Apprenticeship Manitoba

Tower Crane Operator NOA (2012) Subtask to Unit Comparison

Task 1 - Performs safety-related functions. A2 Trade Safety Awareness 1.01 Uses personal protective equipment A3 Trade Regulatory Environment 1.02 Maintains safe work environment. A7 Trade Safety Awareness 1.02 Maintains safe work environment. A7 Trade Safety Awareness 7 Ift Planning I 2.01 Communicates with others. A7 Lift Planning I 2.02 Uses documentation. A7 Lift Planning I 2.02 Uses documentation. A7 Lift Planning I 2.03 Uses documentation. A7 Lift Planning I 3.04 Inspects structural components. B7 Tower Crane Operation 3.03 Inspects lines and wire ropes. B7 Tower Crane Operation 3.04 Inspects hydraulic system components. B7 Tower Crane Operation 3.04 Inspects lines and wire ropes. B6 Tower Crane Operation 3.04 Inspects support components. B7 Tower Crane Operation 3.05 Inspects lines and wire ropes. B6 Tower Crane Operation 3.04 Inspects lines and wire ropes. B6 Tower Crane Operation 3.05 Inspects support components. B6 Tower Crane Operation		NOA Subtask	Manitoba Unit(s)
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B6 Tower Crane Operation 3.08 Inspects cab components. A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation B2 Maintenance and Regulations B6 Tower Crane Operation B6 Tower Crane Operation B7 Operation B8 Tower Crane Operation B8 Tower Crane Operation B9 Inspects safety and access B10 Hoisting Equipment Operation B2 Maintenance and Regulations	3.07	Inspects track travel components.	A10 Hoisting Equipment Operation
3.08 Inspects cab components. A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation A10 Hoisting Equipment Operation B2 Maintenance and Regulations			B2 Maintenance and Regulations
3.08 Inspects cab components. B2 Maintenance and Regulations B6 Tower Crane Operation 3.09 Inspects safety and access A10 Hoisting Equipment Operation B2 Maintenance and Regulations			
B6 Tower Crane Operation A10 Hoisting Equipment Operation B2 Maintenance and Regulations	3.08	Inspects cab components.	A10 Hoisting Equipment Operation
A10 Hoisting Equipment Operation B2 Maintenance and Regulations			B2 Maintenance and Regulations
3 00 Inspects salety and access B2 Maintenance and Regulations			
3 00 Inspects salety and access B2 Maintenance and Regulations	3.09	Inspects safety and access components.	A10 Hoisting Equipment Operation
B6 Tower Crane Operation			B6 Tower Crane Operation
A10 Hoisting Equipment Operation	3.10	Completes inspection documentation.	A10 Hoisting Equipment Operation
B6 Tower Crane Operation			
Task 4 – Performs continual checks.	Task 4	4 – Performs continual checks.	

NOA Subtask		Manitoba Unit(s)
4.01	Monitors site conditions.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
4.02	Monitors lines and wire ropes.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
4.03	Monitors equipment performance and conditions.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
4.04	Monitors structural and support components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
Task 5	– Performs minor crane maintenance.	Add Heisting Equipment Operation
5.01	Maintains mechanical components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
5.02	Lubricates wire ropes and crane components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
Task 6	- Participates in tower crane assembly,	disassembly and transportation.
6.01	Participates in crane assembly.	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B6 Tower Crane Operation
6.02	Participates in crane disassembly.	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B6 Tower Crane Operation
6.03	Transports self-erecting tower crane. (NOT COMMON CORE)	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B6 Tower Crane Operation
6.04	Participates in assembly and disassembly of self-erecting tower cranes. (NOT COMMON CORE)	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B6 Tower Crane Operation
Task /	7 – Plans lifts.	A6 Load Chart I
7.01	Interprets load charts.	B4 Lift Planning II B6 Tower Crane Operation
7.02	Plans work procedures.	A6 Load Chart I A7 Lift Planning I B4 Lift Planning II
7.03	Prepares for specialty lifts.	A6 Load Chart I A7 Lift Planning I B4 Lift Planning II B6 Tower Crane Operation
Tack 9	Inspects and maintains rigging equip	mont
8.01	Identifies deficiencies in slings and hardware.	A9 Rigging I B5 Rigging I
8.02	Lubricates slings and hardware.	A9 Rigging I B5 Rigging II
8.03	Stores rigging equipment.	A9 Rigging I B5 Rigging II
T . 1 -		
lask 9) – Manages rigging.	A0 Rigging I
9.01	Selects required rigging equipment.	A9 Rigging I B5 Rigging II

