

	RSOS Structure 2016	went to		RSOS Structure 2023	came from
MWA A	PERFORMS COMMON OCCUPATIONAL SKILLS	MWA A	MWA A	Performs common occupational skills	MWA A
TASK 1	Performs safety-related functions.	TASK 1	TASK 1	Performs safety-related functions	TASK 1
1.01	Maintains safe work environment.	1.01	1.01	Maintains safe work environment	1.01
1.02	Uses personal protective equipment (PPE) and safety equipment.	1.02	1.02	Uses personal protective equipment (PPE) and safety equipment	1.02
1.03	Performs lock-out and tag-out procedures.	1.03	1.03	Performs lock-out and tag-out (LOTO) procedures	1.03
TASK 2	Uses and maintains tools and equipment.	TASK 2	TASK 2	Uses and maintains tools and equipment	TASK 2
2.01	Uses common tools and equipment.	2.01	2.01	Uses common tools and equipment	2.01
2.02	Uses access equipment.	2.02	2.02	Uses access equipment	2.02
2.03	Uses rigging, hoisting, lifting and positioning equipment	2.03	2.03	Uses rigging, hoisting, lifting and positioning equipment	2.03
2.04	Rigs loads for cranes	2.04	2.04	Rigs loads for cranes	2.04
2.05	Uses welding equipment.	2.05	2.05	Uses welding equipment	2.05
2.06	Uses soldering and brazing equipment.	2.06	2.06	Uses soldering and brazing equipment	2.06
2.07	Uses oxy-fuel equipment.	deleted		Uses oxy-fuel equipment	2.07
TASK 3	Organizes work.	TASK 3	TASK 3	Organizes work	TASK 3
3.01	Organizes project tasks and procedures.	3.01	3.01	Organizes project tasks and procedures	3.01
3.02	Organizes materials and supplies.	3.02	3.02	Organizes materials and supplies	3.02
			3.03	Uses documentation	NEW
TASK 4	Performs routine trade activities.	TASK 4	TASK 4	Performs routine trade activities	TASK 4
4.01	Performs piping system layout.	4.01	4.01	Plans layout for piping systems	4.01
4.02	Calculates pipe, tube and tubing length.	4.02	4.02	Calculates tube, tubing and pipe lengths	4.02
4.03	Calculates piping offsets.	4.02		Calculates piping offsets	4.03
4.04	Installs piping with adequate supports.	4.03	4.03	Installs piping supports	4.04
4.05	Installs sleeves.	4.04	4.04	Installs piping sleeves	4.05
4.06	Commissions systems.	4.05	4.05	Commissions systems	4.06
4.07	Protects piping systems, equipment and structure from damage.	4.06	4.06	Protects piping systems, equipment and structure from damage	4.07
4.08	Coordinates excavation and backfilling of trenches.	4.07	4.07	Coordinates excavation and backfilling of trenches	4.08
4.09	Installs fire stopping devices and materials.	4.09	4.08	Installs fire stopping devices and materials	4.09
TASK 5	Uses communication and mentoring techniques.	TASK 5	TASK 5	Uses communication and mentoring techniques	TASK 5
5.01	Uses communication techniques	5.01	5.01	Uses communication techniques	5.01
5.02	Uses mentoring techniques	5.02	5.02	Uses mentoring techniques	5.02
MWA B	PREPARES AND ASSEMBLES PIPE	MWA B	MWA B	Prepares and assembles tube, tubing and pipe	MWA B
TASK 6	Prepares pipe.	TASK 6	TASK 6	Prepares tube, tubing and pipe	TASK 6
6.01	Inspects tube, tubing, pipe and fittings before installation.	6.01	6.01	Inspects tube, tubing, pipe and fittings before installation	6.01
6.02	Cuts tube, tubing and pipe.	6.02	6.02	Cuts tube, tubing and pipe	6.02
6.03	Bends tube, tubing and pipe.	6.03	6.03	Bends tube, tubing and pipe	6.03
6.04	Prepares tube, tubing and pipe connections	6.04	6.04	Prepares tube, tubing and pipe connections	6.04
TASK 7	Joins tube, tubing and pipe	TASK 7	TASK 7	Joins tube, tubing and pipe	TASK 7
7.01	Joins copper tube, tubing and pipe.	7.01	7.01	Joins copper tube, tubing and pipe	7.01
7.02	Joins plastic pipe and tubing.	7.02	7.02	Joins plastic tube, tubing and pipe	7.02
7.03	Joins steel pipe.	7.03	7.03	Joins steel tube, tubing and pipe	7.03
7.04	Joins cast iron pipe.	7.04	7.04	Joins cast iron pipe	7.04
7.05	Joins specialized pipe	7.05	7.05	Joins specialized tube, tubing and pipe	7.05
