

## Boilermaker NOA (2012) Subtask to Unit Comparison

NOA Subtask		Manitoba Unit(s)
<b>Task 1 – Uses and maintains tools and equipment.</b>		
1.01	Maintains tools and equipment.	A4 Safety Equipment, W.C.B. and Interpersonal and Essential Skills E2 Hand and Power Tools E8 Power Tools Electric and Pneumatic E9 Instruments and Shop Equipment
1.02	Uses platforms and access equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments A4 Safety Equipment, W.C.B. and Interpersonal and Essential Skills E2 Hand and Power Tools E8 Power Tools Electric and Pneumatic E9 Instruments and Shop Equipment
1.03	Uses aerial work platforms.	B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B6 Lifting Practices A4 Safety Equipment, W.C.B. and Interpersonal and Essential Skills E2 Hand and Power Tools E8 Power Tools Electric and Pneumatic E9 Instruments and Shop Equipment
1.04	Maintains rigging equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts
<b>Task 2 – Performs safety related functions.</b>		
2.01	Uses personal protective equipment (PPE) and safety equipment.	A1 Trade Safety Awareness A2 Orientation I: Structure/Scope of Trade A3 Common Hazards A4 Safety Equipment, W.C.B. and Interpersonal and Essential Skills A5 Emergency First Aid and C.P.R.
2.02	Maintains personal protective equipment (PPE) and safety equipment.	A1 Trade Safety Awareness A2 Orientation I: Structure/Scope of Trade A3 Common Hazards A4 Safety Equipment, W.C.B. and Interpersonal and Essential Skills A5 Emergency First Aid and C.P.R.
2.03	Maintains safe work environment.	A1 Trade Safety Awareness A2 Orientation I: Structure/Scope of Trade A3 Common Hazards A4 Safety Equipment, W.C.B. and Interpersonal and Essential Skills A5 Emergency First Aid and C.P.R.
2.04	Monitors confined spaces.	A1 Trade Safety Awareness A2 Orientation I: Structure/Scope of Trade A3 Common Hazards A4 Safety Equipment, W.C.B. and Interpersonal and Essential Skills

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		A5 Emergency First Aid and C.P.R.
<b>Task 3 – Organizes work.</b>		
3.01	Organizes project tasks and procedures.	C1 Basic Materials C2 Materials Preparation and Assembly C4 Introduction to Layout E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three F4 Introduction to Other Heavy Industries A6 Orientation II: Journeywork A7 Pre-IP Review: Examination Review
3.02	Uses drawings and specifications.	C3 Basic Drafting C4 Introduction to Layout C5 Drawing Interpretation One C6 Layout and Fabricating C7 Drawing Interpretation Two
3.03	Handles materials and components.	C2 Materials Preparation and Assembly E4 Trade Related Components
3.04	Demobilizes site.	C2 Materials Preparation and Assembly E4 Trade Related Components A1 Trade Safety Awareness A2 Orientation I: Structure/Scope of Trade A3 Common Hazards A4 Safety Equipment, W.C.B. and Interpersonal and Essential Skills A5 Emergency First Aid and C.P.R.
<b>Task 4 – Performs cutting and welding activities.</b>		
4.01	Cuts material.	D2 Oxy-fuel Cutting D3 Cutting, Welding and Related Processes
4.02	Prepares joints for fitting.	D1 Electric Arc Welding D2 Oxy-fuel Cutting D3 Cutting, Welding and Related Processes
4.03	Fits joints.	D1 Electric Arc Welding D2 Oxy-fuel Cutting D3 Cutting, Welding and Related Processes E6 Fibreglass fitting E13 Fitting
4.04	Performs tack welds.	D1 Electric Arc Welding D2 Oxy-fuel Cutting D3 Cutting, Welding and Related Processes
<b>Task 5 – Plans lift.</b>		
5.01	Determines load.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
5.02	Performs pre-lift analysis.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle

