once the required level of skills and knowledge is achieved.

March 2013

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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:

- Providing and maintaining safety equipment and protective devices
- Ensuring proper safe work clothing is worn
- Enforcing safe work procedures
- Providing safeguards for machinery, equipment and tools
- Observing all accident prevention regulations
- Training employees in safe use and operation of equipment.

Employee's Responsibilities:

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



CONTENTS

USING THE LOGBOOK	2
EMPLOYER INFORMATION	3
WORKPLACE HOURS	6
RECORD OF COMPETENCIES	-
Level 1 and Level 2	17
Level 3	18
Level 4	
Workplace Electives	
Missing competencies	
TECHNICAL TRAINING AND CERTIFICATIONS	29
Technical training	29
Certifications	30
COMPLETION REQUIREMENTS	
NOTES	32

USING THE LOGBOOK

Employer Information:	Information about your current employer.
Workplace Hours:	Each time your employer reports your hours to the ITA record the hours here. Have it verified and signed off by your employer.
Record of Competencies:	This is a record of competencies you have achieved. For each competency listed, get sign-off when you are able to perform the task without supervision. Competencies are arranged by level.
Missing Competencies:	If your employer is unable to provide training in any competency note it here. Use this as a reminder that you may need to find an alternate way to gain work experience in this area(s).
Technical Training:	Record each level of technical training completed.
Certifications and Endorsements:	Keep a record of the certifications and endorsements you have earned.
Completion Requirements:	This is a list of completion requirements for your apprenticeship program. All completion requirements must be met before a certification will be issued.

Important Resources

Industrial Electrician Evidence Guide

Use the Industrial Electrician Evidence Guide to track work experience demonstrating that you have achieved the required level of knowledge and skill to be considered competent in each area. Your Workplace Assessor will review the evidence you have compiled and will sign off when you meet the criteria. Download from: <u>www.rtobc.ca</u>

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 this logbook. The Program Outline is a great resource for creating a training plan. Download from: <u>www.itabc.ca</u>

RTO's Apprenticeship Toolkit

For general information on apprenticeship and tips for navigating the apprenticeship system in BC, visit RTO's Apprenticeship Toolkit website. <u>www.apprenticeshiptoolkit.ca</u>



EMPLOYER INFORMATION

Originating Employer

Start Date:	End Date:

Employer:

Contact Person:

Address:	Phone:	
	Email:	
	Fax:	
Supervisor/Journeyperson 1:	Individual ID #:	
	Phone:	
	Email:	
Supervisor/Journeyperson 2:	Individual ID #:	
	Phone:	
	Email:	

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:

- Get your Assessor to review the evidence you have recorded in your Evidence Guide and get sign-off in your logbook for the competencies completed.
- Confirm that your workplace hours are reported to the ITA get a copy of the Workplace Hours Report from your employer get sign-off in your logbook.
- Notify the ITA of the change in your employment.

When re-employed...

You and your new employer must first register the apprenticeship with the ITA before the employer can report any hours to the ITA.

EMPLOYER INFORMATION

Subsequent Employers

-	
Start Date:	End Date:

Employer:

Contact Person:

Address:	Phone:
	Email:
	Fax:
Supervisor/Journeyperson 1:	Individual ID #:
	Phone:
	Email:
Supervisor/Journeyperson 2:	Individual ID #:
	Phone:
	Email:
Start Date:	End Date:

Employer:

Contact Person:

Address:	Phone:
	Email:
	Fax:
Supervisor/Journeyperson 1:	Individual ID #:
	Phone:
	Email:
Supervisor/Journeyperson 2:	Individual ID #:
	Phone:
	Email:



Subsequent Employers

Find Data:	
End Date:	
Phone:	
Email:	
Fax:	
Individual ID #:	
Phone:	
Email:	
Individual ID #:	
Phone:	
Email:	
End Date:	
	Email: Fax: Individual ID #: Phone: Email: Individual ID #: Phone: Email:

Employer:

Contact Person:

Address:	Phone:
	Email:
	Fax:
Supervisor/Journeyperson 1:	Individual ID #:
	Phone:
	Email:
Supervisor/Journeyperson 2:	Individual ID #:
	Phone:
	Email:

WORKPLACE HOURS

Instructions

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

- 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. Complete the <u>Self-Assessment</u> section.
 - Under Job Activities highlight any key projects or accomplishments
 - Under *Goals Met* indicate if training is on track with your training plan
 - Rate your Performance
- 5. Review your self-assessment with your supervisor/journeyperson, make adjustments as required and obtain sign-off.
- 6. Review the completed record with your employer and obtain sign-off.
- 7. Keep your Logbook in a safe place.