MWA C	INSTALLS, TESTS AND SERVICES SEWERS, SEWAGE TREATMENT SYSTEMS AND DRAINAGE, WASTE, VENTS (DWV) SYSTEMS	MWA C	MWA C	Installs, tests and services sewers, sewage treatment systems and drainage, waste, vents (DWV) systems	MWA C
TASK 8	Installs, tests and services sewers.	TASK 8	TASK 8	Installs, tests and services sewers	TASK 8
8.01	Sizes pipe for sewers.	8.01	8.01	Plans layout and sizes pipe for sewers	8.01
8.02	Installs manholes and catch basins.	8.02	8.02	Installs maintenance holes and catch basins	8.02
8.03	Installs piping for sewers.	8.03	8.03	Installs piping for sewers	8.03
8.04	Tests manholes, catch basins and piping for sewers.	8.04	8.04	Tests maintenance holes, catch basins and piping for sewers	8.04
8.05	Services manholes, catch basins and piping for sewers.	8.05	8.05	Services maintenance holes, catch basins and piping for sewers	8.05
TASK 9	Installs, tests and services sewage treatment systems	TASK 9	TASK 9	Installs, tests and services sewage treatment systems	TASK 9
9.01	Plans installation of sewage treatment systems.	9.01	9.01	Plans installation of sewage treatment systems	9.01
9.02	Installs sewage treatment system components.	9.02	9.02	Installs components for sewage treatment systems	9.02
9.03	Tests sewage treatment systems and components.	9.03	9.03	Tests sewage treatment systems	9.03
9.04	Services sewage treatment systems and components.	9.04	9.04	Services sewage treatment systems	9.04
TASK 10	Installs, tests and services interior drainage, waste and vent (DWV) systems.	TASK 10	TASK 10	Installs, tests and services interior drainage, waste and vent (DWV) systems	TASK 10
10.01	Sizes pipe for interior drainage, waste and vent (DWV) systems.	10.01	10.01	Plans layout and sizes piping for interior drainage, waste and vent (DWV) systems	10.01
10.02	Installs underground piping and components for interior drainage, waste and vent (DWV) systems.	10.02	10.02	Installs underground piping and components for interior drainage, waste and vent (DWV) systems	10.02
10.03	Installs piping and components for interior drainage, waste and vent systems (DWV) above-ground.	10.03	10.03	Installs above-ground piping and components for interior drainage, waste and vent (DWV) systems	10.03
10.04	Tests piping and components for interior drainage, waste and vent (DWV) systems.	10.04	10.04	Tests interior drainage, waste and vent (DWV) systems	10.04
10.05	Services piping and components for interior drainage, waste and vent (DWV) systems.	10.05	10.05	Services interior drainage, waste and vent (DWV) systems	10.05
MWA D	INSTALLS, TESTS AND SERVICES WATER SERVICE AND DISTRIBUTION	MWA D	MWA D	Installs, tests and services water service and distribution	MWA D
TASK 11	Installs, tests and services water services.	TASK 11	TASK 11	Installs, tests and services water service	TASK 11
11.01	Sizes pipe for water services.	11.01	11.01	Plans layout and sizes piping and components for water services	11.01
11.02	Installs piping for water services.	11.02	11.02	Installs piping for water services	11.02
11.03	Installs water service equipment.	11.03	11.03	Installs components for water service	11.03
11.04	Tests water service piping and components.	11.04	11.04	Tests water service piping and components	11.04
11.05	Services water services.	11.05	11.05	Services water service piping and components	11.05
TASK 12	Install, tests and services potable water distribution systems.	TASK 12	TASK 12	Installs, tests and services potable water distribution systems	TASK 12
12.01	Sizes piping and equipment for potable water distribution systems	12.01	12.01	Plans layout and sizes piping and components for potable water distribution systems	12.01
12.02	Installs piping for potable water distribution systems.	12.02	12.02	Installs piping for potable water distribution systems	12.02
12.03	Installs potable water distribution equipment.	12.03	12.03	Installs components for potable water distribution systems	12.03
12.04	Installs cross-connection control devices and methods.	12.04	12.04	Installs cross connection controls	12.04
