

OFFICIAL PROGRAM STANDARDS NOTICE (OPSN)

Issued: April 30, 2024

Program: **MOBILE CRANE OPERATOR**

To: SkilledTradesBC Training Providers
 Articulation Chair
 System Liaison Person
 Youth Train in Trades School Districts
 BC Association for Crane Safety

Subject: **Mobile Crane Operator Program Outline, Program Profile, and Standardized Level Exams (SLEs) Update**

OPSN No.: **OPSN 2024 012**

Effective Date: September 1, 2024

Summary of Change: Please be advised that a new Program Outline and Program Profile have been posted to the SkilledTradesBC website. Changes were made to program content and the credentialing model.

All three levels of the revised Mobile Crane Operator program will be implemented on September 1, 2024, with 1 day of Training Provider Support available at Level 2. A Program Update will be sent including a Transition Plan.

Revised Level 1 and Level 3 SLEs will be implemented on September 1, 2024. SLEs for this program require a minimum score of 70% to pass and are **not** blended with Technical Training marks.

Details: The Mobile Crane Operator Program Review was conducted in June 2022 to align BC’s Mobile Crane Operator Program Outline to the 2021 RSOS. The review process revised content to meet the current industry standard.

There is no change to the trade name, work-based training hours, technical training hours, or number of training levels. There are some changes to the sequencing of technical training.

Mobile Crane Operator	Changes in BC?	What will it be?
Trade name	No	Mobile Crane Operator
Total hours (work-based training and technical training hours)	No	5,400 hours
Training levels	No	3 Levels
Training sequence	Yes	Some changes

- Details (continued):** Changes to the Mobile Crane Operator program in BC are as follows:
- An updated Occupational Analysis Chart (OAC) and changes to competency distribution across program levels. For details, see the attached Competency Migration chart.
 - An updated credentialing model that captures the **removal** of Mobile Crane Operator and Tower Crane Operator Level 1 Common Core and the **introduction** of Mobile Crane Operator Level 1.
 - At industry request, the Common Core Level 1 model has been removed.
 - **Note:** The Mobile Crane Operator and Tower Crane Operator Level 1 SLE remains active in the Tower Crane Operator program standards until further notice.
 - Revised SLEs that align to the updated program.
 - The Level 1 and Level 3 SLEs **do not** require the use of a code book. Please refer to the SkilledTradesBC [website](#) to find exam support material for the **Mobile Crane Operator Level 1 and 3 SLEs** including:
 - Exam Breakdowns, which show the number of questions on the exams per General Area of Competency (GAC) and Competency
 - Acronym lists and formula sheets, which will be included in the exam reference booklet that accompanies the exams

Rationale: At the request of industry, the Canadian Council of Directors of Apprenticeship's (CCDA) Harmonization Initiative was launched in Fall of 2013 and endorsed by the Forum of Labour Market Ministers (FLMM) in 2014. The goal of Harmonization is to substantively align apprenticeship systems across Canada by making apprenticeship training requirements more consistent in the Red Seal trades.

In consultation with stakeholders, the CCDA identified four Harmonization priorities: trade name, total training hours (in-school + work-based training), number of training levels, and the sequencing of training content.

Attachments: **Mobile Crane Operator Competency Migration** (below)

This attachment provides details of the revisions made to the Mobile Crane Operator Program Outline during the review process.

For more information contact: Program Standards
email: programstandards@skilledtradesbc.ca

cc: All Staff

Key

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2024.L = 2024 Mobile Crane Operator Level (1, 2, or 3)

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Summary - Competency Migration

The BC Occupational Analysis Chart (OAC) was aligned to the content of the 2021 Red Seal Occupational Standard (RSOS). Therefore, **competencies have been renamed and restructured**. This chart shows the finalized competency distribution for the Mobile Crane Operator (2024) program. It summarizes the major changes to the competencies from the 2017 program to the 2024 program. For details, see the charts below.