Workplace Hours

Workplace hours are submitted to the ITA 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 Logbook gives you the tools to better manage your apprenticeship. It provides you with the opportunity to:

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



REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory	
	Supervisor/Journeyperson's Signature Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory	
	Supervisor/Journeyperson's Signature Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory	
	Supervisor/Journeyperson's Signature Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period:	
	Yes	
	No	
	Performance:	
	Satisfactory	
	Unsatisfactory	
	Supervisor/Journeyperson's Signature	
	Employer's Signature	
	Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory	
	Supervisor/Journeyperson's Signature Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period:	
	Yes	
	No	
	Performance:	
	Satisfactory	
	Unsatisfactory	
	Supervisor/Journeyperson's Signature	
	Employer's Signature	
	Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory	
	Supervisor/Journeyperson's Signature Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period:	
	Yes	
	No	
	Performance:	
	Satisfactory	
	Unsatisfactory	
	Supervisor/Journeyperson's Signature	
	Employer's Signature	
	Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory Supervisor/Journeyperson's Signature	
	Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory	
	Supervisor/Journeyperson's Signature Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period:	
	Yes	
	No	
	Performance:	
	Satisfactory	
	Unsatisfactory	
	Supervisor/Journeyperson's Signature	
	Employer's Signature	
	Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period:	
	Yes	
	No	
	Performance:	
	Satisfactory	
	Unsatisfactory	
	Supervisor/Journeyperson's Signature	
	Employer's Signature	
	Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory Supervisor/Journeyperson's Signature	
	Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period: Yes No Performance: Satisfactory Unsatisfactory	
	Supervisor/Journeyperson's Signature Employer's Signature Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period:	
	Yes	
	No	
	Performance:	
	Satisfactory	
	Unsatisfactory	
	Supervisor/Journeyperson's Signature	
	Employer's Signature	
	Apprentice's Signature	

REPORTING PERIOD		HOURS
From:	То:	
Employer Name:		
Address:		
Phone:		
SELF-ASSESSMENT		
Job Activities:	Goals met for this reporting period:	
	Yes	
	No	
	Performance:	
	Satisfactory	
	Unsatisfactory	
	Supervisor/Journeyperson's Signature	
	Employer's Signature	
	Apprentice's Signature	

RECORD OF COMPETENCIES

Instructions

The Record of Competencies lists all competencies required to complete your apprenticeship. Completion of the entire program should result in you becoming a skilled and knowledgeable journeyperson. Workplace competencies must be signed off by a Registered Assessor.

- 1. Know the level of skills and knowledge expected at each level of the program.
- 2. Theory competencies are listed but do not require sign-off.
- 3. Workplace competencies are assessed in the workplace and require sign-off.
 - All Workplace Compulsory competencies must be completed
 - A minimum of 35 credits must be completed from Workplace Electives
- The Evidence Guide describes the criteria required for sign-off of each competency. Record relevant work activities in the Evidence Guide. It will be used as part of your assessment.
- 5. When you have recorded sufficient evidence to demonstrate that you have met the criteria, review it with your Workplace Assessor.
- 6. Once you meet the criteria the Workplace Assessor will sign-off on that competency in your logbook.

What is the Evidence Guide?

The industrial electrician Evidence Guide describes the criteria set by industry for completion of each competency. It provides a location to record your work experience demonstrating that you have met the criteria.

Your Workplace Assessor will review the evidence you have compiled as part of their assessment prior to signing off on competencies.

IMPORTANT!

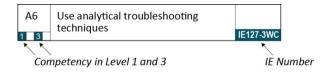
Download the Program Outline and the Evidence Guide!

Available on the ITA website <u>www.itabc.ca</u> and the RTO website <u>www.rtobc.com</u>

Reading the competency tables

Competencies are listed for each level of the apprenticeship program. The level(s) in which a competency appears is indicated on the left side of the table. Detail of the skills and knowledge expected for each competency at each level is described in the Program Outline.

All competencies show the IE number, which identifies the competency in the Evidence Guide.



Levels do not apply to Workplace Elective Competencies, so this location in the table has been used to show the number of credits granted towards certification.

L6	Install and maintain wheel motors	
credits 9		IE204-9WE
,		

Credits granted



LEVEL 1 AND LEVEL 2

Technical training for Level 1 and Level 2 is identical for Industrial Electrician and Construction Electrician (common core). Refer to the Construction Electrician (Electrician) Program Outline for further detail on common core content.

Level 1 and 2 – Workplace Compulsory Competencies

Assessed in the workplace – sign-off by a Registered Workplace Assessor required.

