

Apprenticeship and Industry Training

Trades Competency Verification (TCV) Trades Qualifier Candidate

Electrician

DRAFT

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Candidate Information

*Name: _____

*AIT Identifier: _____

*Address: _____

*City: _____

*Province: _____

*Postal Code: _____

*Primary Phone: _____

Alternate Phone: _____

E-mail: _____

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

Process Information

This document verifies your ability to demonstrate the core competencies in the Electrician trade.

Assessor and Candidate Requirements:

ASSESSOR:

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

CANDIDATE:

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

Refer to:

tradesecrets.alberta.ca/sources/pdfs/forms/TCV_Fact_Sheet.pdf

for Trade Competency Verification information and instructions on how to use and fill out this book.

The TCV belongs to YOU – the Trades Qualifier 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 current. Competencies must be achieved after the date you applied for the Trades Qualifier Program.
- Ensure the TCV is uploaded into the Documents section of your MyTradesecrets (MTS) online account upon completion of the competency projects and employer endorsement.
- Complete all program requirements (including the TCV) within 18 months from your Trades Qualifier Program application approval date.

Completing the TCV – Instructions to the Candidate

- Fill out all the requested information.
 - Failure to do so may result in the return of your TCV.
- Complete the entire Candidate Information page.
- Sign the Candidate Signature section under each completed competency.
- Have your approved assessor confirm each competency. The assessor must fill in all fields for each competency witnessed.
 - The assessor may be different for each competency.
 - Assessors may be a designated journeyman of the endorsing employer.

Completing the TCV – Instructions to the Employer

- Support the candidate while they work with a certified journeyperson with an Alberta-recognized credential in the same trade.
 - The assessor does not have to be employed with the candidate's employer.
- Upon the candidate's successful completion of the competencies outlined, complete the Employer's Endorsement section of the TCV Book.
- Return the completed TCV Book to the candidate, so they can upload a copy to their MTS online account.

Please note: The employer must be an eligible Alberta employer performing work in the applicant's trade.

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 related specifications.

Date Achieved: _____

Assessor Name (Print): _____

Assessor's Journeyperson Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyperson Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyman Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyperson Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyman Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journey person Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyperson Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyperson Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journey person Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyman Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyperson Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

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's Journeyperson Certificate Number: _____

Issuing Province or Jurisdiction: _____

Assessor Phone Number: _____

Assessor Signature: _____

Candidate Signature: _____

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

Employer's Endorsement

The Candidate _____ Candidate's name

is currently employed by _____

Legal company name of your employer

I am an authorized representative of the Employer.

I am satisfied that a certified journeyman 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 activities of the trade at the skill level expected of an Alberta-certified journeyman in this trade.

Name of Authorized Representative of the
Employer/Company (Print):

Position: _____

Signature: _____

Date: _____

Phone Number: _____

E-mail address: _____

Name of Employer/Company (Print): _____

Address: _____

City: _____

Postal Code: _____

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