2024 MOBILE CRANE OPERATOR LEVEL 1 (2024.L1)		2024 MOBILE CRANE OPERATOR LEVEL 2 (2024.L2)		2024 MOBILE CRANE OPERATOR LEVEL 3 (2024.L3)	
Line A	USE COMMON OCCUPATIONAL SKILLS	Line A	USE COMMON OCCUPATIONAL SKILLS	Line A	USE COMMON OCCUPATIONAL SKILLS
	A1 Comply with regulations, policies, and manufacturer's manuals				
	A2 Maintain a safe work environment				
	A3 Awareness of energized systems				
Only new content in 2024.L3	A4 Practice effective worksite communications			New	A4 Practice effective worksite communications
Line B	DEFINE CRANE TYPES AND COMPONENT TERMINOLOGY	Line B	DEFINE CRANE TYPES AND COMPONENT TERMINOLOGY	Line B	DEFINE CRANE TYPES AND COMPONENT TERMINOLOGY
	B1 Define crane types and classifications				
	B2 Use crane terminology				
	B3 Describe hydraulic crane systems				
	B4 Describe friction crane systems				
Line C	USE RIGGING	Line C	USE RIGGING	Line C	USE RIGGING
	C1 Identify types of slings and rigging hardware				
	C2 Inspect slings and rigging hardware				
	C3 Maintain and store slings and rigging hardware				
2017.L1→2024.L1/L2	C4 Perform rigging	2017.L1→2024.L1/L2	C4 Perform rigging		
Line D	PERFORM HOISTING CALCULATIONS	Line D	PERFORM HOISTING CALCULATIONS	Line D	PERFORM HOISTING CALCULATIONS
2017.L1→2024.L1/L2	D1 Determine load weights	2017.L1→2024.L1/L2	D1 Determine load weights		
2024.L1/L2←2017.L2	D2 Use a crane capacity chart for a telescoping boom crane	2024.L1/L2←2017.L2	D2 Use a crane capacity chart for a telescoping boom crane		

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2024 MOBILE CRANE OPERATOR LEVEL 1 (2024.L1)		2024 MOBILE CRANE OPERATOR LEVEL 2 (2024.L2)		2024 MOBILE CRANE OPERATOR LEVEL 3 (2024.L3)	
2024.L1/L2←2017.L2	D3 Use a crane capacity chart for a lattice boom crane	2024.L1/L2←2017.L2	D3 Use a crane capacity chart for a lattice boom crane		
Line E	PERFORM CRANE INSPECTION AND MAINTENANCE	Line E	PERFORM CRANE INSPECTION AND MAINTENANCE	Line E	PERFORM CRANE INSPECTION AND MAINTENANCE
	E1 Use tools for basic crane maintenance				
	E2 Perform basic crane maintenance				
	E3 Identify pre-operational inspection components				
2024.L1/L2←2017.L2	E4 Perform a pre-operational inspection for a lattice boom crane	2024.L1/L2←2017.L2	E4 Perform a pre-operational inspection for a lattice boom crane		
2024.L1←2017.L2	E5 Perform a pre-operational inspection for a telescoping boom crane				
	E6 Inspect, maintain, and use crane wire rope				
Line F	PLAN A LIFT	Line F	PLAN A LIFT	Line F	PLAN A LIFT
	F1 Perform ordinary lift planning				
2024.L1/L3←2017.L3	F2 Perform engineered and critical lift plan			2024.L1/L3←2017.L3	F2 Perform engineered and critical lift plan
Line G	PERFORM COMMON CRANE OPERATIONS	Line G	PERFORM COMMON CRANE OPERATIONS	Line G	PERFORM COMMON CRANE OPERATIONS
	G1 Interpret operator manuals				
	G2 Perform pre-operational set-up for a telescopic boom crane				
2024.L1/L2←2017.L2	G3 Perform a lattice boom crane setup	2024.L1/L2←2017.L2	G3 Perform a lattice boom crane setup		
	G4 Perform telescoping boom crane operations and hoisting techniques				
2024.L1/L3←2017.L2	G5 Perform lattice boom crane operations and hoisting techniques			2024.L1/L3←2017.L2	G5 Perform lattice boom crane operations and hoisting techniques
2024.L1←2017.L2	G6 Secure crane				
Line H	ASSEMBLE, DISASSEMBLE, AND TRANSPORT A CRANE	Line H	ASSEMBLE, DISASSEMBLE, AND TRANSPORT A CRANE	Line H	ASSEMBLE, DISASSEMBLE, AND TRANSPORT A CRANE
	H1 Perform crane transportation				
2017.L1→2024.L1/L3	H2 Assemble and disassemble a crane			2017.L1→2024.L1/L3	H2 Assemble and disassemble a crane

