

## Tower Crane Operator NOA (2012) Subtask to Unit Comparison

NOA Subtask		Manitoba Unit(s)
<b>Task 1 – Performs safety-related functions.</b>		
1.01	Uses personal protective equipment (PPE) and safety equipment.	A2 Trade Safety Awareness A3 Trade Regulatory Environment
1.02	Maintains safe work environment.	A2 Trade Safety Awareness A7 Lift Planning I B4 Lift Planning II
<b>Task 2 – Contributes to workplace organization.</b>		
2.01	Communicates with others.	A7 Lift Planning I B4 Lift Planning II
2.02	Uses documentation.	A6 Load Chart I A7 Lift Planning I B4 Lift Planning II B6 Tower Crane Operation
<b>Task 3 – Performs pre-operational checks and regular inspections.</b>		
3.01	Inspects structural components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.02	Inspects mechanical components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.03	Inspects lines and wire ropes.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.04	Inspects hydraulic system components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.05	Inspects electrical system components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.06	Inspects support components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.07	Inspects track travel components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.08	Inspects cab components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.09	Inspects safety and access components.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
3.10	Completes inspection documentation.	A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
<b>Task 4 – Performs continual checks.</b>		

<b>NOA Subtask</b>		<b>Manitoba Unit(s)</b>
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
<b>Task 5 – Performs minor crane maintenance.</b>		
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
<b>Task 6 – Participates in tower crane assembly, disassembly and transportation.</b>		
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
<b>Task 7 – Plans lifts.</b>		
7.01	Interprets load charts.	A6 Load Chart I 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
<b>Task 8 – Inspects and maintains rigging equipment.</b>		
8.01	Identifies deficiencies in slings and hardware.	A9 Rigging I B5 Rigging II
8.02	Lubricates slings and hardware.	A9 Rigging I B5 Rigging II
8.03	Stores rigging equipment.	A9 Rigging I B5 Rigging II
<b>Task 9 – Manages rigging.</b>		
9.01	Selects required rigging equipment.	A9 Rigging I B5 Rigging II

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9.02	Rigs load.	A9 Rigging I B5 Rigging II
9.03	Monitors rigging.	A9 Rigging I B5 Rigging II
<b>Task 10 – Performs pre-lift (warm-up) activities.</b>		
10.01	Performs function test.	A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
10.02	Confirms limits.	A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
<b>Task 11 – Operates tower cranes.</b>		
11.01	Trolleys carriage.	A10 Hoisting Equipment Operation B6 Tower Crane Operation
11.02	Booms (luffs) up and down.	A10 Hoisting Equipment Operation B6 Tower Crane Operation
11.03	Swings (slews) jib.	A10 Hoisting Equipment Operation B6 Tower Crane Operation
11.04	Hoists load.	A10 Hoisting Equipment Operation B6 Tower Crane Operation
11.05	Travels crane.	A10 Hoisting Equipment Operation B6 Tower Crane Operation
11.06	Performs functions simultaneously.	A10 Hoisting Equipment Operation B6 Tower Crane Operation
<b>Task 12 – Climbs (raises) tower cranes.</b>		
12.01	Performs bottom-climbing procedures.	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B2 Maintenance and Regulations B6 Tower Crane Operation
12.02	Performs top-climbing procedures.	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B2 Maintenance and Regulations B6 Tower Crane Operation
<b>Task 13 – Performs specialty tower crane operations.</b>		
13.01	Participates in multi-crane lifts.	A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation
13.02	Operates in multi-crane site.	A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation
13.03	Hoists personnel.	A3 Trade Regulatory Environment B2 Maintenance and Regulations B6 Tower Crane Operation
<b>Task 14 – Shuts down and secures tower cranes.</b>		
14.01	Secures crane while leaving controls.	A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation
14.02	Secures while unattended.	A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B2 Maintenance and Regulations B6 Tower Crane Operation

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



Rev. 03/2017 – 2019-03