

PROGRAM UPDATE

Issued: March 3, 2025

Trade: STEAMFITTER/PIPEFITTER

To: SkilledTradesBC Training Providers
Articulation Chair
System Liaison Person
Youth Train in Trades School Districts

Subject: **STEAMFITTER/PIPEFITTER Interprovincial Exams aligned to the 2022 RSOS will be implemented**

From: SkilledTradesBC Program Standards

Effective Date: **April 23, 2025**

Summary: Interprovincial (IP) exams aligned to the 2021 **Steamfitter/Pipefitter** Red Seal Occupational Standard (RSOS) will be implemented by SkilledTradesBC as of April 23, 2025. Candidates who write a **Steamfitter/Pipefitter** IP exam on or after April 23, 2025, will receive an exam aligned to the 2022 RSOS.

IP Table: The IP table can be found at [Steamfitter/Pipefitter | SkilledTradesBC](https://www.skilledtradesbc.ca/steamfitter-pipefitter)



Steamfitter/Pipefitter

Inter-provincial examinations – Tasks and related number of questions
Number of questions on each exam - 130

Based on 2022 RSOS

Major Work Activity	Task	Number of Questions
A – PERFORMS COMMON OCCUPATIONAL SKILLS	Task 1 – Performs safety-related functions	4
	Task 2 – Uses and maintains tools and equipment	6
	Task 3 – Organizes job	4
	Task 4 – Uses communication and mentoring techniques	2
		16
B – PERFORMS LAYOUT, FABRICATION AND PIPING INSTALLATIONS	Task 5 – Performs fabrication	10
	Task 6 – Lays out and installs piping, tubing, fittings and related components	12
	Task 7 – Installs, maintains, troubleshoots, repairs and tests valves	4
	Task 8 – Installs, tests, maintains, troubleshoots and repairs and heat tracing systems	3
		29
C – PERFORMS RIGGING, HOISTING, LIFTING AND POSITIONING	Task 9 – Performs common rigging, hoisting, lifting and positioning	10
	Task 10 – Performs complex and critical rigging, hoisting, lifting and positioning	5
		15
D – INSTALLS, TESTS, MAINTAINS, TROUBLESHOOTS AND REPAIRS LOW AND HIGH PRESSURE STEAM AND CONDENSATE SYSTEMS	Task 11 – Installs, tests, maintains, troubleshoots and repairs low pressure steam and condensate systems	10
	Task 12 – Installs, tests, maintains, trouble shoots and repairs high pressure steam and condensate systems	14
		24
E – INSTALLS, TESTS, MAINTAINS, TROUBLESHOOTS AND REPAIRS HEATING, COOLING AND PROCESS PIPING SYSTEMS	Task 13 – Installs, tests, maintains, troubleshoots and repairs hydronic systems	6
	Task 14 – Installs, tests, maintains, troubleshoots and repairs process piping systems	5
	Task 15 – Installs, tests, maintains, troubleshoots and repairs industrial water and waste treatment systems	3
	Task 16 – Installs, tests, maintains, troubleshoots and repairs hydraulic systems	3
	Task 17 – Installs, tests, maintains, troubleshoots and repairs heating, ventilation, air conditioning and refrigeration (HVACR) systems	2
	Task 18 – Installs, tests, maintains, troubleshoots and repairs fuel systems	3
	Task 19 – Installs, tests, maintains, troubleshoots and repairs medical gas systems	2
	Task 20 – Installs, tests, maintains, troubleshoots and repairs compressed air and pneumatic systems	3
	Task 21 – Installs and tests fire protection systems. [NOT COMMON CORE]	0
		27
F – INSTALLS, TESTS, MAINTAINS, TROUBLESHOOTS AND REPAIRS RENEWABLE ENERGY SYSTEMS	Task 22 – Installs, tests, maintains, troubleshoots and repairs geo-exchange and geothermal systems	2
	Task 23 – Installs, tests, maintains, troubleshoots and repairs solar heating systems	2
	Task 24 – Installs, tests, maintains, troubleshoots and repairs heat recovery systems	4
		8
G – PERFORMS COMMISSIONING, START-UP AND TURNOVER	Task 25 – Prepares systems for commissioning, start-up and turnover	6
	Task 26 – Commissions systems	5
		11
		130

Details: The Interprovincial Red Seal exam is a summative assessment intended to test an apprentice's trade knowledge gained through both on-the-job experience and technical training. Exam questions are developed by certified trade worker subject matter experts (SMEs) as well as instructors and are intended to reflect trade practices in Canada. The exams are edited, translated, and peer reviewed by additional SMEs before they are implemented. The exams are developed to test the sub-tasks of the most recent Red Seal Occupational Standard.

The **Steamfitter/Pipefitter** 2021 RSOS can be [downloaded here](#).

A comparative analysis of the sub-task changes from the previous standard can be found on the SkilledTradesBC [trade page](#).

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