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2024 MOBILE CRANE OPERATOR LEVEL 1 (2024.L1)		2024 MOBILE CRANE OPERATOR LEVEL 2 (2024.L2)		2024 MOBILE CRANE OPERATOR LEVEL 3 (2024.L3)	
2017.L1→2024.L1/L3	H3 Assemble and disassemble specialty equipment and attachments			2017.L1→2024.L1/L3	H3 Assemble and disassemble specialty equipment and attachments
Line I	USE SPECIALIZED OPERATIONS	Line I	USE SPECIALIZED OPERATIONS	Line I	USE SPECIALIZED OPERATIONS
2024.L1/L3←2017.L3	I1 Operate with a suspended work platform			2024.L1/L3←2017.L3	I1 Operate with a suspended work platform
		2024.L2←2017.L3	I2 Perform heavy lifts		
		2024.L2/L3←2017.L3	I3 Operate a crane with piledriving equipment and duty cycle operations	2024.L2/L3←2017.L3	I3 Operate a crane with piledriving equipment and duty cycle operations
		2024.L2/L3←2017.L3	I4 Perform multiple crane lifts	2024.L2/L3←2017.L3	I4 Perform multiple crane lifts
					I5 Operate a crane on a floating platform

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Details – Competency Migration

This chart shows where content from the 2017 Mobile Crane Operator program (2017.L) moved to in the 2024 Mobile Crane Operator program (2024.L) and includes details of content that was moved or split across levels.

2017 MOBILE CRANE OPERATOR LEVEL 1 (2017.L1) to 2024 MOBILE CRANE OPERATOR LEVEL 1 (2024.L1)

2017 MCO LEVEL 1 (2017.L1)	2024 MCO LEVEL 1 (2024.L1)	MIGRATION	DETAILS
Line A – SAFETY	Line A – USE COMMON OCCUPATIONAL SKILLS		
A1 – Comply with regulations, policies, and manufacturers’ manuals	A1 – Comply with regulations, policies, and manufacturers’ manuals	N/A	
A2 – Maintain a safe working environment	A2 – Maintain a safe working environment	N/A	
A3 – Follow emergency procedures	A1 – Comply with regulations, policies, and manufacturers’ manuals	N/A	
A4 – Be aware of power line hazards	A3 – Awareness of energized systems	N/A	
A5 – Practice effective worksite communications	A4 – Practice effective worksite communications	N/A	
Line B – TYPES AND TERMINOLOGY	Line B – DEFINE CRANE TYPES AND COMPONENT TERMINOLOGY		
B1 – Define types of cranes	B1 – Define crane types and classifications	N/A	
B2 – Define crane classifications	B1 – Define crane types and classifications B4 – Describe friction crane systems	N/A	
B3 – Use crane terminology	B2 – Use crane terminology	N/A	
Line C – SYSTEMS AND COMPONENTS	Line E – PERFORM CRANE INSPECTION AND MAINTENANCE		
C1 – Describe the components and functions of carrier systems, outrigger systems, and turntable assemblies	E3 – Identify pre-operational inspection components	N/A	
C2 – Describe the components and functions of power plants and drive systems	E3 – Identify pre-operational inspection components	N/A	
C3 – Describe the components and functions of pneumatic systems, hydraulic systems, and electrical systems	B3 – Describe hydraulic crane systems E3 – Identify pre-operational inspection components	N/A	
C4 – Describe the components and functions of steering systems and braking systems	E3 – Identify pre-operational inspection components	N/A	
C5 – Describe the components and functions of hoisting systems and attachments	E3 – Identify pre-operational inspection components	N/A	

