

**Apprenticeship and Industry Training**

---

**Trade Competency Verification  
Qualification Candidate**

**Steamfitter-Pipefitter**

**Pilot Project**

*Alberta*  Government



Apprenticeship  
and Industry  
Training

**SAMPLE**

# Candidate Information

---

\*Name: \_\_\_\_\_

\*AIT Identifier: \_\_\_\_\_

\*Address: \_\_\_\_\_

\*City: \_\_\_\_\_

\*Postal Code: \_\_\_\_\_

\*Home Phone: \_\_\_\_\_

Cell: \_\_\_\_\_

Email: \_\_\_\_\_

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 Steamfitter-Pipefitter trade to the standard identified by the Steamfitter-Pipefitter Provincial Apprenticeship Committee.

## Assessor and Candidate Requirements:

---

### ASSESSOR:

The employer's designated assessor **MUST** possess an Alberta-recognized Steamfitter-Pipefitter 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: <http://tradesecrets.alberta.ca/about-us/publications/> 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 the 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 Qualification Certificate 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 return of the TCV.
- 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

**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 Signature: \_\_\_\_\_

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

Issuing Jurisdiction: \_\_\_\_\_

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

## 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 Signature: \_\_\_\_\_

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

Issuing Jurisdiction: \_\_\_\_\_

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

## 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 Signature: \_\_\_\_\_

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

Issuing Jurisdiction: \_\_\_\_\_

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



## 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 Signature: \_\_\_\_\_

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

Issuing Jurisdiction: \_\_\_\_\_

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

# Competency E

## Interpret a drawing.

Standard:

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

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

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

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

Assessor's Journey person Certificate Number: \_\_\_\_\_

\_\_\_\_\_

Issuing Jurisdiction: \_\_\_\_\_

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

# 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 Signature: \_\_\_\_\_

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

\_\_\_\_\_

Issuing Jurisdiction: \_\_\_\_\_

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

## 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 Signature: \_\_\_\_\_

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

Issuing Jurisdiction: \_\_\_\_\_

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

This page is intentionally left blank

## 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 Steamfitter-Pipefitter 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: \_\_\_\_\_

Email address: \_\_\_\_\_

Name of Employer (Print): \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Postal Code: \_\_\_\_\_





SAMPLE

**SAMPLE**