

## Apprenticeship and Industry Training

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# Trades Competency Verification (TCV) Trades Qualifier Candidate

## Steamfitter-Pipefitter

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## Candidate Information

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\*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  
(Trades Competency Verification (TCV) will be returned.

## Process Information

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This document verifies your ability to demonstrate the core competencies in the Steamfitter-Pipefitter trade.

## Assessor and Candidate Requirements:

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### ASSESSOR:

The employer's designated assessor **MUST** possess a Steamfitter-Pipefitter journey person 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](http://tradesecrets.alberta.ca/sources/pdfs/forms/TCV_Fact_Sheet.pdf)

or 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 all **7** 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

**Calculate the cut length of pipe required for a 45° offset in a threaded piping system.**

Standard:

Using the specifications provided, determine the cut length for a section of piping (within +/- 3 mm) for a 45° offset using a centre-centre dimension between threaded fittings.

Date Achieved: \_\_\_\_\_

Assessor Name (Print): \_\_\_\_\_

Assessor's Journeyperson Certificate Number: \_\_\_\_\_

Issuing Province or Jurisdiction: \_\_\_\_\_

Assessor Phone Number: \_\_\_\_\_

Assessor Signature: \_\_\_\_\_

Candidate Signature: \_\_\_\_\_

**You must complete all 7 competencies in the TCV.**



## Competency B

### Assemble a threaded pipe project.

Standard:

Cut, ream, thread and assemble a threaded pipe project ensuring reaming does not cause back bevel and threads are the proper length and free of chips and gouges.

Date Achieved: \_\_\_\_\_

Assessor Name (Print): \_\_\_\_\_

Assessor's Journeyperson Certificate Number: \_\_\_\_\_

Issuing Province or Jurisdiction: \_\_\_\_\_

Assessor Phone Number: \_\_\_\_\_

Assessor Signature: \_\_\_\_\_

Candidate Signature: \_\_\_\_\_

**You must complete all 7 competencies in the TCV.**

## Competency C

**Calculate the cut length of pipe required for a welded pipe system.**

Standard:

Using the specifications provided, determine the cut length for a section of piping (within +/- 3 mm) for a centre-centre dimension between weld fittings.

Date Achieved: \_\_\_\_\_

Assessor Name (Print): \_\_\_\_\_

Assessor's Journeyperson Certificate Number: \_\_\_\_\_

Issuing Province or Jurisdiction: \_\_\_\_\_

Assessor Phone Number: \_\_\_\_\_

Assessor Signature: \_\_\_\_\_

Candidate Signature: \_\_\_\_\_

**You must complete all 7 competencies in the TCV.**

## Competency D

### Prepare a length of piping for installation into a weld pipe spool.

Standard:

Prepare both ends of a piece of pipe to be tacked between two fittings, ensuring the ends of the pipe are within 1 mm of being square. The specified land, bevel and gap must be maintained for required centre-centre measurements.

Date Achieved: \_\_\_\_\_

Assessor Name (Print): \_\_\_\_\_

Assessor's Journeyperson Certificate Number: \_\_\_\_\_

Issuing Province or Jurisdiction: \_\_\_\_\_

Assessor Phone Number: \_\_\_\_\_

Assessor Signature: \_\_\_\_\_

Candidate Signature: \_\_\_\_\_

**You must complete all 7 competencies in the TCV.**

## Competency E

### Interpret a drawing.

Standard:

Layout a pipe spool from a spool sheet to 100% accuracy.

Date Achieved: \_\_\_\_\_

Assessor Name (Print): \_\_\_\_\_

Assessor's Journeyperson Certificate Number: \_\_\_\_\_

\_\_\_\_\_

Issuing Province or Jurisdiction: \_\_\_\_\_

Assessor Phone Number: \_\_\_\_\_

Assessor Signature: \_\_\_\_\_

Candidate Signature: \_\_\_\_\_

**You must complete all 7 competencies in the TCV.**

## Competency F

### Rig a spool for a lift.

Standard:

Rig a pipe spool for a lift, using 2 or more slings, based on the weight of the load. Use best practices, rigging materials provided and hand signals.

Date Achieved: \_\_\_\_\_

Assessor Name (Print): \_\_\_\_\_

Assessor's Journeyperson Certificate Number: \_\_\_\_\_

Issuing Province or Jurisdiction: \_\_\_\_\_

Assessor Phone Number: \_\_\_\_\_

Assessor Signature: \_\_\_\_\_

Candidate Signature: \_\_\_\_\_

**You must complete all 7 competencies in the TCV.**

## Competency G

### Assemble a gasket joint.

Standard:

Assemble a gasketed joint using the specified gasket, stud bolts, nuts and tightening pattern. All bolt markings are to be in the same direction and nut markings are to be visible.

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 all 7 competencies in the TCV.**

## Employer's Endorsement

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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 journey person meeting the requirements to be an Assessor (see page 2) has assessed the trade competencies for the Candidate in the trade of Steamfitter-Pipefitter 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 journey person 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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