

Plumber RSOS (2023) Subtask to Unit Comparison

RSOS Subtask		Manitoba Unit(s)
Task A1 – Performs safety-related functions.		
1.01	Maintains safe work environment.	A1 Learning About Work A2 Trade Safety Awareness B8 Fundamentals of Electrical Appliances and Controls All Units from Level 1 through Level 4
1.02	Uses personal protective equipment (PPE) and safety equipment.	A1 Learning About Work A2 Trade Safety Awareness All Units from Level 1 through Level 4
1.03	Performs lock-out and tag-out (LOTO) procedures.	A1 Learning About Work A2 Trade Safety Awareness A13 Introduction to Basic Electricity B1 Routine Trade Activities II: Commissioning B8 Fundamentals of Electrical Appliances and Controls All Units from Level 1 through Level 4
Task A2 – Uses and maintains tools and equipment.		
2.01	Uses common tools and equipment.	A1 Learning About Work A3 Tools and Equipment A4 Tools and Equipment: Fuel Brazing and Cutting A8 Tube, Tubing and Pipe I: Preparation A9 Tube, Tubing, and Pipe II: Join All Units from Level 1 through Level 4
2.02	Uses access equipment.	A1 Learning About Work A2 Trade Safety Awareness A3 Tools and Equipment A5 Worksite Activities and Organization
2.03	Uses rigging, hoisting, lifting and positioning equipment.	A1 Learning About Work A2 Trade Safety Awareness A3 Tools and Equipment A5 Worksite Activities and Organization
2.04	Rigs loads for cranes.	A1 Learning About Work A2 Trade Safety Awareness A3 Tools and Equipment A5 Worksite Activities and Organization
2.05	Uses welding equipment.	A4 Tools and Equipment: Fuel Brazing and Cutting A9 Tube, Tubing, and Pipe II: Join
2.06	Uses soldering and brazing equipment.	A4 Tools and Equipment: Fuel Brazing and Cutting A9 Tube, Tubing, and Pipe II: Join
Task A3 – Organizes work.		
3.01	Organizes project tasks and procedures.	A5 Worksite Activities and Organization B1 Routine Trade Activities II: Commissioning B8 Fundamentals of Electrical Appliances and Controls
3.02	Organizes materials and supplies.	A5 Worksite Activities and Organization A8 Tube, Tubing and Pipe I: Preparation B1 Routine Trade Activities II: Commissioning
3.03	Uses documentation.	A6 Trade Related Communications and Documents A7 Routine Trade Activities I: Drawings B1 Routine Trade Activities II: Commissioning C11 Routine Trade Activities III: Drawings D7 Electrical Schematics and Troubleshooting for Hydronics and Plumbing Systems

RSOS Subtask		Manitoba Unit(s)
Task A4 – Performs routine trade activities.		
4.01	Plans layout for piping systems.	A7 Routine Trade Activities I: Drawings A8 Tube, Tubing and Pipe I: Preparation B2 Interior Drainage, Waste and Vent Systems II B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories C2 Sewers C4 Municipal Water Service Systems C5 Rural Water Service Systems C6 Potable Water Distribution I C7 Potable Water Distribution II C11 Routine Trade Activities III: Drawings D5 Process Piping D8 Gas Piping Systems D10 Pre-Interprovincial Exam Review
4.02	Calculates tube, tubing and pipe lengths.	A8 Tube, Tubing and Pipe I: Preparation A11 Trade Related Mathematics I B9 Trade Related Mathematics II C6 Potable Water Distribution I D10 Pre-Interprovincial Exam Review
4.03	Installs piping supports.	A14 Gas Code I B2 Interior Drainage, Waste and Vent Systems II B11 Gas Code II C2 Sewers C6 Potable Water Distribution I C7 Potable Water Distribution II D10 Pre-Interprovincial Exam Review
4.04	Installs piping sleeves.	A14 Gas Code I B2 Interior Drainage, Waste and Vent Systems II B11 Gas Code II C2 Sewers C6 Potable Water Distribution I C7 Potable Water Distribution II D10 Pre-Interprovincial Exam Review
4.05	Commissions systems.	B1 Routine Trade Activities II: Commissioning D10 Pre-Interprovincial Exam Review
4.06	Protects piping systems, equipment and structure from damage.	A2 Trade Safety Awareness A8 Tube, Tubing and Pipe I: Preparation D10 Pre-Interprovincial Exam Review
4.07	Coordinates excavation and backfilling of trenches.	A2 Trade Safety Awareness D10 Pre-Interprovincial Exam Review
4.08	Installs fire stopping devices and materials.	A2 Trade Safety Awareness C2 Sewers C3 Interior Drainage, Waste and Vent Systems III C6 Potable Water Distribution I D10 Pre-Interprovincial Exam Review
Task A5 - Uses communication and mentoring techniques.		
5.01	Uses communication techniques.	A6 Trade Related Communications and Documents C1 Mentoring Techniques D1 Journeyperson Trainer
5.02	Uses mentoring techniques.	A6 Trade Related Communications and Documents C1 Mentoring Techniques D1 Journeyperson Trainer
Task B6 – Prepares tube, tubing and pipe.		
6.01	Inspects tube, tubing, pipe and fittings before installation.	A3 Tools and Equipment A8 Tube, Tubing and Pipe I: Preparation

