

Mobile Crane Operator NOA (2013) Subtask to Unit Comparison

NOA Subtask		Manitoba Unit(s)
Task 1 – Performs safety-related functions.		
1.01	Maintains a safe work environment.	A2 Trade Safety Awareness A7 Lift Planning I B2 Lift Planning I
1.02	Uses personal protective equipment (PPE) and safety equipment.	A2 Trade Safety Awareness A3 Trade Regulatory Environment
Task 2 – Organizes work.		
2.01	Communicates with others.	A7 Lift Planning I B2 Lift Planning II C1 Journeyperson Trainer
2.02	Uses documentation.	A6 Load Chart I A7 Lift Planning I B2 Lift Planning II B3 Load Chart II
Task 3 – Determines load weights.		
3.01	Identifies the weight.	A6 Load Chart I A7 Lift Planning I B2 Lift Planning II B3 Load Chart II
3.02	Calculates weight.	A5 Trade Math I B1 Trade Math II
Task 4 – Calculates crane capacity.		
4.01	Determines radius and crane configuration.	A6 Load Chart I A7 Lift Planning I B2 Lift Planning II B3 Load Chart II
4.02	Interprets load charts.	A6 Load Chart I B3 Load Chart II
Task 5 – Performs rigging calculations.		
5.01	Performs sling angle calculations.	A5 Trade Math I A9 Rigging I B1 Trade Math II B4 Rigging II C3 Rigging III
5.02	Performs working load limit (WLL) calculations.	A5 Trade Math I A9 Rigging I B1 Trade Math II B4 Rigging II C3 Rigging III
Task 6 – Performs pre-operational checks and regular inspections.		
6.01	Inspects engine systems.	A4 Introduction to Hoisting Equipment A10 Hoisting Equipment Operation

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6.02	Inspects air systems.	A4 Introduction to Hoisting Equipment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
6.03	Inspects electrical systems.	A4 Introduction to Hoisting Equipment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
6.04	Inspects hydraulic systems.	A4 Introduction to Hoisting Equipment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
6.05	Inspects chassis/car body and running gear components.	A4 Introduction to Hoisting Equipment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
6.06	Inspects outriggers and counterweights.	A4 Introduction to Hoisting Equipment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
6.07	Inspects boom components and attachments.	A4 Introduction to Hoisting Equipment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
6.08	Inspects hoisting systems.	A4 Introduction to Hoisting Equipment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 7 – Performs operational and continual checks.		
7.01	Checks operating controls.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
7.02	Inspects monitoring and warning systems.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
7.03	Monitors running lines, hoist lines and standing ropes.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
7.04	Monitors gauges and warning systems.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 8 – Performs minor crane maintenance.		
8.01	Changes oil and filters.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
8.02	Greases crane.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
8.03	Lubricates wire ropes.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
8.04	Makes minor adjustments and replacements.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 9 – Inspects, maintains and stores slings and hardware.		

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9.01	Lubricates slings and hardware.	A9 Rigging I B4 Rigging II C3 Rigging III
9.02	Identifies deficiencies in slings and hardware.	A9 Rigging I B4 Rigging II C3 Rigging III
9.03	Disposes of damaged slings and hardware.	A3 Trade Regulatory Environment A9 Rigging I B4 Rigging II C3 Rigging III
9.04	Stores slings and hardware.	A9 Rigging I B4 Rigging II C3 Rigging III
Task 10 – Follows rigging procedures.		
10.01	Selects required rigging.	A9 Rigging I B4 Rigging II C3 Rigging III
10.02	Rigs load.	A9 Rigging I B4 Rigging II C3 Rigging III
10.03	Monitors rigging.	A9 Rigging I B4 Rigging II C3 Rigging III
Task 11 – Performs pre-lift planning.		
11.01	Participates in routine, engineered and specialty lift planning.	A7 Lift Planning I A10 Hoisting Equipment Operation B2 Lift Planning II B6 Mobile Crane Operation I C2 Mobile Crane Operation II
11.02	Evaluates risks and hazards.	A7 Lift Planning I B2 Lift Planning II
Task 12 – Sets up crane.		
12.01	Performs final site inspection.	A7 Lift Planning I A10 Hoisting Equipment Operation B2 Lift Planning II B6 Mobile Crane Operation I C2 Mobile Crane Operation II
12.02	Positions crane.	A7 Lift Planning I A10 Hoisting Equipment Operation B2 Lift Planning II B6 Mobile Crane Operation I C2 Mobile Crane Operation II
12.03	Completes setup.	A7 Lift Planning I A10 Hoisting Equipment Operation B2 Lift Planning II B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 13 – Loads and unloads components for transport.		
13.01	Loads crane and components.	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
13.02	Unloads crane and components.	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
Task 14 – Drives cranes on public roadways.		