12.05	Tests potable water distribution systems	12.05	12.05	Tests potable water distribution systems	12.05
12.06	Services potable water distribution systems	12.06	12.06	Services potable water distribution systems	12.06

TASK 13	Installs, tests and services pressure systems.	TASK 13	TASK 13	Installs, tests and services private water pressure systems	TASK 13
13.01	Sizes pressure systems.	13.01	13.01	Plans layout and sizes piping and components for private water pressure systems	13.01
13.02	Installs piping for pressure pumps.	13.02	13.02	Installs piping for private water pressure systems	13.02
13.03	Installs equipment components for pressure systems.	13.03	13.03	Installs components for private water pressure systems	13.03
13.04	Tests pressure systems	13.04	13.04	Tests private water pressure systems	13.04
13.05	Services pressure systems	13.05	13.05	Services private water pressure systems	13.05
MWA E	INSTALLS, TESTS AND SERVICES FIXTURES, APPLIANCES AND WATER TREATMENT SYSTEMS	MWA E	MWA E	Installs, tests and services fixtures, appliances and water treatment systems	MWA E
TASK 14	Installs, tests and services plumbing fixtures and appliances.	TASK 14	TASK 14	Installs, tests and services plumbing fixtures and appliances	TASK 14
14.01	Installs fixture supports.	14.01	14.01	Installs fixture supports	14.01
14.02	Installs plumbing fixtures and appliances.	14.02	14.02	Installs plumbing fixtures and appliances	14.02
14.03	Tests plumbing fixtures and appliances	14.03	14.03	Tests plumbing fixtures and appliances	14.03
14.04	Services plumbing fixtures and appliances	14.04	14.04	Services plumbing fixtures and appliances	14.04
TASK 15	Installs, tests and services water treatment equipment.	TASK 15	TASK 15	Installs, tests and services water treatment systems	TASK 15
15.01	Sizes water treatment equipment.	15.01	15.01	Sizes water treatment systems	15.01
15.02	Installs water treatment equipment.	15.02	15.02	Installs water treatment systems	15.02
15.03	Tests water treatment equipment.	15.03	15.03	Tests water treatment systems	15.03
15.04	Services water treatment equipment.	15.04	15.04	Services water treatment systems	15.04
MWA F	INSTALLS, TESTS AND SERVICES LOW PRESSURE STEAM AND HYDRONIC HEATING AND COOLING SYSTEMS	MWA F	MWA F	Installs, tests and services low pressure steam and hydronic systems	MWA F
TASK 16	Installs, tests and services low pressure steam systems.	TASK 16	TASK 16	Installs, tests and services low-pressure steam systems	TASK 16
16.01	Sizes piping and components for low pressure steam systems.	16.01	16.01	Plans layout and sizes piping and components for low pressure steam systems	16.01
16.02	Installs piping and components for low pressure steam systems.	16.02	16.02	Installs piping and components for low pressure steam systems	16.02
16.03	Tests piping and components for low pressure steam systems.	16.03	16.03	Tests low pressure steam systems	16.03
16.04	Services piping and components for low pressure steam systems.	16.04	16.04	Services piping and components for low pressure steam systems	16.04
TASK 17	Installs, tests and services hydronic heating and cooling piping systems.	TASK 17	TASK 17	Installs, tests and services piping and components for hydronic systems	TASK 17
17.01	Sizes piping and components for hydronic systems.	17.01	17.01	Plans layout and sizes piping and components for hydronic systems	17.01
17.02	Installs piping and components for hydronic systems.	17.02	17.02	Installs piping and components for hydronic systems	17.02, 19.01, 19.02
17.03	Tests piping and components for hydronic systems.	17.03	17.03	Tests hydronic systems	17.03, 19.03
17.04	Services piping and components for hydronic systems.	17.04	17.04	Services hydronic systems	17.04, 19.04
TASK 18	Installs, tests and services hydronic heating and cooling generating systems and equipment.	TASK 18	TASK 18	Installs, tests and services hydronic heating and cooling equipment	TASK 18