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2017 MCO LEVEL 1 (2017.L1)	2024 MCO LEVEL 1 (2024.L1)	MIGRATION	DETAILS
C6 - Describe the functions of safety components, devices, and aids	E3 - Identify pre-operational inspection components	N/A	
Line D - WIRE ROPE AND RIGGING	Line C - USE RIGGING		
D1 - Specify types of wire rope and their uses	E6 - Inspect, maintain, and use crane wire rope	N/A	
D2 - Follow wire rope installation procedures	E6 - Inspect, maintain, and use crane wire rope	N/A	
D3 - Inspect wire rope, slings, and rigging hardware	C2 - Inspect slings and rigging hardware	N/A	
D4 - Specify types of slings, rigging hardware, and their uses	C1 - Identify types of slings and rigging hardware	N/A	
D5 - Use rigging techniques	C4 - Perform rigging	2017.L1→2024.L1/L2	Content for Level 1 remains the same with advanced content added to Level 2 2024.L1 = Determine & use rigging on a basic load 2024.L2 = Determine & use rigging on a non-symmetrical load
D6 - Maintain and store wire rope, slings, and rigging hardware	C3 - Maintain and store slings and rigging hardware	N/A	
Line E - LIFT PLANNING	Line D - PERFORM HOISTING CALCULATIONS Line F - PLAN A LIFT		
E1 - Follow site assessment procedures	F1 - Perform ordinary lift planning	N/A	
E2 - Determine load weights	D1 - Determine load weights	2017.L1→2024.L1/L2	Content for Level 1 remains the same with advanced content added to Level 2 2024.L1 = Determine crane loads and weight of basic-shaped load 2024.L2 = Calculate load weights for complex-shaped object
E3 - Determine crane lifting capacity	F1 - Perform ordinary lift planning	N/A	
E4 - Determine rigging requirements	C4 - Perform rigging	2017.L1→2024.L1/L2	Content from Level 1 was split across Levels 1 and 2 2024.L1 = Determine & use rigging on a basic load 2024.L2 = Determine & use rigging on a non-symmetrical load
	D2 - Use a crane capacity chart for a telescoping boom crane	2024.L1/L2←2017.L2	Content from Level 2 was split across Levels 1 and 2 2024.L1 = Interpret a basic telescoping boom crane load chart 2024.L2 = Interpret a telescoping boom crane load chart
	D3 - Use a crane capacity chart for a lattice boom crane	2024.L1/L2←2017.L2	Content from Level 2 was split across Levels 1 and 2 2024.L1 = Interpret hydraulic lattice boom crane load chart

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2017 MCO LEVEL 1 (2017.L1)	2024 MCO LEVEL 1 (2024.L1)	MIGRATION	DETAILS
			2024.L2 = Interpret hydraulic and friction lattice boom crane load chart
	F2 - Perform engineered and critical lift plan	2024.L1/L3←2017.L3	Content for Level 3 remains the same with introductory content added to Level 1 2024.L1 = Describe elements and regulatory definitions of a critical lift plan 2024.L3 = Complete a critical lift plan
Line F - CRANE APPLICATIONS	Line G - PERFORM COMMON CRANE OPERATIONS		
F1 - Interpret operator manuals	G1 - Interpret operator manuals	N/A	
F2 - Perform a pre-operational inspection	E3 - Identify pre-operational inspection components	N/A	
F3 - Perform a pre-operational setup	G2 - Perform a pre-operational set-up for a telescopic boom crane	N/A	
F4 - Demonstrate hoisting techniques	G4 - Perform telescoping boom crane operations and hoisting techniques	N/A	
F5 - Operate a 20-80 tonne telescoping boom crane		Removed	Content removed per SMEs
F6 - Operate a tower crane		Removed	Tower Crane competency removed from Level 1
F7 - Leave a crane unattended	G6 - Secure crane	N/A	
	G3 - Perform a lattice boom crane set-up	2024.L1/L2←2017.L2	Content for Level 2 remains the same with introductory content added to Level 1 2024.L1 = Describe a lattice boom crane setup 2024.L2 = Perform a lattice boom crane setup
	G5 - Perform lattice boom crane operations and hoisting techniques	2024.L1/L3←2017.L2	Content was removed from Level 2 and split across Levels 1 and 3 2024.L1 = Describe hydraulic and friction boom crane operations and techniques 2024.L3 = Perform lattice boom crane operation
Line G - TRANSPORTING A CRANE	Line H - ASSEMBLE, DISASSEMBLE, AND TRANSPORT A CRANE		
G1 - Define Commercial Transport Regulations	H1 - Perform crane transportation	N/A	
G2 - Prepare a crane for travel	H1 - Perform crane transportation	N/A	
G3 - Prepare a crane for transport	H1 - Perform crane transportation	N/A	
	H2 - Assemble and disassemble a crane	2017.L1→2024.L1/L3	Content from Level 1 was split across Levels 1 and 3

