

AA TT PRO 01a

Name of Assessed Person: Registration:

UNIT MEM06003: Carry Out Heat Treatment							
		No. of Entries	1	2	3		
	 Gas, electric, oil fired furnaces, vacuum furnace, induction heating, kilns, heated baths, salt baths, specialised tongs/tools and lifting equipment 	Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes No	Yes No	Yes No		
	b. Plain carbon steels, alloy steels, non-ferrous	No. of Entries	1	2	3		
1. Determine job requirements		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes No	Yes No	Yes No		
	 c. Coatings and packings; preheating; soaking; quenching; tempering; annealing; normalising; carburizing; sintering 	No. of Entries	1	2	3		
		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes No	Yes No	Yes No		

- 1.1. Follow standard operating procedures (SOPs).
- 1.2. Comply with work health and safety (WHS) requirements at all times.
- 1.3. Use appropriate personal protective equipment (PPE) in accordance with SOPs.
- 1.4. Identify job requirements from specifications, sketches, job sheets or verbal instructions from metallurgist or supervisor.



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UNIT MEM06003: 0	Carry Out Heat Treatment									
				No. of Entries	1	L	2)	(1)	3
		Gas, electric, oil fired furnaces, vacuum furnace, induction heating, kilns, heated baths, salt baths, specialised tongs/tools and lifting equipment	Tail / Job No.							
			LAME Sign.							
			Date							
2. Select and set up heat treatment equipment			Simulated	Yes	No	Yes	No	Yes	No	
		b. Plain carbon steels, alloy steels, non-ferrous	No. of Entries	1	L	2)	(1)	3	
			Tail / Job No.							
			LAME Sign.							
			Date							
			Simulated	Yes	No	Yes	No	Yes	No	
		c. Coatings and packings; preheating; soaking; quenching; tempering; annealing; normalising; carburizing; sintering	No. of Entries	1	L	2	<u>)</u>	(3)	3	
			Tail / Job No.							
			LAME Sign.							
			Date							
			Simulated	Yes	No	Yes	No	Yes	No	

- 2.1. Select appropriate equipment for the required heat treatment.
- 2.2 Set up equipment according to SOPs and manufacturers' instructions.



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		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes No	Yes No	Yes No		
	b. Plain carbon steels, alloy steels, non-ferrous	No. of Entries	1	2	3		
3. Work safely with hot metals		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes No	Yes No	Yes No		
	c. Coatings and packings; preheating; soaking; quenching; tempering; annealing; normalising; carburizing; sintering	No. of Entries	1	2	3		
		Tail / Job No.					
		LAME Sign.					
		Date					
		Simulated	Yes No	Yes No	Yes No		

- 3.1. Demonstrate emergency procedures according to approved safety instructions and identity and follow safety signs.
- 3.2 Use equipment according to specifications and SOPs.



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		No. of Entrie	s 1	2	3	
		a. Gas, electric, oil fired furnaces, vacuum furnace, induction heating, Tail / Job No				
		kilns, heated baths, salt baths, specialised tongs/tools and lifting LAME Sign.				
		equipment Date				
		Simulated	Yes No	Yes No	Yes No	
4. Heat treat material		No. of Entrie	s 1	2	3	
		Tail / Job No				
		b. Plain carbon steels, alloy steels, non-ferrous LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
		No. of Entrie	s 1	2	3	
		Tail / Job No				
		c. Coatings and packings; preheating; soaking; quenching; tempering; annealing; normalising; carburizing; sintering				
	armeanig, no	Date				
		Simulated	Yes No	Yes No	Yes No	

- 4.1. Treat material to achieve required result, which may include preparation processes.
- 4.2. Piece or batch load and unload material using equipment according to SOPs.
- 4.3. Maintain correct temperature according to SOPs.



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Certification of Underpinning Knowledge and Skills to Carry Out Heat Treatment

A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements of this unit of competency are being achieved under routine supervision on each type of system and on at least one (1) item of each group listed in the assessment conditions a) to c). This shall be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Implementation Guide).

UNIT MEM06003: Carry Out Heat Treatment			
Evidence has been confirmed of the attainment of the	ne following pre-requisite units of	competency (as they are related	
to attainment of the elements of competency specif	ied in this unit).		
MEM11011	., MEM13015, MEM16006		
Evidence has been confirmed of the knowledge requ	irements for this unit as delivered	by a CASR 147 Approved	
Organisation.			
	OR		
Assessment has been conducted to determine that t	he underninning knowledge and s	kills have been achieved in	
accordance with the Competency Unit.	ne underplinning knowledge and 3	kiiis nave been acmeved in	
decordance with the competency onit.			.1
Certification of Unit Completion			
I certify that I have reviewed the certification of the e	lements for this competency unit	and that all of the competency un	it requirements have been met.
·	, ,		·
Signed:	Assessor No.	MTO:	Date:



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