RSOS Subtask		Manitoba Unit(s)
6.02	Cuts tube, tubing and pipe.	A4 Tools and Equipment: Fuel Brazing and Cutting A8 Tube, Tubing and Pipe I: Preparation A9 Tube, Tubing, and Pipe II: Join
6.03	Bends tube, tubing and pipe.	A8 Tube, Tubing and Pipe I: Preparation A9 Tube, Tubing, and Pipe II: Join
6.04	Prepares tube, tubing and pipe connections.	A8 Tube, Tubing and Pipe I: Preparation
Task B7 – Joins tube, tubing and pipe.		
7.01	Joins copper tube, tubing and pipe.	A9 Tube, Tubing, and Pipe II: Join
7.02	Joins plastic tube, tubing and pipe.	A9 Tube, Tubing, and Pipe II: Join
7.03	Joins steel tube, tubing and pipe.	A9 Tube, Tubing, and Pipe II: Join
7.04	Joins cast iron pipe.	A9 Tube, Tubing, and Pipe II: Join
7.05	Joins specialized tube, tubing and pipe.	A9 Tube, Tubing, and Pipe II: Join
Task C8 – Installs, tests and services sewers.		
8.01	Plans layout and sizes piping for sewers.	C2 Sewers D2 Sewage Treatment Systems
8.02	Installs maintenance holes and catch basins.	A8 Tube, Tubing and Pipe I: Preparation B2 Interior Drainage, Waste and Vent Systems II C2 Sewers C3 Interior Drainage, Waste and Vent Systems III
8.03	Installs piping for sewers.	C2 Sewers D2 Sewage Treatment Systems
8.04	Tests maintenance holes, catch basins and piping for sewers.	C2 Sewers D2 Sewage Treatment Systems
8.05	Services maintenance holes, catch basins and piping for sewers.	C2 Sewers D2 Sewage Treatment Systems
Task C9 – Installs, tests and services sewage treatment systems.		
9.01	Plans installation of sewage treatment systems.	A5 Worksite Activities and Organization C2 Sewers D2 Sewage Treatment Systems
9.02	Installs components for sewage treatment systems.	A5 Worksite Activities and Organization C2 Sewers D2 Sewage Treatment Systems
9.03	Tests sewage treatment systems.	A5 Worksite Activities and Organization C2 Sewers D2 Sewage Treatment Systems
9.04	Services sewage treatment systems.	A5 Worksite Activities and Organization C2 Sewers D2 Sewage Treatment Systems
Task C10 – Installs, tests and services interior drainage, waste and vent (DWV) systems.		
10.01	Plans layout and sizes piping for interior drainage, waste and vent (DWV) systems.	A7 Routine Trade Activities I: Drawings A10 Interior Drainage, Waste and Vent Systems I B2 Interior Drainage, Waste and Vent Systems II C3 Interior Drainage, Waste and Vent Systems III C11 Routine Trade Activities III: Drawings
10.02	Installs underground piping and components for interior drainage, waste and vent (DWV) systems.	A7 Routine Trade Activities I: Drawings A10 Interior Drainage, Waste and Vent Systems I B2 Interior Drainage, Waste and Vent Systems II C3 Interior Drainage, Waste and Vent Systems III C11 Routine Trade Activities III: Drawings