	NOA Subtask	Manitoba Unit(s)				
9.02	Rigs load.	A9 Rigging I				
3.02		B5 Rigging II				
9.03	Monitors rigging.	A9 Rigging I				
0.00		B5 Rigging II				
Task 1	Task 10 – Performs pre-lift (warm-up) activities.					
Tuon		A3 Trade Regulatory Environment				
40.04	Defense for the fact	A10 Hoisting Equipment Operation				
10.01	Performs function test.	B2 Maintenance and Regulations				
		B6 Tower Crane Operation				
		A3 Trade Regulatory Environment				
10.02	Confirms limits	A10 Hoisting Equipment Operation				
10.02	Confirms limits.	B2 Maintenance and Regulations				
		B6 Tower Crane Operation				
Task 1	1 – Operates tower cranes.					
	•	A10 Hoisting Equipment Operation				
11.01	Trolleys carriage.	B6 Tower Crane Operation				
44.00		A10 Hoisting Equipment Operation				
11.02	Booms (luffs) up and down.	B6 Tower Crane Operation				
11.00	Swings (alows) iih	A10 Hoisting Equipment Operation				
11.03	Swings (slews) jib.	B6 Tower Crane Operation				
11.04	Hoists load.	A10 Hoisting Equipment Operation				
11.04		B6 Tower Crane Operation				
11.05	Travels crane.	A10 Hoisting Equipment Operation				
11.00		B6 Tower Crane Operation				
11.06	Performs functions simultaneously.	A10 Hoisting Equipment Operation				
	,	B6 Tower Crane Operation				
Task 1	Task 12 – Climbs (raises) tower cranes.					
		A3 Trade Regulatory Environment				
12.01	Derforme bottom elimbing procedures	A8 Crane Assembly, Disassembly and Transport				
12.01	Performs bottom-climbing procedures.	B2 Maintenance and Regulations				
		B6 Tower Crane Operation				
		A3 Trade Regulatory Environment				
12.02	Performs top-climbing procedures.	A8 Crane Assembly, Disassembly and Transport				
12.02		B2 Maintenance and Regulations				
		B6 Tower Crane Operation				
Task 1	3 – Performs specialty tower crane ope	rations.				
		A3 Trade Regulatory Environment				
13.01	Participates in multi-crane lifts.	A3 Trade Regulatory Environment B2 Maintenance and Regulations				
13.01	Participates in multi-crane lifts.	B2 Maintenance and Regulations B6 Tower Crane Operation				
		B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment				
13.01 13.02	Participates in multi-crane lifts. Operates in multi-crane site.	B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations				
		B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation				
13.02	Operates in multi-crane site.	B2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory EnvironmentB2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory Environment				
		B2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory EnvironmentB2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory EnvironmentB2 Maintenance and Regulations				
13.02	Operates in multi-crane site.	B2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory EnvironmentB2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory Environment				
13.02 13.03	Operates in multi-crane site. Hoists personnel.	B2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory EnvironmentB2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory EnvironmentB2 Maintenance and RegulationsB6 Tower Crane OperationA3 Trade Regulatory EnvironmentB2 Maintenance and RegulationsB6 Tower Crane Operation				
13.02 13.03	Operates in multi-crane site.	B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation				
13.02 13.03 Task 1	Operates in multi-crane site. Hoists personnel. 4 – Shuts down and secures tower crar	B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation				
13.02 13.03	Operates in multi-crane site. Hoists personnel.	B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation Mes. A3 Trade Regulatory Environment				
13.02 13.03 Task 1	Operates in multi-crane site. Hoists personnel. 4 – Shuts down and secures tower crar	B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation Mes. A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation				
13.02 13.03 Task 1	Operates in multi-crane site. Hoists personnel. 4 – Shuts down and secures tower crar	B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B6 Tower Crane Operation B7 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation B2 Maintenance and Regulations B6 Tower Crane Operation B3 Trade Regulatory Environment A3 Trade Regulatory Environment				
13.02 13.03 Task 1 14.01	Operates in multi-crane site. Hoists personnel. 4 – Shuts down and secures tower crar Secures crane while leaving controls.	B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B6 Tower Crane Operation B2 Maintenance and Regulatory Environment A10 Hoisting Equipment Operation B6 Tower Crane Operation B7 Maintenance and Regulations B6 Tower Crane Operation B3 Trade Regulatory Environment A3 Trade Regulatory Environment A10 Hoisting Equipment Operation A3 Trade Regulatory Environment A10 Hoisting Equipment Operation				
13.02 13.03 Task 1	Operates in multi-crane site. Hoists personnel. 4 – Shuts down and secures tower crar	B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation Maintenance and Regulatory Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation A3 Trade Regulatory Environment				

NOA Subtask		Manitoba Unit(s)
14.03	Secures crane for extended periods.	A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation