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14.01	Performs pre-trip planning.	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
14.02	Prepares crane for transport.	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
14.03	Drives cranes.	A3 Trade Regulatory Environment A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
Task 15 – Assembles and disassembles lattice boom cranes.		
15.01	Installs tracks on car body (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.02	Installs house (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.03	Installs outrigger boxes (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.04	Installs boom base (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.05	Assembles boom and jib (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.06	Installs counterweights (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.07	Installs hoist lines, hook blocks and overhaul ball (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.08	Removes hoist lines, hook blocks and overhaul ball (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.09	Disassembles boom and jib (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.10	Removes counterweights (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.11	Removes boom base (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.12	Removes house (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.13	Removes tracks from car body (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
15.14	Removes outrigger boxes (lattice boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
Task 16 – Assembles and disassembles telescopic boom cranes.		
16.01	Installs outrigger boxes (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
16.02	Installs main boom (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
16.03	Installs hoist lines, hook blocks and overhaul ball (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
16.04	Installs counterweights (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
16.05	Installs swing-away jibs and inserts (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
16.06	Removes swing-away jibs and inserts (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
16.07	Removes counterweights (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
16.08	Removes hoist lines, hook blocks and overhaul ball (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
16.09	Removes main boom (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport

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16.10	Removes outrigger boxes (telescopic boom).	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport
Task 17 – Assembles and disassembles specialty equipment and attachments.		
17.01	Assembles specialty equipment and attachments.	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport B6 Mobile Crane Operation I C2 Mobile Crane Operation II
17.02	Disassembles specialty equipment and attachments.	A8 Crane Assembly, Disassembly and Transport B5 Mobile Crane Assembly, Disassembly and Transport B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 18 – Performs common craning operations.		
18.01	Configures load moment indicator (LMI).	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
18.02	Mobilizes crane on jobsite.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 19 – Operates friction drive lattice boom cranes.		
19.01	Operates friction drive crawler-mounted lattice boom cranes.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
19.02	Operates friction drive truck-mounted lattice boom cranes.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 20 – Operates hydraulic drive lattice boom cranes.		
20.01	Operates hydraulic drive crawler-mounted lattice boom cranes.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
20.02	Operates hydraulic drive truck-mounted lattice boom cranes.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 21 – Operates telescopic boom cranes.		
21.01	Operates crawler-mounted telescopic cranes.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
21.02	Operates rubber-mounted telescopic cranes.	A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 22 – Performs specialty craning operations.		
22.01	Operates piledriver.	C2 Mobile Crane Operation II
22.02	Performs duty cycle operations.	C2 Mobile Crane Operation II
22.03	Operates cranes on barges.	C2 Mobile Crane Operation II
22.04	Performs multi-crane lifts.	A3 Trade Regulatory Environment B6 Mobile Crane Operation I C2 Mobile Crane Operation II
22.05	Uses personnel hoisting equipment.	A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I C2 Mobile Crane Operation II
Task 23 – Secures crane.		

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23.01	Secures crane for short term.	A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I
23.02	Secures crane for long term.	A3 Trade Regulatory Environment A10 Hoisting Equipment Operation B6 Mobile Crane Operation I



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