18.01	Installs hydronic heating generating systems.	18.01	18.01	Installs hydronic heating equipment	18.01
18.02	Installs hydronic cooling generating systems.	18.02	18.02	Installs hydronic cooling equipment	18.02
18.03	Tests hydronic heating and cooling generating systems and equipment.	18.03	18.03	Tests hydronic heating and cooling equipment	18.03
18.04	Services hydronic heating and cooling generating systems and equipment.	18.04	18.04	Services hydronic heating and cooling equipment	18.04
TASK 19	Installs, tests and services hydronic system controls and transfer units.	TASK 17		Installs, tests and services hydronic system controls and transfer units	TASK 19
19.01	Installs hydronic system controls.	17.02		Installs hydronic system controls	19.01
19.02	Installs hydronic transfer units.	17.02		Installs hydronic transfer units	19.02
19.03	Tests hydronic system controls and transfer units.	17.03		Tests hydronic system controls and transfer units	19.03
19.04	Services hydronic system controls and transfer units.	17.04		Services hydronic system controls and transfer units	19.04
MWA G	INSTALLS, TESTS AND SERVICES FIRE PROTECTION SYSTEMS	deleted		INSTALLS, TESTS AND SERVICES FIRE PROTECTION SYSTEMS	
TASK 20	Installs, tests and services non-potable fire protection systems.	deleted		Installs, tests and services standpipe systems	TASK 22
20.01	Installs non-potable fire protection systems.	deleted		Installs piping and equipment for standpipe systems	22.01
20.02	Tests non-potable fire protection systems.	deleted		Tests standpipe systems	22.02
20.03	Services non-potable fire protection systems.	deleted		Services standpipe systems	22.03
TASK 21	Installs, tests and services flow-through fire protection systems.	TASK 20	MWA G	Installs, tests and services specialized systems	MWA H
21.01	Installs flow-through fire protection systems.	20.02	TASK 19	Installs, tests and services process piping systems	TASK 24
21.02	Tests flow-through fire protection systems.	20.03	19.01	Plans layout and sizes piping and components for process piping systems	NEW
21.03	Services flow-through fire protection systems.	20.04	19.02	Installs piping for process piping systems	24.01
			19.03	Installs components for process piping systems	24.02
TASK 22	Installs, tests and services standpipe systems.	deleted	19.04	Tests process piping systems	24.03
22.01	Installs piping and equipment for standpipe systems	deleted	19.05	Services process piping systems	24.04
22.02	Tests standpipe systems	deleted			
22.03	Services standpipe systems.	deleted	TASK 20	Installs, tests and services potable water fire protection systems	TASK 21
			20.01	Plans layout and sizes piping for potable water fire protection systems	NEW
MWA H	INSTALLS, TESTS AND SERVICES SPECIALIZED PLUMBING SYSTEMS	MWA G	20.02	Installs potable water fire protection systems	21.01
TASK 23	Installs, tests and services piping and equipment for specialized systems	TASK 21	20.03	Tests potable water fire protection systems	21.02
23.01	Installs piping for specialized systems.	21.02	20.04	Services potable water fire protection systems	21.03
23.02	Installs equipment for specialized systems.	21.03			
23.03	Tests piping and equipment for specialized systems	21.04	TASK 21	Installs, tests and services other specialized systems	TASK 23
23.04	Services piping and equipment for specialized systems	21.05	21.01	Plans layout and sizes piping, components and equipment for other specialized systems	NEW
			21.02	Installs piping and components for other specialized systems	23.01
			21.03	Installs equipment for other specialized systems	23.02
TASK 24	Installs, tests and services process piping systems	TASK 19	21.04	Tests other specialized systems	23.03
24.01	Installs piping for process piping systems	19.02	21.05	Services other specialized systems	23.04
24.02	Installs equipment and components for process piping equipment	19.03			
24.03	Tests process piping systems.	19.04			
24.04	Services process piping systems	19.05			