

Ironworker (Generalist) NOA (2007) Subtask-to-Unit Comparison

NOA Subtask		Manitoba Unit(s)
Task 1 - Interprets occupational documentation.		
1.01	Interprets drawings and specifications.	B2 Communication and Trade Documentation B3 Drawings
1.02	Interprets standards, regulations and procedures.	A1 Orientation I: Structure/Scope of Trade Learning A2 Trade Safety Awareness A6 Orientation II: The Job of Journeywork A7 Certification Exam Preparation (CEP) B2 Communication and Trade Documentation D1 Access Equipment D2 Hoisting, Lifting and Rigging
Task 2 - Communicates in the workplace.		
2.01	Communicates with co-workers.	A1 Orientation I: Structure/Scope of Trade Learning A6 Orientation II: The Job of Journeywork B2 Communication and Trade Documentation
2.02	Communicates with other disciplines.	A1 Orientation I: Structure/Scope of Trade Learning A6 Orientation II: The Job of Journeywork B2 Communication and Trade Documentation
2.03	Communicates with apprentices.	A1 Orientation I: Structure/Scope of Trade Learning A6 Orientation II: The Job of Journeywork B2 Communication and Trade Documentation
2.04	Uses hand signals.	B2 Communication and Trade Documentation
2.05	Communicates electronically.	A1 Orientation I: Structure/Scope of Trade Learning A6 Orientation II: The Job of Journeywork B1 Computer Applications & the ironworker Trade B2 Communication and Trade Documentation
Task 3 - Uses and maintains tools and equipment.		
3.01	Uses hand tools.	A3 Tools and Equipment
3.02	Uses power tools.	A3 Tools and Equipment A4 Machinery & Equipment
3.03	Uses bending tools and equipment.	A3 Tools and Equipment A4 Machinery & Equipment E1 Reinforcing I
3.04	Uses powder-actuated tools.	A3 Tools and Equipment
3.05	Uses aerial work platforms.	D1 Access Equipment
3.06	Uses ladders.	D1 Access Equipment
3.07	Uses scaffolding.	D1 Access Equipment
3.08	Uses personal protective equipment (PPE).	A2 Trade Safety Awareness
3.09	Uses surveying equipment.	A3 Tools and Equipment
3.10	Uses welding equipment.	C1 Oxy-fuel Cutting C2 Introduction to Welding C3 Welding II C4 Plasma Arc Cutting
3.11	Uses thermal and oxy-fuel cutting equipment.	C1 Oxy-fuel Cutting C2 Introduction to Welding C3 Welding II C4 Plasma Arc Cutting

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Task 4 - Organizes work.		
4.01	Organizes materials and supplies.	A5 Work Planning A6 Orientation II: The Job of Journeywork B1 Computer Applications & the Ironworker Trade B2 Communication and Trade Documentation
4.02	Marks layouts.	A4 Machinery and Equipment B2 Communication and Trade Documentation B3 Drawings E4 Pre-Cast Concrete Erection and Dismantling F1 Structural Components F3 Structural Steel Erection and Dismantling F2 Pre-Engineered Structures G1 Ornamental Ironwork G2 Miscellaneous Ironwork
4.03	Maintains safe work environment.	A2 Trade Safety Awareness A6 Orientation II: The Job of Journeywork
4.04	Assesses site hazards.	A2 Trade Safety Awareness A6 Orientation II: The Job of Journeywork
4.05	Plans work tasks.	A4 Work Planning A6 Orientation II: The Job of Journeywork
Task 5 - Selects rigging equipment		
5.01	Matches load to lift capability.	D2 Hoisting, Lifting and Rigging D3 Introduction to Cranes
5.02	Inspects rigging equipment.	D2 Hoisting, Lifting and Rigging
5.03	Maintains rigging equipment.	D2 Hoisting, Lifting and Rigging
Task 6 - Uses hoisting and lifting equipment.		
6.01	Uses hoisting equipment.	D2 Hoisting, Lifting and Rigging
6.02	Uses lifting equipment.	D2 Hoisting, Lifting and Rigging
6.03	Attaches rigging to load.	D2 Hoisting, Lifting and Rigging
Task 7 - Assembles and erects cranes.		
7.01	Assesses site hazards	D3 Introduction to Cranes
7.02	Determines crane position.	D3 Introduction to Cranes D4 Hydraulic & Conventional Cranes D5 Tower Cranes D6 Electric Overhead Travelling Cranes
7.03	Prepares bases.	D3 Introduction to Cranes D4 Hydraulic & Conventional Cranes D5 Tower Cranes
7.04	Erects cranes.	D3 Introduction to Cranes D4 Hydraulic & Conventional Cranes D5 Tower Cranes D6 Electric Overhead Travelling Cranes
Task 8 - Disassembles cranes.		
8.01	Disassembles crane components.	D3 Introduction to Cranes D4 Hydraulic & Conventional Cranes D5 Tower Cranes D6 Electric Overhead Travelling Cranes
8.02	Prepares crane for transport.	D3 Introduction to Cranes D4 Hydraulic & Conventional Cranes D5 Tower Cranes
Task 9 - Fabricates on-site.		
9.01	Cuts material.	E1 Reinforcing I E2 Reinforcing II
9.02	Bends material.	E1 Reinforcing I E2 Reinforcing II

