

Apprenticeship and Industry Training

Trade Competency Verification Qualification Candidate

Electrician

Pilot Project

SAMPLE

Candidate Information

*Name: _____

*AIT Identifier: _____

*Address: _____

*City: _____

*Postal Code: _____

*Home Phone: _____

Cell: _____

E-mail: _____

All information marked with an * must be filled in or the TCV will be returned.

Process Information

This document is designed to provide verification of your ability to demonstrate the core competencies in the Electrician trade to the standard identified by the Electrician Provincial Apprenticeship Committee.

Assessor and Candidate Requirements:

ASSESSOR:

The employer's designated assessor **MUST** possess an Alberta recognized Electrician Journeyperson credential.

CANDIDATE:

All prerequisite requirements for the Qualification Candidate must be met prior to Assessor sign-off verifying the successful completion of each of the competencies.

Refer to: www.tradesecrets.alberta.ca for Trade Competency Verification information and instructions on how to use and fill out this booklet.

The TCV belongs to YOU – the Qualification candidate. It is YOUR responsibility to:

- Work with your employer to complete **8** of the **12** prescribed competencies outlined in the TCV.
- Ensure the TCV is up to date.
- Ensure the TCV is sent to an Apprenticeship and Industry Training (AIT) office upon completion of the competency projects.
- Complete all program requirements (including the TCV) within one year of applying/arriving for the Trades Qualifier program.
- Upon completion and validation of the TCV, you will be scheduled to attempt the Qualification Theory Exam.

Completing the TCV – Instructions to the Candidate

- You must fill out the “Candidate Information” page completely. Failure to fill out all of the requested information may result in the return of your TCV.
- You must provide your signature in the “Candidate Signature” section under each completed competency. Failure to do so will result in the TCV being returned to you.
- Each competency must be verified by an approved assessor.
- The assessor may be different for each competency.
- Assessors may be employed by different employers.
- You must be currently employed by the endorsing employer.

Competencies

Competency A

Interpret a drawing and supporting documentation.

Standard:

Given a schematic or wiring diagram install wiring and components to meet the adopted Canadian Electrical Code requirements, local codes and other relate specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyman Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency B

Install electrical distribution panel with feeders and branch circuits.

Standard:

Meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyman Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency C

Install a transformer including primary and secondary connections.

Standard:

Meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyperson Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency D

Install raceway systems including conductors and/or cabling.

Standard:

Meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyperson Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency E

Install grounding and bonding systems.

Standard:

Meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyperson Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency F

Install a motor complete with starter, protection (overload and overcurrent) and controls.

Standard:

Meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyman Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency G

Install lighting systems complete with line (3-way switch) or low voltage switching systems.

Standard:

Meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyman Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency H

Perform diagnostic tests on electrical equipment using a multi-meter.

Standard:

Determine and interpret voltage, amperage and resistance values.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyman Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency I

Repair electrical equipment.

Standard:

Return electrical equipment to operational requirements to meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyperson Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency J

Commission electrical equipment.

Standard:

Start up equipment to meet operational requirements of the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyman Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency K

Install Service entrance and distribution equipment.

Standard:

Meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyperson Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Competency L

Install heating, ventilation and/or cooling (HVAC) systems.

Standard:

Meet the adopted Canadian Electrical Code requirements, local codes and other related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor Signature: _____

Assessor's Journeyperson Certificate Number: _____

Issuing Jurisdiction: _____

Candidate Signature: _____

You must complete 8 of the 12 Competencies in the TCV.

Employer Endorsement

The Candidate _____ Candidate's name is currently
an employee of _____ Legal name of your employer
_____.

I am an authorized representative of the Employer.

I am satisfied that a certified Journeyperson meeting the requirements to be an Assessor (see page 2) has assessed the trade competencies for the Candidate in the trade of Electrician and that the Assessor has determined that the Candidate carries out the tasks, duties and functions of the trade at the skill level expected of an Alberta-certified journeyperson in this trade.

Name of Authorized Representative of the Employer
(Print):

Position: _____

Signature: _____

Date: _____

Phone Number: _____

E-mail address: _____

Name of Employer (Print): _____

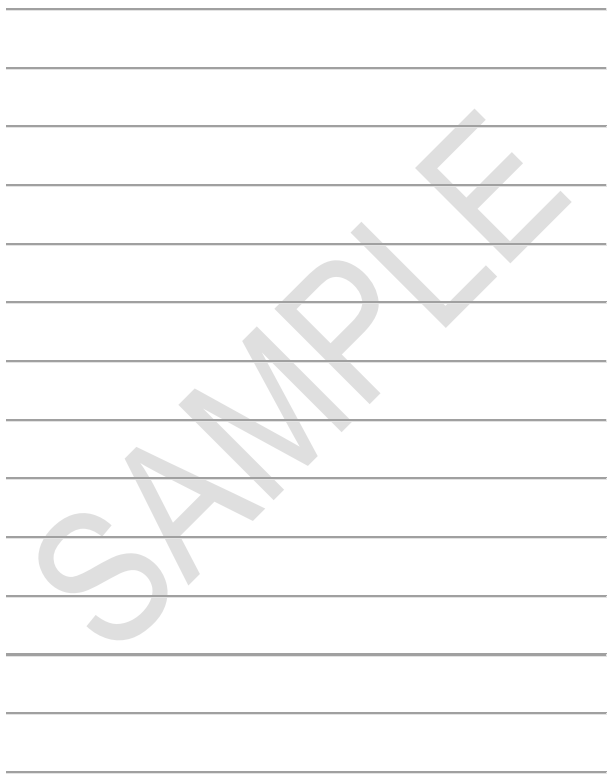
Address: _____

City: _____

Postal Code: _____

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