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		B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
5.03	Selects rigging and hoisting equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
5.04	Secures lift area.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
<b>Task 6 – Rigs load.</b>		
6.01	Inspects rigging equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
6.02	Fabricates rigging equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
6.03	Inspects rigging equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments

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		B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
6.04	Attaches rigging equipment to load.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
<b>Task 7 – Hoist loads.</b>		
7.01	Inspects hoisting equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
7.02	Assembles Maintains hoisting equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
7.03	Performs hoisting operations.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
7.04	Secures load before rigging removal.	B1 Ropes B2 Hoisting

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		B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
<b>Task 8 – Performs post-lift activities.</b>		
8.01	Conducts post-lift inspection.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
8.02	Uses drawings and specifications.	C3 Basic Drafting C4 Introduction to Layout C5 Drawing Interpretation One C6 Layout and Fabricating C7 Drawing Interpretation Two
8.03	Disassembles hoisting equipment.	B1 Ropes B2 Hoisting B3 Wire Rope and Attachments B4 Block and Tackle B5 Wire Rope Drums, Aerial Access and Equipment and Scaffolds B7 Advanced Block and Tackle B8 Advanced Cranes B9 Hoisting and Jacking Equipment and Engineered Lifts E1 Trade Mathematics One E7 Trade Mathematics Two E14 Trade Mathematics Three
<b>Task 9 – Performs fabrication.</b>		
9.01	Lays out components for fabrication.	C4 Introduction to Layout C6 Layout and Fabricating C8 Layout E4 Trade Related Components
9.02	Cuts components for fabrication.	C4 Introduction to Layout C6 Layout and Fabricating C8 Layout E4 Trade Related Components
9.03	Forms components for fabrication.	C4 Introduction to Layout C6 Layout and Fabricating C8 Layout E4 Trade Related Components
9.04	Constructs components.	C4 Introduction to Layout C6 Layout and Fabricating C8 Layout E4 Trade Related Components

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<b>Task 10 – Assembles and fits vessels and components.</b>		
10.01	Aligns vessels and components.	E4 Trade Related Components E5 Identification of Pressure Vessels D3 Cutting, Welding and Related Processes C8 Layout E13 Fitting
10.02	Fits vessels and components.	E4 Trade Related Components E5 Identification of Pressure Vessels D3 Cutting, Welding and Related Processes C8 Layout E13 Fitting
<b>Task 11 – Fastens components.</b>		
11.01	Bolts components.	E4 Trade Related Components E5 Identification of Pressure Vessels D3 Cutting, Welding and Related Processes
11.02	Expands tubes.	E4 Trade Related Components
11.03	Lays up fibreglass.	E6 Fibreglass Fitting
<b>Task 12 – Services vessels and components.</b>		
12.01	Inspects vessels and components for defects.	E4 Trade Related Components E5 Identification of Pressure Vessels E12 Inspection/Testing of Materials
12.02	Upgrades vessels and components.	E4 Trade Related Components E5 Identification of Pressure Vessels E12 Inspection/Testing of Materials
12.03	Replaces vessels and components.	E4 Trade Related Components E5 Identification of Pressure Vessels E12 Inspection/Testing of Materials
12.04	Prepares vessels and components for maintenance.	E4 Trade Related Components E5 Identification of Pressure Vessels E12 Inspection/Testing of Materials
12.05	Repairs vessels and components.	E4 Trade Related Components E5 Identification of Pressure Vessels E10 Metallurgy Two E12 Inspection/Testing of Materials
12.06	Performs preventative maintenance.	A8 Business Practices F1 Boilers F2 Condensers and Exchangers F3 Tanks
12.07	Tests materials, vessels and components.	E3 Metallurgy One E4 Trade Related Components E5 Identification of Pressure Vessels E10 Metallurgy Two E11 Heat Treatment E12 Inspection/Testing of Materials E15 Advanced Metallurgy
<b>Task 13 – Removes vessels and components.</b>		
13.01	Dismantles vessels and components.	F1 Boilers F2 Condensers and Exchangers F3 Tanks
13.02	Removes materials.	F1 Boilers F2 Condensers and Exchangers F3 Tanks