

Metal Fabricator (Fitter) - 2021

NOA Structure 2012		Moved to:		RSOS Structure 2021	Moved from:	COMMENTS
BLOCK A	COMMON OCCUPATIONAL SKILLS			MWA A	Performs common occupational skills	
Task 1	Performs safety-related functions.			Task 1	Performs safety-related functions	
1.01	Maintains safe work environment.	1.01		1.01	Maintains safe work environment	
1.02	Uses personal protective equipment (PPE) and safety	1.02		1.02	Uses personal protective equipment (PPE) and safety	
Task 2	Maintains and uses tools and equipment.			Task 2	Uses and maintains tools and equipment	
2.01	Maintains hand, power, layout and measuring tools and			2.01	Uses hand, power, layout and measuring tools and	
2.02	Maintains stationary machinery.			2.02	Uses stationary machinery	
2.03	Maintains cutting and welding equipment.			2.03	Maintains cutting and welding equipment	
2.04	Uses access equipment.			2.04	Uses access equipment	
Task 3	Organizes work.			Task 3	Organizes work	
3.01	Interprets plans, drawings and specifications.	3.01		3.01	Interprets plans, drawings and specifications	
3.02	Communicates with others.	6.01		3.02	Organizes project tasks	
3.03	Organizes project tasks.	3.02				
Task 4	Performs quality assurance throughout fabrication and assembly process			Task 4	Performs quality assurance throughout fabrication and assembly process	
4.01	Performs visual inspections.			4.01	Performs visual inspections	
4.02	Verifies measurements, welds and layout			4.02	Verifies measurements, welds and layout	
4.03	Tracks materials and parts for traceability			4.03	Tracks materials and parts for traceability	
Task 5	Handles materials.			Task 5	Handles materials	
5.01	Organizes material			5.01	Organizes material	
5.02	Determines weights.			5.02	Determines weights	
5.03	Applies rigging practices			5.03	Applies rigging practices	
5.04	Operates material handling equipment.			5.04	Operates material handling equipment	
				Task 6	Uses communication and mentoring techniques	NEW
				6.01	Uses communication techniques	3.02

				6.02	Uses mentoring techniques		
BLOCK B	FABRICATION OF COMPONENTS			MWA B	Fabricates components		
Task 6	Performs layout.			Task 7	Performs layout		
6.01	Performs pattern development.			7.01	Performs pattern development		
6.02	Calculates material allowances for various processes.			7.02	Calculates material allowances for various processes		
6.03	Determines dimensions.			7.03	Determines dimensions		
6.04	Transfers dimensions.			7.04	Transfers dimensions		
6.05	Makes templates.			7.05	Makes templates		
Task 7	Cuts materials.			Task 8	Cuts materials		
7.01	Cuts material using manual plasma cutting equipment.			8.01	Cuts material using manual plasma cutting equipment		
7.02	Cuts material using manual oxy-fuel cutting equipment.			8.02	Cuts material using manual oxy-fuel cutting equipment		
7.03	Cuts material using shears.			8.03	Cuts material using shears		
7.04	Cuts material using saws.			8.04	Cuts material using saws		
7.05	Cuts material using ironworkers.			8.05	Cuts material using ironworkers		
7.06	Cuts material using computer numerically controlled (CNC) equipment			8.06	Cuts material using computer numerically controlled (CNC) equipment		
7.07	Drills holes.			8.07	Drills holes		
7.08	Cuts threads.			8.08	Cuts threads		
7.09	Prepares joints.			8.09	Prepares joints		
Task 8	Forms materials.			Task 9	Forms materials		
8.01	Forms material using plate rollers.			9.01	Forms material using plate rollers		
8.02	Forms material using shape rollers.			9.02	Forms material using shape rollers		
8.03	Forms material using conventional and computer numerically controlled (CNC) press brakes.			9.03	Forms material using conventional and computer numerically controlled (CNC) press brakes		
8.04	Forms materials using benders.			9.04	Forms materials using benders		
8.05	Applies heat for forming.			9.05	Applies heat for forming		
BLOCK C	ASSEMBLY OF COMPONENTS			MWA C	Assembles components		
Task 9	Fits and fastens sub-components and components.			Task 10	Fits and fastens sub-components and components		

9.01	Assembles jigs			10.01	Assembles jigs		
9.02	Determines proper sequence for assembly.			10.02	Determines sequence for assembly		
9.03	Assembles sub-components and components.			10.03	Assembles sub-components and components		
9.04	Sets fabricated component in place.			10.04	Sets fabricated components in place		
9.05	Fastens components on-site.			10.05	Fastens Joins components on-site		Changed based on V&W comment.
Task 10	Performs welding activities.			Task 11	Performs welding activities		
10.01	Applies heat prior to tack welding.			11.01	Applies heat prior to tack welding		
10.02	Performs tack welding.			11.02	Performs tack welding		
10.03	Minimizes welding distortions.			11.03	Minimizes welding distortions		
10.04	Applies welding processes.			11.04	Applies welding processes		
10.05	Corrects welding distortions.			11.05	Corrects welding distortions		
Task 11	Completes project.			Task 12	Completes project		
11.01	Determines finishing process			12.01	Determines finishing process Identifies type of finish		Changed based on V&W comment.
11.02	Prepares material for finishing.			12.02	Prepares material for finishing		