LINE	LINE B SAFE WORK PRACTICES				
	Competency	Date	Workplace Assessor	ID #	
B2	Apply WCB standards and regulations				
1		IE102-1WC			
B3	Apply safe work practices				
		IE103-1WC			
1		IE106-1WC			

LINE	LINE C TOOLS AND EQUIPMENT				
	Competency	Date	Workplace Assessor	ID #	
C1	Use hand tools				
1		IE114-1WC			
C8	Use pneumatic and hydraulic tools				
1		IE115-1WC			

LINE	INE G CEC, REGULATIONS AND STANDARDS				
	Competency	Date	Workplace Assessor	ID #	
G2	Apply the CEC to installations				
12		IE108-1WC			

LINE	I ELECTRICAL EQUIPMENT			
	Competency	Date	Workplace Assessor	ID #
11	Install lighting and electrical equipment	IE132-2WC		
2		IE146-2WC		



RECORD OF COMPETENCIES

LEVEL 3

Level 3 – Theory Competencies

Assessed during technical training – sign-off not required.

LINE	D CIRCUIT CONCEPTS				
D6	Demonstrate knowledge of three-phase theory				
LINE	LINE J CONTROL CIRCUITS				
J3	Demonstrate knowledge of AC motor controls				
LINE	L ELECTRIC MOTORS				
L1	Demonstrate knowledge of AC machines				
L2	Demonstrate knowledge of DC machines				
LINE	M PROGRAMMABLE LOGIC CONTROLLERS				
M1	Demonstrate and apply knowledge of PLC operation, installation and maintenance				
М2	Demonstrate and apply knowledge of communication buses and PLC interfaces				
M3	Demonstrate knowledge of programming language and of installing/maintaining PLC software				
LINE	N POWER DISTRIBUTION SYSTEMS				
N1	Demonstrate knowledge of installation and maintenance of transformers				
N2	Calculate power factor correction				
LINE	LINE S ELECTRONICS				
<i>S</i> 1	Demonstrate knowledge of electronics				
S2	Demonstrate knowledge of semiconductor power devices				



Level 3 – Workplace Compulsory Competencies

Assessed in the workplace – sign-off by a Registered Workplace Assessor required.

LINE	LINE A ESSENTIAL SKILLS					
	Competency	Date	Workplace Assessor	ID #		
A6	Use analytical troubleshooting techniques	IE127-3WC				
A8	Lead teams and manage electrical installation and maintenance projects	IE125-3WC				

LINE	B SAFE WORK PRACTICES			
	Competency	Date	Workplace Assessor	ID #
B7	Follow safe procedures for working in confined spaces	IE105-3WC		

LINE	C TOOLS AND EQUIPMENT			
	Competency	Date	Workplace Assessor	ID #
C6	Use safe rigging techniques			
3		IE104-3WC		

LINE	E TEST EQUIPMENT			
	Competency	Date	Workplace Assessor	ID #
E4	Use phase rotation meter			
3		IE130-3WC		

LINE	LINE H LOW VOLTAGE DISTRIBUTION SYSTEMS			
	Competency	Date	Workplace Assessor	ID #
H8	Install and maintain low voltage circuits	IE142-3WC		

LINE	K COMPUTER SYSTEMS			
	Competency	Date	Workplace Assessor	ID #
K1	Use computerized maintainance management systems and electronic logbooks	IE196-3WC		

RECORD OF COMPETENCIES

LINE	L ELECTRIC MOTORS			
	Competency	Date	Workplace Assessor	ID #
L4	Install and maintain AC motors			
3		IE151-3WC		

LINE	LINE M PROGRAMMABLE LOGIC CONTROLLERS				
	Competency	Date	Workplace Assessor	ID #	
M4	Install and maintain PLC hardware				
3		IE136-3WC			
M5	Install and maintain PLC networks				
3		IE137-3WC			
M6	Read and write programming language and install and maintain PLC software	IE139-3WC			



LEVEL 4

Level 4 – Theory Competencies

Assessed during technical training – sign-off not required.