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2017 MCO LEVEL 1 (2017.L1)	2024 MCO LEVEL 1 (2024.L1)	MIGRATION	DETAILS
G4 - Assemble and disassemble a crane			2024.L1 = Describe the assembly and disassembly of a telescopic and lattice boom crane 2024.L3 = Assemble and disassemble a lattice boom crane
	H3 - Assemble and disassemble specialty equipment and attachments	2017.L1 → 2024.L1/L3	Content from Level 1 was split across Levels 1 and 3 2024.L1 = Describe the assembly and disassembly of specialty equipment and attachments 2024.L3 = Assemble and disassemble a crane attachment
Line H - CRANE MAINTENANCE	Line E - PERFORM CRANE INSPECTION AND MAINTENANCE		
H1 - Use tools for basic crane maintenance	E1 - Use tools for basic crane maintenance	N/A	
H2 - Perform basic crane maintenance	E2 - Perform basic crane maintenance	N/A	
	E4 - Perform a pre-operational inspection for a lattice boom crane	2024.L1/L2 ← 2017.L2	Content for Level 2 remains the same with introductory content added to Level 1 2024.L1 = Describe pre-op inspection for a hydraulic lattice boom crane 2024.L2 = Perform a pre-op inspection on a lattice boom crane
	E5 - Perform a pre-operational inspection for a telescoping boom crane	2024.L1 ← 2017.L2	Content moved from 2017.L2 to 2024.L1
	Line I - USE SPECIALIZED OPERATIONS		
	I1 - Operate with a suspended work platform	2024.L1/L3 ← 2017.L3	Content for Level 3 remains the same with introductory content added to Level 1 2024.L1 = Describe operating with a suspended work platform 2024.L3 = Operate with a suspended work platform

This is the end of the 2017 MCO Level 1 to 2024 MCO Level 1 comparative.
The 2017 MCO Level 2 to 2024 MCO Level 2 comparative begins on the next page.

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2017 MOBILE CRANE OPERATOR LEVEL 2 (2017.L2) to 2024 MOBILE CRANE OPERATOR LEVEL 2 (2024.L2)

2017 MCO LEVEL 2 (2017.L2)	2024 MCO LEVEL 2 (2024.L2)	MIGRATION	DETAILS
	Line C – USE RIGGING		
	C4 - Perform rigging	2017.L1→2024.L1/L2	Content for Level 1 remains the same with advanced content added to Level 2 2024.L1 = Determine & use rigging on a basic load 2024.L2 = Determine & use rigging on a non-symmetrical load
Line I – LIFT PLANNING – TELESCOPING BOOM CRANE	Line D – PERFORM HOISTING CALCULATIONS		
	D1 - Determine load weights	2017.L1→2024.L1/L2	Content for Level 1 remains the same with advanced content added to Level 2 2024.L1 = Determine crane loads and weight of basic-shaped load 2024.L2 = Calculate load weights for complex-shaped object
I1 – Conduct a site assessment for a telescoping boom crane	F1 - Perform ordinary lift planning	2024.L1←2017.L2	Content combined with F1 in Level 1
I2 – Use a crane capacity chart for a telescoping boom crane	D2 - Use a crane capacity chart for a telescoping boom crane	2024.L1/L2←2017.L2	Content from Level 2 was split across Levels 1 and 2 2024.L1 = Interpret a basic telescoping boom crane load chart 2024.L2 = Interpret a telescoping boom crane load chart
Line J – TELESCOPING BOOM CRANE OPERATIONS			
J1 – Interpret operating manuals for a telescoping boom crane		2024.L1←2017.L2	Content combined with G1 in Level 1
J2 – Perform a pre-operational inspection for a telescoping boom crane		2024.L1←2017.L2	Content moved to E5 in Level 1
J3 – Perform a pre-operational setup for a telescoping boom crane		2024.L1←2017.L2	Content combined with F1 in Level 1
J4 – Perform hoisting techniques for a telescoping boom crane		2024.L1←2017.L2	Content combined with G4 in Level 1
J5 – Operate a 20-80 tonne telescoping boom crane with a slewing upper structure		2024.L1←2017.L2	Content combined with G4 in Level 1
J6 – Leave a telescoping boom crane unattended		2024.L1←2017.L2	Content combined with G6 in Level 1