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Task 10 - Installs reinforcing material.		
10.01	Places reinforcing material.	E1 Reinforcing I E2 Reinforcing II
10.02	Ties material.	E1 Reinforcing I E2 Reinforcing II
10.03	Joins material.	E1 Reinforcing I E2 Reinforcing II
Task 11 - Places pre-stressed/post-tensioning systems.		
11.01	Sets up stressing equipment.	E3 Pre-Stressing/Post-Tensioning
11.02	Tensions tendons.	E3 Pre-Stressing/Post-Tensioning
11.03	Cuts and caps tendons.	E3 Pre-Stressing/Post-Tensioning
11.04	Removes stressing equipment.	E3 Pre-Stressing/Post-Tensioning
11.05	De-stresses tendons.	E3 Pre-Stressing/Post-Tensioning
Task 12 - Stresses tendons.		
12.01	Sets up stressing equipment.	E3 Pre-Stressing/Post-Tensioning
12.02	Tensions tendons.	E3 Pre-Stressing/Post-Tensioning
12.03	Cuts and caps tendons.	E3 Pre-Stressing/Post-Tensioning
12.04	Removes stressing equipment.	E3 Pre-Stressing/Post-Tensioning
12.05	De-stresses tendons.	E3 Pre-Stressing/Post-Tensioning
Task 13 - Grouts tendons.		
13.01	Sets up grouting equipment.	E3 Pre-Stressing/Post-Tensioning
13.02	Installs grouts.	E3 Pre-Stressing/Post-Tensioning
Task 14 - Installs primary and secondary structural members.		
14.01	Erects falsework.	F1 Structural Components
14.02	Attaches structural members.	E4 Pre-Cast Concrete Erection and Dismantling F1 Structural Components F2 Pre-Engineered Structures F3 Structural Steel Erection and Dismantling
14.03	Levels, plumbs and aligns structural members.	E4 Pre-Cast Concrete Erection and Dismantling F2 Pre-Engineered Structures F3 Structural Steel Erection and Dismantling
14.04	Completes installation of structural members.	E4 Pre-Cast Concrete Erection and Dismantling F2 Pre-Engineered Structures F3 Structural Steel Erection and Dismantling
Task 15 - Installs curtain walls.		
15.01	Installs curtain walls.	G1 Ornamental Ironwork
15.02	Installs miscellaneous components.	G2 Miscellaneous Ironwork
Task 16 - Installs conveyors, machinery and equipment.		
16.01	Installs material handling systems.	A4 Machinery and Equipment
16.02	Aligns material handling systems.	A4 Machinery and Equipment
16.03	Places machinery and equipment.	A4 Machinery and Equipment
Task 17 - Repairs components.		
17.01	Assesses current condition of components.	A4 Machinery and Equipment E4 Pre-Cast Concrete Erection and Dismantling F3 Structural Steel Erection and Dismantling F2 Pre-Engineered Structures G1 Ornamental Ironwork G2 Miscellaneous Ironwork G3 Maintaining & Upgrading Ironwork
17.02	Field-fabricates components.	E4 Pre-Cast Concrete Erection and Dismantling F3 Structural Steel Erection and Dismantling

NOA Subtask		Manitoba Unit(s)
		F2 Pre-Engineered Structures G3 Maintaining & Upgrading Ironwork
17.03	Replaces components.	A4 Machinery and Equipment E4 Pre-Cast Concrete Erection and Dismantling F3 Structural Steel Erection and Dismantling F2 Pre-Engineered Structures G1 Ornamental Ironwork G2 Miscellaneous Ironwork G3 Maintaining & Upgrading Ironwork
17.04	Performs preventative maintenance.	A4 Machinery and Equipment E4 Pre-Cast Concrete Erection and Dismantling F3 Structural Steel Erection and Dismantling F2 Pre-Engineered Structures G1 Ornamental Ironwork G2 Miscellaneous Ironwork G3 Maintaining & Upgrading Ironwork
Task 18 - Dismantles and removes structural, mechanical and miscellaneous components.		
18.01	Ensures decommissioning of structure or components.	F3 Structural Steel Erection and Dismantling F2 Pre-Engineered Structures E4 Pre-Cast Concrete Erection and Dismantling A4 Machinery and Equipment G1 Ornamental Ironwork G2 Miscellaneous Ironwork G3 Maintaining & Upgrading Ironwork
18.02	Plans sequence of disassembly.	A5 Work Planning F3 Structural Steel Erection and Dismantling F2 Pre-Engineered Structures E4 Pre-Cast Concrete Erection and Dismantling A4 Machinery and Equipment G1 Ornamental Ironwork G2 Miscellaneous Ironwork
18.03	Removes components.	F3 Structural Steel Erection and Dismantling F2 Pre-Engineered Structures E4 Pre-Cast Concrete Erection and Dismantling A4 Machinery and Equipment G1 Ornamental Ironwork G2 Miscellaneous Ironwork G3 Maintaining & Upgrading Ironwork