RSOS Subtask		Manitoba Unit(s)
10.03	Installs above-ground piping and components for interior drainage, waste and vent (DWV) systems.	A7 Routine Trade Activities I: Drawings A10 Interior Drainage, Waste and Vent Systems I B2 Interior Drainage, Waste and Vent Systems II C3 Interior Drainage, Waste and Vent Systems III C11 Routine Trade Activities III: Drawings
10.04	Tests interior drainage, waste and vent (DWV) systems.	A7 Routine Trade Activities I: Drawings A10 Interior Drainage, Waste and Vent Systems I B2 Interior Drainage, Waste and Vent Systems II C3 Interior Drainage, Waste and Vent Systems III C11 Routine Trade Activities III: Drawings
10.05	Services interior drainage, waste and vent (DWV) systems.	A7 Routine Trade Activities I: Drawings A10 Interior Drainage, Waste and Vent Systems I B2 Interior Drainage, Waste and Vent Systems II C3 Interior Drainage, Waste and Vent Systems III C11 Routine Trade Activities III: Drawings
Task D11 – Installs, tests and services water service.		
11.01	Plans layout and sizes piping and components for water service.	C4 Municipal Water Service Systems C5 Rural Water Service Systems
11.02	Installs piping for water service.	C4 Municipal Water Service Systems C5 Rural Water Service Systems
11.03	Installs components for water service.	C4 Municipal Water Service Systems C5 Rural Water Service Systems
11.04	Tests water service piping and components.	C4 Municipal Water Service Systems C5 Rural Water Service Systems
11.05	Services water service piping and components.	C4 Municipal Water Service Systems C5 Rural Water Service Systems
Task D12 – Installs, tests and services potable water distribution systems.		
12.01	Plans layout and sizes piping and components for potable water distribution systems.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters C6 Potable Water Distribution I C7 Potable Water Distribution II
12.02	Installs piping for potable water distribution systems.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters C6 Potable Water Distribution I C7 Potable Water Distribution II
12.03	Installs components for potable water distribution systems.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters C6 Potable Water Distribution I C7 Potable Water Distribution II
12.04	Installs cross-connection controls.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters C6 Potable Water Distribution I C7 Potable Water Distribution II
12.05	Tests potable water distribution systems.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters C6 Potable Water Distribution I C7 Potable Water Distribution II

RSOS Subtask		Manitoba Unit(s)
12.06	Services potable water distribution systems.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters C6 Potable Water Distribution I C7 Potable Water Distribution II
Task D13 – Installs, tests and services private water pressure systems.		
13.01	Plans layout and sizes piping and components for private water pressure systems.	D3 Private Water Pressure Systems D4 Water Treatment Systems
13.02	Installs piping for private water pressure systems.	D3 Private Water Pressure Systems
13.03	Installs components for private water pressure systems.	D3 Private Water Pressure Systems
13.04	Tests private water pressure systems.	D3 Private Water Pressure Systems
13.05	Services private water pressure systems.	D3 Private Water Pressure Systems
Task E14 – Installs, tests and services plumbing fixtures and appliances.		
14.01	Installs fixture supports.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters B5 Plumbing Fixtures and Appliances III: Piping Valves
14.02	Installs plumbing fixtures and appliances.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters B5 Plumbing Fixtures and Appliances III: Piping Valves
14.03	Tests plumbing fixtures and appliances.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters B5 Plumbing Fixtures and Appliances III: Piping Valves
14.04	Services plumbing fixtures and appliances.	B3 Plumbing Fixtures and Appliances I: Residential and Commercial Plumbing Fixtures and Accessories B4 Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters B5 Plumbing Fixtures and Appliances III: Piping Valves
Task E15 Installs, tests and services water treatment systems.		
15.01	Sizes water treatment systems.	D4 Water Treatment Systems
15.02	Installs water treatment systems.	D4 Water Treatment Systems
15.03	Tests water treatment systems.	D4 Water Treatment Systems
15.04	Services water treatment systems.	D4 Water Treatment Systems
Task F16 - Installs, tests and services low pressure steam systems. (Not Common Core)		
16.01	Plans layout and sizes piping and components for low-pressure steam systems.	D9 Low Pressure Steam Systems
16.02	Installs piping and components for low-pressure steam systems.	D9 Low Pressure Steam Systems
16.03	Tests low-pressure steam systems.	D9 Low Pressure Steam Systems
16.04	Services low-pressure steam systems.	D9 Low Pressure Steam Systems

RSOS Subtask		Manitoba Unit(s)
Task F17 - Installs, tests and services piping and components for hydronic systems.		
17.01	Plans layout and sizes piping and components for hydronic systems.	B6 Hydronic Systems I: Cooling and Low Pressure Heating B7 Hydronic Systems II: Heating and Cooling Equipment C8 Piping and Components for Hydronic Systems C9 Control Systems for Hydronic Heating and Cooling Equipment
17.02	Installs piping and components for hydronic systems.	B6 Hydronic Systems I: Cooling and Low Pressure Heating B7 Hydronic Systems II: Heating and Cooling Equipment C8 Piping and Components for Hydronic Systems C9 Control Systems for Hydronic Heating and Cooling Equipment
17.03	Tests hydronic systems.	B6 Hydronic Systems I: Cooling and Low Pressure Heating B7 Hydronic Systems II: Heating and Cooling Equipment C8 Piping and Components for Hydronic Systems C9 Control Systems for Hydronic Heating and Cooling Equipment
17.04	Services hydronic systems.	B6 Hydronic Systems I: Cooling and Low Pressure Heating B7 Hydronic Systems II: Heating and Cooling Equipment C8 Piping and Components for Hydronic Systems C9 Control Systems for Hydronic Heating and Cooling Equipment
Task F18 - Installs, tests and services hydronic heating and cooling equipment.		
18.01	Installs hydronic heating equipment.	B6 Hydronic Systems I: Cooling and Low Pressure Heating B7 Hydronic Systems II: Heating and Cooling Equipment C8 Piping and Components for Hydronic Systems C9 Control Systems for Hydronic Heating and Cooling Equipment
18.02	Installs hydronic cooling equipment.	B6 Hydronic Systems I: Cooling and Low Pressure Heating B7 Hydronic Systems II: Heating and Cooling Equipment C8 Piping and Components for Hydronic Systems C9 Control Systems for Hydronic Heating and Cooling Equipment
18.03	Tests hydronic heating and cooling equipment.	B6 Hydronic Systems I: Cooling and Low Pressure Heating B7 Hydronic Systems II: Heating and Cooling Equipment C8 Piping and Components for Hydronic Systems C9 Control Systems for Hydronic Heating and Cooling Equipment D7 Electrical Schematics and Troubleshooting for Hydronics and Plumbing Systems
18.04	Services hydronic heating and cooling equipment.	B6 Hydronic Systems I: Cooling and Low Pressure Heating B7 Hydronic Systems II: Heating and Cooling Equipment C8 Piping and Components for Hydronic Systems C9 Control Systems for Hydronic Heating and Cooling Equipment D7 Electrical Schematics and Troubleshooting for Hydronics and Plumbing Systems
Task G19 - Installs, tests and services process piping systems.		
19.01	Plans layout and sizes piping and components for process piping systems.	D5 Process Piping
19.02	Installs piping for process piping systems.	D5 Process Piping
19.03	Installs components for process piping systems.	D5 Process Piping
19.04	Tests process piping systems.	D5 Process Piping
19.05	Services process piping systems.	D5 Process Piping

RSOS Subtask		Manitoba Unit(s)
Task G20 - Installs, tests and services potable water fire protection systems. (Not Common Core)		
20.01	Plans layout and sizes piping for potable water fire protection systems.	C10 Specialized Systems I
20.02	Installs potable water fire protection systems.	C10 Specialized Systems I
20.03	Tests potable water fire protection systems.	C10 Specialized Systems I
20.04	Services potable water fire protection systems.	C10 Specialized Systems I
Task G21 - Installs, tests and services other specialized systems.		
21.01	Plans layout and sizes piping, components and equipment for other specialized systems.	C10 Specialized Systems I D6 Specialized Systems II
21.02	Installs piping and components for other specialized systems.	C10 Specialized Systems I D6 Specialized Systems II
21.03	Installs equipment for other specialized systems.	C10 Specialized Systems I D6 Specialized Systems II
21.04	Tests other specialized systems.	C10 Specialized Systems I D6 Specialized Systems II
21.05	Services other specialized systems.	C10 Specialized Systems I D6 Specialized Systems II