

Ironworker (Generalist) NOA (2015) Subtask-to-Unit Comparison

	NOA Subtask	Manitoba Unit(s)
Task 1	- Interprets occupational documentatio	
1.01	Interprets drawings and specifications.	A7 Communication and Trade Documentation A8 Welding I A10 Drawings I A12 Structural Steel I A13 Reinforcing I B4 Drawings II B9 Machinery and Equipment I C4 Work Planning II C5 Drawings III C12 Ornamental Ironwork II
1.02	Interprets standards, regulations and procedures.	A1 Learning About Work C1 Journeyperson Trainer C14 Pre-Interprovincial Review
Task 2	2 - Communicates in the workplace.	
2.01	Communicates with co-workers.	A1 Learning About Work A7 Communication and Trade Documentation C1 Journeyperson Trainer
2.02	Communicates with other disciplines.	A1 Learning About Work A7 Communication and Trade Documentation C1 Journeyperson Trainer
2.03	Communicates with apprentices.	A1 Learning About Work A7 Communication and Trade Documentation C1 Journeyperson Trainer
2.04	Uses hand signals.	A1 Learning About Work A5 Rigging I A7 Communication and Trade Documentation A11 Cranes I: Fundamentals B1 Rigging II B5 Cranes II: Tower Cranes C1 Journeyperson Trainer C6 Cranes III: Electric Overhead-Travelling Cranes
2.05	Communicates electronically.	A6 Computer Applications B6 Structural Steel II B9 Machinery and Equipment I B11 Reinforcing II C4 Work Planning II C7 Structural Steel III C10 Machinery and Equipment II
Task 3	B - Uses and maintains tools and equipm	ent.
3.01	Uses hand tools and measuring equipment.	A3 Tools and Equipment
3.02	Uses power tools.	A3 Tools and Equipment
3.03	Uses bending tools and equipment.	A3 Tools and Equipment B2 Welding II B11 Reinforcing II C3 Welding III C11 Miscellaneous Ironwork II C12 Ornamental Ironwork
3.04	Uses powder-actuated tools.	A3 Tools and Equipment
3.05	Uses aerial work platforms.	A3 Tools and Equipment

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		A4 Access Equipment
3.06	Uses ladders.	A3 Tools and Equipment
		A4 Access Equipment
3.07	Uses scaffolding.	A3 Tools and Equipment
		A4 Access Equipment
3.08	Uses personal protective equipment	A2 Trade Safety Awareness
	(PPE).	A3 Tools and Equipment
		A4 Access Equipment
3.09	Uses surveying equipment.	A3 Tools and Equipment
		A12 Structural Steel I
		B6 Structural Steel II
		B8 Pre-Cast Concrete I
		B9 Machinery and Equipment I
		C4 Work Planning II
		C7 Structural Steel III
		C10 Machinery and Equipment II
0.40	Here welding a project	C12Ornamental Ironwork
3.10	Uses welding equipment.	A3 Tools and Equipment
		A8 Welding I
		B2 Welding II
3.11	Lloop thormal and aver fuel cutting	C3 Welding III
3.11	Uses thermal and oxy-fuel cutting equipment.	A3 Tools and Equipment A9 Oxy-Fuel Cutting
	equipment.	A9 Oxy-Fuel Culting
Task 4	4 - Organizes work.	
4.01	Organizes materials and supplies.	A1 Learning About Work
		A12 Structural Steel I
		A13 Reinforcing I
		B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B8 Pre-Cast Concrete I
		B9 Machinery and Equipment I
		B10 Miscellaneous Ironwork I
		B11 Reinforcing II
		C4 Work Planning II
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C9 Pre-Cast Concrete II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II
1.00	1	C12 Ornamental Ironwork
4.02	Marks layouts.	A1 Learning About Work
		A12 Structural Steel I
		A13 Reinforcing I
		B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B8 Pre-Cast Concrete I
		B9 Machinery and Equipment I B10 Miscellaneous Ironwork I
		B11 Reinforcing II
		C4 Work Planning II
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C9 Pre-Cast Concrete II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II
		C12 Ornamental Ironwork
4.03	Maintains safe work environment.	A1 Learning About Work
		A2 Trade Safety Awareness
		B3 Work Planning I
		C1 Journeyperson Trainer
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		C4 Work Planning II
4.04	Assesses site hazards.	A1 Learning About Work
		A2 Trade Safety Awareness
		B3 Work Planning I
		C1 Journeyperson Trainer
4.0-		C4 Work Planning II
4.05	Plans work tasks.	A3 Tools and Equipment
		A4 Access Equipment
		A5 Rigging I A8 Welding I
		A9 Oxy-Fuel Cutting
		A11 Cranes I: Fundamentals
		A12 Structural Steel I
		A13 Reinforcing I
		A14 Pre-Stressed Concrete: Fundamentals
		B3 Work Planning I
		C4 Work Planning II
	5 - Selects rigging equipment	A.F. Diaging I
5.01	Matches load to lift capability.	A5 Rigging I
		B1 Rigging II
5.02	Inspects rigging equipment.	C2 Rigging III A5 Rigging I
5.02	inspects rigging equipment.	B1 Rigging I
		C2 Rigging III
5.03	Maintains rigging equipment.	A5 Rigging I
0.00	Wantanie ngging equipment.	B1 Rigging II
		C2 Rigging III
		33 3
Task	6 - Uses hoisting and lifting equipment.	
6.01	Uses hoisting equipment.	A5 Rigging I
		A11 Cranes I: Fundamentals
		B1 Rigging II
		B5 Cranes II: Tower Cranes
		C2 Rigging III
0.00	Harris P.C. and P. Carris M.	C6 Cranes III: Electric Overhead-Travelling Cranes
6.02	Uses lifting equipment.	A5 Rigging I
		A11 Cranes I: Fundamentals
		B1 Rigging II B5 Cranes II: Tower Cranes
		C2 Rigging III
		C6 Cranes III: Electric Overhead-Travelling Cranes
6.03	Attaches rigging to load.	A5 Rigging I
		A11 Cranes I: Fundamentals
		B1 Rigging II
		B5 Cranes II: Tower Cranes
		C2 Rigging III
		C6 Cranes III: Electric Overhead-Travelling Cranes
Tools	7 Soloot appemble and exact example and	d components
7.01	7 – Select, assemble and erect cranes an Assesses crane site limitations.	A11 Cranes I: Fundamentals
7.01	7.0000000 Graile Site Illilitations.	B5 Cranes II: Tower Cranes
		C6 Cranes III: Electric Overhead-Travelling Cranes
7.02	Determines crane position.	A11 Cranes I: Fundamentals
	Position of the position of th	B5 Cranes II: Tower Cranes
		C6 Cranes III: Electric Overhead-Travelling Cranes
7.03	Prepares bases.	A11 Cranes I: Fundamentals
	<u> </u>	B5 Cranes II: Tower Cranes
		C6 Cranes III: Electric Overhead-Travelling Cranes
7.04	Erects cranes and components.	A11 Cranes I: Fundamentals