LINE	E TEST EQUIPMENT
E5	Demonstrate knowledge of measurement and calibration test equipment
LINE	H LOW VOLTAGE DISTRIBUTION SYSTEMS
H9	Demonstrate knowledge of installing and terminating fibre optic cables
LINE	I ELECTRICAL EQUIPMENT
13	Demonstrate knowledge of installing and maintaining HVAC equipment
14	Demonstrate knowledge of pumps
15	Demonstrate knowledge of the installation and maintenance of Robotic Control Systems
LINE	K COMPUTER SYSTEMS
К2	Demonstrate and apply knowledge of network diagnostic tools
К3	Demonstrate and apply knowledge of communication protocols
LINE	N POWER DISTRIBUTION SYSTEMS
N3	Demonstrate knowledge of installation and maintenance of high voltage circuits
LINE	O POWER SUPPLIES
01	Demonstrate knowledge of back-up power equipment, UPS, battery banks and battery charging systems
LINE	P POWER GENERATION EQUIPMENT
Ρ1	Demonstrate knowledge of power generation controls and standby power generating systems
Р2	Describe co-generation principles and operations
Р3	Demonstrate knowledge of portable generator and portable electric welding equipment

Level 4 – Workplace Compulsory Competencies

Assessed in the workplace – sign-off by a Registered Workplace Assessor required.

LINE	F DRAWINGS AND MANUALS			
	Competency	Date	Workplace Assessor	ID #
F5	Design and draw electrical and electronic drawings	IE119-4WC		

LINE	I ELECTRICAL EQUIPMENT			
	Competency	Date	Workplace Assessor	ID #
16	Install and maintain HVAC equipment			
4		IE157-4WC		

LINE J CONTROL CIRCUITS				
	Competency	Date	Workplace Assessor	ID #
J5	Install and maintain motor control, voltage control and power distribution centers	IE155-4WC		
J6	Install and maintain variable frequency drives (VFD)	IE179-4WC		

LINE	O POWER SUPPLIES			
	Competency	Date	Workplace Assessor	ID #
03	Install and maintain a UPS system			
4		IE183-4WC		
04	Install and maintain batteries			
4		IE184-4WC		

LINE	LINE P POWER GENERATION EQUIPMENT				
	Competency	Date	Workplace Assessor	ID #	
P7	Install and maintain power generation controls	IE162-4WC			
P8	Install and maintain power generator protective relays	IE163-4WC			



LINE	LINE Q CONTROL AND MONITORING SYSTEMS AND DEVICES				
	Competency	Date	Workplace Assessor	ID #	
Q3	Install and maintain process contol hardware	IE172-4WC			
Q4	Install and maintain signal, communication and alarm systems	IE185-4WC			

RECORD OF COMPETENCIES

WORKPLACE ELECTIVES

Completion of 35 credits (minimum).

Assessed in the workplace – sign-off by a Registered Workplace Assessor required.

LINE	B SAFE WORK PRACTICES			
	Competency	Date	Workplace Assessor	ID #
B6	Use jumpers and forces safely			
credits 3		IE109-9WE		

LINE	LINE C TOOLS AND EQUPMENT				
	Competency	Date	Workplace Assessor	ID #	
C4	Use powder actuated tools				
credits 1		IE197-9WE			
C7	Use liquid-fuel powered tools				
credits 1		IE199-9WE			
C9	Operate personnel lifting devices				
credits 1		IE198-9WE			

LINE	LINE G CEC, REGULATIONS AND STANDARDS				
	Competency	Date	Workplace Assessor	ID #	
G4	Access and comply with mining electrical regulations				
credits 2	clectrical regulations	IE211-9WE			
G5	Demonstrate and apply knowledge of onshore pipeline regulations				
credits 2	or onshore pipeline regulations	IE218-9WE			

LINE	LINE I ELECTRICAL EQUIPMENT				
	Competency	Date	Workplace Assessor	ID #	
17	Install and maintian pumps				
credits 2		IE159-9WE			
18	Maintain electronic precipitators				
credits 5		IE195-9WE			
19	Install and maintain Robotic Control Systems				
credits 3	0,000110	IE177-9WE			



LINE	LINE J CONTROL CIRCUITS			
	Competency	Date	Workplace Assessor	ID #
J7	Install and maintain DC drive systems			
credits 9		IE180-9WE		
J8	Install and maintain wound rotor drives			
credits 7		IE200-9WE		

LINE	K COMPUTER SYSTEMS			
	Competency	Date	Workplace Assessor	ID #
K4 credits 3	Install and maintain computer networks	IE149-9WE		

LINE L ELECTRIC MOTORS					
	Competency	Date	Workplace Assessor	ID #	
L5 credits 9	Install and maintain DC electric motors	IE193-9WE			
L6	Install and maintain wheel motors				
credits 9		IE204-9WE			

LINE	LINE N POWER DISTRIBUTION SYSTEMS				
	Competency	Date	Workplace Assessor	ID #	
N4	Install and maintain high voltage circuits				
credits 12		IE153-9WE			
N5	Maintain portable switch houses				
credits 4		IE202-9WE			
N6	Demonstrate knowledge of line installation, maintenance and repair procedures				
credits 3		IE203-9WE			
N7	Make-up and repair trailing cable				
credits 3		IE205-9WE			