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2017 MCO LEVEL 2 (2017.L2)	2024 MCO LEVEL 2 (2024.L2)	MIGRATION	DETAILS
Line K – LIFT PLANNING – LATTICE BOOM HYDRAULIC CRANE			
K1 – Conduct a site assessment for a lattice boom hydraulic crane		2024.L1←2017.L2	Content combined with F1 in Level 1
K2 – Use a crane capacity chart for a lattice boom hydraulic crane	D3 – Use a crane capacity chart for a lattice boom crane	2024.L1/L2←2017.L2	Content from Level 2 was split across Levels 1 and 2 2024.L1 = Interpret hydraulic lattice boom crane load chart 2024.L2 = Interpret hydraulic and friction lattice boom crane load chart
Line L – LATTICE BOOM HYDRAULIC CRANE OPERATIONS	Line G – PERFORM COMMON CRANE OPERATIONS		
L1 – Interpret operating manuals for a lattice boom hydraulic crane		2024.L1←2017.L2	Content combined with G1 in Level 1
L2 – Perform a pre-operational inspection for a lattice boom hydraulic crane	E4 – Perform a pre-operational inspection for a lattice boom crane	2024.L1/L2←2017.L2	Content in Level 2 remains the same with introductory content added to Level 1 2024.L1 = Describe pre-operation inspection for a hydraulic lattice boom crane 2024.L2 = Perform a pre-operation inspection on a lattice boom crane
L3 – Perform a pre-operational setup for a lattice boom hydraulic crane	G3 – Perform a lattice boom crane set-up	2024.L1/L2←2017.L2	Content for Level 2 remains the same with introductory content added to Level 1 2024.L1 = Describe a lattice boom crane set-up 2024.L2 = Perform a lattice boom crane set-up
L4 – Perform hoisting techniques for a lattice boom hydraulic crane		2024.L1/L3←2017.L2	Content moved to G5 in Levels 1 & 3
L5 – Operate a lattice boom hydraulic crane		2024.L1/L3←2017.L2	Content moved to G5 in Levels 1 & 3
L6 – Leave a lattice boom hydraulic crane unattended		2024.L1←2017.L2	Content moved to G6 in Level 1
Line M – LIFT PLANNING – LATTICE BOOM FRICTION CRANE			
M1 – Conduct a site assessment for a lattice boom friction crane		2024.L1←2017.L2	Content combined with F1 in Level 1
M2 – Use a crane capacity chart for a lattice boom friction crane	D3 – Use a crane capacity chart for a lattice boom crane	N/A	

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2017 MCO LEVEL 2 (2017.L2)	2024 MCO LEVEL 2 (2024.L2)	MIGRATION	DETAILS
Line N - LATTICE BOOM FRICTION CRANE OPERATIONS	Line G - PERFORM COMMON CRANE OPERATIONS		
N1 - Interpret operating manuals for a lattice boom friction crane		2024.L1←2017.L2	Content moved to G1 in Level 1
N2 - Perform a pre-operational inspection for a lattice boom friction crane	E4 - Perform a pre-operational inspection for a lattice boom crane	2024.L1/L2←2017.L2	Content for Level 2 remains the same with introductory content added to Level 1 2024.L1 = Describe pre-operation inspection for a hydraulic lattice boom crane 2024.L2 = Perform a pre-operation inspection on a lattice boom crane
N3 - Perform a pre-operational setup for a lattice boom friction crane		2024.L1←2017.L2	Content moved to F1 in Level 1
N4 - Perform hoisting techniques for a lattice boom friction crane		2024.L1/L3←2017.L2	Content moved to G5 in Levels 1 & 3
N5 - Operate a lattice boom friction crane		2024.L1/L3←2017.L2	Content moved to G5 in Levels 1 & 3
N6 - Leave a lattice boom friction crane unattended		2024.L1←2017.L2	Content moved from Level 2 and combined with G6 in Level 1
	Line I - USE SPECIALIZED OPERATIONS		
	I2 - Perform heavy lifts	2024.L2←2017.L3	Content moved from Level 3 to Level 2
	I3 - Operate a crane with piledriving equipment and duty cycle operations	2024.L2/L3←2017.L3	Content from Level 3 was split across Levels 2 and 3 2024.L2 = Describe piledriving equipment 2024.L3 = Describe duty cycle operations
	I4 - Perform multiple crane lifts	2024.L2/L3←2017.L3	Content for Level 3 remains the same with introductory content added to Level 2 2024.L2 = Describe a multiple crane lift 2024.L3 = Perform a multiple crane lift