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		B5 Cranes II: Tower Cranes
		C6 Cranes III: Electric Overhead-Travelling Cranes
	- Disassembles cranes.	T
8.01	Disassembles crane components.	A11 Cranes I: Fundamentals
		B5 Cranes III: Tower Cranes
		C6 Cranes III: Electric Overhead-Travelling Cranes
0.00	Prepares crane and components for	A11 Cranes I: Fundamentals B5 Cranes II: Tower Cranes
8.02	transport.	
		C6 Cranes III: Electric Overhead-Travelling Cranes
Task 9	- Fabricates on-site.	
9.01	Cuts material.	A8 Welding I
0.0.		A9 Oxy-Fuel Cutting
		A12 Structural Steel I
		A13 Reinforcing I
		B2 Welding II
		B6 Structural Steel II
		B10 Miscellaneous Ironwork I
		B11 Reinforcing II
		C7 Structural Steel III
		C11 Miscellaneous Ironwork II
		C12 Ornamental Ironwork
9.02	Bends material.	A8 Welding I
		A9 Oxy-Fuel Cutting
		A12 Structural Steel I
		A13 Reinforcing I
		B2 Welding II
		B6 Structural Steel II
		B10 Miscellaneous Ironwork I
		B11 Reinforcing II
		C7 Structural Steel III
		C11 Miscellaneous Ironwork II
		C12 Ornamental Ironwork
T1 4	O the stalle make formalism and a skall	
	0 - Installs reinforcing material.	A12 Deinferging I
10.01	Places reinforcing material.	A13 Reinforcing I B11 Reinforcing II
10.02	Ties material.	A13 Reinforcing I
10.02	Hes material.	B11 Reinforcing II
10.03	Joins material.	A13 Reinforcing I
10.03	oons material.	B11 Reinforcing II
		2.1. Rolling ii
Task 1	1 - Places pre-stressed/post-tensioning	systems.
11.01	Lays out profile.	A14 Pre-Stressed Concrete: Fundamentals
	•	B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning
11.02	Places tendons and accessories.	A14 Pre-Stressed Concrete: Fundamentals
		B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning
11.03	Installs bursting steel and anchorages.	A14 Pre-Stressed Concrete: Fundamentals
	-	B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning
11.04	Connects tendons to anchors.	A14 Pre-Stressed Concrete: Fundamentals
		B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning

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11.05	Protects exposed tendons.	A14 Pre-Stressed Concrete: Fundamentals
		B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning
Task 1	2 - Stresses tendons.	
12.01	Sets up stressing equipment.	A14 Pre-Stressed Concrete: Fundamentals
	a contract of the contract of	B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning
12.02	Tensions tendons.	A14 Pre-Stressed Concrete: Fundamentals
		B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
40.00	0 10 00 10 00 10 00	C13 Pre-Stressed Concrete: Bonded Post-Tensioning
12.03	Cuts and caps tendons.	A14 Pre-Stressed Concrete: Fundamentals B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning
12.04	Removes stressing equipment.	A14 Pre-Stressed Concrete: Fundamentals
12.0	Themetos subsoming equipments	B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning
12.05	De-stresses tendons.	A14 Pre-Stressed Concrete: Fundamentals
		B12 Pre-Stressed Concrete: Unbonded Monostrand Post-
		Tensioning
		C13 Pre-Stressed Concrete: Bonded Post-Tensioning
Task 1	3 - Grouts tendons.	
13.01	Sets up grouting equipment.	C13 Pre-Stressed Concrete: Bonded Post-Tensioning
13.02	Installs grouts.	C13 Pre-Stressed Concrete: Bonded Post-Tensioning
	4 - Installs primary and secondary stru	
14.01	Erects falsework.	A12 Structural Steel I
		B6 Structural Steel II B7 Pre-Engineered Structures I
		B8 Pre-Cast Concrete I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C9 Pre-Cast Concrete II
14.02	Attaches structural members.	A12 Structural Steel I
		B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B8 Pre-Cast Concrete I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II C9 Pre-Cast Concrete II
14.03	Levels, plumbs and aligns structural	A12 Structural Steel I
1 1.00	members.	B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B8 Pre-Cast Concrete I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
4.5.		C9 Pre-Cast Concrete II
14.04	Completes installation of structural	A12 Structural Steel I
	members.	B6 Structural Steel II
		B7 Pre-Engineered Structures I B8 Pre-Cast Concrete I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C9 Pre-Cast Concrete II
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	NOA Subtask	Manitoba Unit(s)
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15.01	5 - Installs ornamental components and Installs curtain walls.	A12 Structural Steel I
15.01	installs curtain walls.	B3 Work Planning I
		B6 Structural Steel II
		B10 Miscellaneous Ironwork I
		C12 Ornamental Ironwork
15.02	Installs miscellaneous components.	B10 Miscellaneous Ironwork I
.0.02	The same through the same that the same through the same	C11 Miscellaneous Ironwork II
Took 1	6. Installs conveyors, machinery and a	quinmont
	6 - Installs conveyors, machinery and e	
16.01	Installs material handling systems.	B9 Machinery and Equipment I C10 Machinery and Equipment II
16.02	Aligns material handling systems.	B9 Machinery and Equipment I
10.02	Aligno material nariding systems.	C10 Machinery and Equipment II
16.03	Places machinery and equipment.	B9 Machinery and Equipment I
. 0.00	The second secon	C10 Machinery and Equipment II
	7 - Repairs components.	T. 100 11
17.01	Assesses current condition of	A12 Structural Steel I
	components.	B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B9 Machinery and Equipment I B10 Miscellaneous Ironwork I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II
		C12 Ornamental Ironwork
17.02	Field-fabricates components.	A12 Structural Steel I
	, , , , , , , , , , , , , , , , , , , ,	B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B9 Machinery and Equipment I
		B10 Miscellaneous Ironwork I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II
17.00	Danlaga companyata	C12 Ornamental Ironwork
17.03	Replaces components.	A12 Structural Steel I B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B9 Machinery and Equipment I
		B10 Miscellaneous Ironwork I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II
		C12 Ornamental Ironwork
17.04	Performs preventative maintenance.	A12 Structural Steel I
		B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B9 Machinery and Equipment I
		B10 Miscellaneous Ironwork I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II
		C12 Ornamental Ironwork

	NOA Subtask	Manitoba Unit(s)
Task 1	8 - Dismantles and removes structural,	mechanical and miscellaneous components.
18.01	Ensures decommissioning of structure	B6 Structural Steel II
	or components.	B7 Pre-Engineered Structures I
		B8 Pre-Cast Concrete I
		B9 Machinery and Equipment I
		B10 Miscellaneous Ironwork I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C9 Pre-Cast Concrete II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II
18.02	Plans sequence of disassembly.	B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B8 Pre-Cast Concrete I
		B9 Machinery and Equipment I
		B10 Miscellaneous Ironwork I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C9 Pre-Cast Concrete II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II
18.03	Removes components.	B6 Structural Steel II
		B7 Pre-Engineered Structures I
		B8 Pre-Cast Concrete I
		B9 Machinery and Equipment I
		B10 Miscellaneous Ironwork I
		C7 Structural Steel III
		C8 Pre-Engineered Structures II
		C9 Pre-Cast Concrete II
		C10 Machinery and Equipment II
		C11 Miscellaneous Ironwork II



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