RECORD OF COMPETENCIES

LINE O POWER SUPPLIES				
	Competency	Date	Workplace Assessor	ID #
02	Install and maintain power supplies			
credits 9		IE182-9WE		
05	Demonstrate knowledge of electrolytic cell technology and safety considerations			
credits 2	salety considerations	IE210-9WE		

LINE	LINE P POWER GENERATION EQUIPMENT				
	Competency	Date	Workplace Assessor	ID #	
P4	Troubleshoot and maintain power generation prime movers				
credits 5	generation prime movers	IE161-9WE			
P5	Maintain portable generators				
credits 3		IE166-9WE			
P6	Maintain portable electric welding equipment				
credits 3	equipment	IE167-9WE			

LINE	LINE Q CONTROL AND MONITORING SYSTEMS AND DEVICES				
	Competency	Date	Workplace Assessor	ID #	
Q5 credits 3	Install and maintain servo and proportional valve control loops	IE169-9WE			
Q6 credits 3	Install and maintain hydraulic and pneumatic controls	IE174-9WE			
Q7 credits 4	Install and maintain analytical measurement equipment	IE217-9WE			
Q8 credits 3	Install and maintain encoders	IE170-9WE			
Q9 credits 3	Install and maintain numeric controllers	IE171-9WE			
Q10 credits 4	Maintain crane control systems	IE189-9WE			
Q11 credits 6	Install and maintain boiler furnace system monitors and contols	IE191-9WE			

LINE	LINE Q CONTROL AND MONITORING SYSTEMS AND DEVICES - CONT'D				
	Competency	Date	Workplace Assessor	ID #	
Q12	Install and maintain wireless radio				
credits 4	controllers	IE201-9WE			
Q13	Install and maintain a Global Positioning System (GPS)				
credits 3	rositioning system (or sy	IE206-9WE			
Q14	Install and maintain gas detection equipment				
credits 4	equipment	IE212-9WE			
Q15	Install and maintain controls for liquid separation and refractionation				
credits 4		IE213-9WE			
Q16	Install and maintain gas metering equipment				
credits 4	equipment	IE215-9WE			
Q17	Install and maintain data and process monitoring systems				
credits 3	monitoring systems	IE173-9WE			
Q18	Install and maintain video monitoring systems				
credits 4	monitoring systems	IE187-9WE			

LINE	LINE R INDUSTRY SECTOR SPECIFIC				
	Competency	Date	Workplace Assessor	ID #	
R1	Maintain electric arc furnace				
credits 3		IE208-9WE			
R2	Maintain induction furnace				
credits 3		IE209-9WE			
R3	Maintain recovery boiler control systems				
credits 3	systems	IE220-9WE			
R4 credits 4	Install and maintain scanning and optimization equipment	IE223-9WE			

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



TECHNICAL TRAINING

Instructions

Keep a record of each level of technical training completed.

Level 1 – Technical Training

Date Completed:	Training Provider:
Mark:	Instructor:

Level 2 – Technical Training

Date Completed:	Training Provider:
Mark:	Instructor:

Level 3 – Technical Training

Date Completed:	Training Provider:
Mark:	Instructor:

Level 4 – Technical Training

Date Completed:	Training Provider:
Mark:	Instructor:



TECHNICAL TRAINING AND CERTIFICATIONS

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



COMPLETION REQUIREMENTS

INC	DUSTRIAL ELECTRICIAN
	Level 1 - Technical Training Level 2 - Technical Training Level 3 - Technical Training Level 4 - Technical Training
	6,000 workplace hours
	Competency Completion Summative Signoff confirming completion of logbook, including: All Workplace Compulsory competencies 35 credits (minimum) from Workplace Elective competencies
	Interprovincial Red Seal examination
	Recommendation for Certification signed by sponsor Note: After all other completion requirements have been met, ITA sends a Recommendation for Certification form to the sponsor requesting signoff.

NOTES

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QUESTIONS?

About how apprenticeship works

Visit RTO's Apprenticeship Toolkit website



www.apprenticeshiptoolkit.ca

About the status of your apprenticeship

Contact ITA Customer Service



General Inquiries: customerservice@itabc.ca

Telephone: 778-328-8700 Toll free (within BC): 1-866-660-6011 Fax: 778-328-8701 www.itabc.ca

About your trade or other Resource Sector trades

Contact the Resource Training Organization (RTO)



General Inquiries: info@rtobc.com

Telephone: 604-455-0075 Fax: 604-455-0078 www.rtobc.com



www.apprenticeshiptoolkit.ca