**This is the end of the 2017 MCO Level 2 to 2024 MCO Level 2 comparative.
The 2017 MCO Level 3 to 2024 MCO Level 3 comparative begins on the next page.**

Key

Black Text = No change to level

2017.L = 2017 Mobile Crane Operator Level (1, 2, or 3)

2024.L = 2024 Mobile Crane Operator Level (1, 2, or 3)

Blue Text = Content moved to lower level = 2024.L ← 2017.L

Purple Text = Content moved to higher level = 2017.L → 2024.L

Green Text = New content added

2017 MOBILE CRANE OPERATOR LEVEL 3 (2017.L3) to 2024 MOBILE CRANE OPERATOR LEVEL 3 (2024.L3)

2017 MCO LEVEL 3 (2017.L3)	2024 MCO LEVEL 3 (2024.L3)	MIGRATION	DETAILS
	Line A – USE COMMON OCCUPATIONAL SKILLS		
	A4 – Practice effective worksite communications	New from 2021 RSOS	2024.L3 = Demonstrate effective mentoring techniques and communication practices Note: Level 1 content did not move
Line O – SPECIALIZED OPERATIONS	Line F – PLAN A LIFT Line I – USE SPECIALIZED OPERATIONS		
O1 – Operate the positioning of a suspended work platform	I1 – Operate with a suspended work platform	2024.L1/L3←2017.L3	Content for Level 3 remains the same with introductory content added to Level 1 2024.L1 = Describe operating with a suspended work platform 2024.L3 = Operate with a suspended work platform
O2 – Perform engineered lifts	F2 – Perform engineered and critical lift plan	2024.L1/L3←2017.L3	Content for Level 3 remains the same with introductory content added to Level 1 2024.L1 = Describe elements and regulatory definitions of a critical lift plan 2024.L3 = Complete a critical lift plan
O3 – Perform heavy lifts		2024.L2←2017.L3	Content moved to I2 in Level 2
O4 – Perform dragline and clamshell operations	I3 – Operate a crane with piledriving equipment and duty cycle operations	2024.L2/L3←2017.L3	Content from Level 3 was split across Levels 2 and 3 2024.L2 = Describe piledriving equipment 2024.L3 = Describe duty cycle operations
O5 – Perform foundation and shoring operations	I3 – Operate a crane with piledriving equipment and duty cycle operations	2024.L2/L3←2017.L3	Content from Level 3 was split across Levels 2 and 3 2024.L2 = Describe piledriving equipment 2024.L3 = Describe duty cycle operations
O6 – Perform multiple crane lifts	I4 – Perform multiple crane lifts	2024.L2/L3←2017.L3	Content for Level 3 remains the same with introductory content added to Level 2 2024.L2 = Describe a multiple crane lift 2024.L3 = Perform a multiple crane lift
O7 – Describe lifting an object into or out of water	I5 – Operate a crane on a floating platform	N/A	
	Line G – PERFORM COMMON CRANE OPERATIONS		
	G5 – Perform lattice boom crane operations and hoisting techniques	2024.L1/L3←2017.L2	Content was removed from Level 2 and split across Levels 1 and 3 2024.L1 = Describe hydraulic and friction boom crane operations and techniques 2024.L3 = Perform lattice boom crane operation

Key

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2024.L = 2024 Mobile Crane Operator Level (1, 2, or 3)

Blue Text = Content moved to lower level = 2024.L ← 2017.L

Purple Text = Content moved to higher level = 2017.L → 2024.L

Green Text = New content added

2017 MCO LEVEL 3 (2017.L3)	2024 MCO LEVEL 3 (2024.L3)	MIGRATION	DETAILS
	Line H – ASSEMBLE, DISASSEMBLE, AND TRANSPORT A CRANE		
	H2 – Assemble and disassemble a crane	2017.L1→2024.L1/L3	Content from Level 1 was split across Levels 1 and 3 2024.L1 = Describe the assembly and disassembly of a telescopic and lattice boom crane 2024.L3 = Assemble and disassemble a lattice boom crane
	H3 – Assemble and disassemble specialty equipment and attachments	2017.L1→2024.L1/L3	Content from Level 1 was split across Levels 1 and 3 2024.L1 = Describe the assembly and disassembly of specialty equipment and attachments 2024.L3 = Assemble and disassemble a crane attachment

This is the end of the 2017 MCO Level 3 to 2024 MCO Level 3 comparative.