

**UEECD0052 - Use routine equipment/plant/technologies in an energy sector environment**

Element/Performance criteria	Test bank	Quizzes	Case Study	Worksheets	YouTube playlist
<b>1. Prepare to use equipment, plant and technologies</b>					
1.1 Work instructions in the use of equipment, plant or technologies are obtained, interpreted and followed	7	1, 18		5	
1.2 Work health and safety (WHS)/occupational health and safety (OHS) policies and workplace procedures are identified, communicated and confirmed to ensure they are applied in the carrying out of work activities in an energy sector environment		2		3, 11	
1.3 Tools, equipment and PPE necessary for work are identified, scheduled and checked to ensure they work correctly and are safe to use in accordance with workplace procedures	8	3	5	4, 9	2
1.4 Relevant person/s is consulted to ensure the work is coordinated effectively with others		4		10	
1.5 Resources and materials needed for work are confirmed, scheduled and obtained in accordance with workplace procedures	1, 4, 11	5		1	2, 4
1.6 Schedule of work, including practices for working safely, are confirmed in accordance with workplace instructions and requirements		6		2	
<b>2. Use equipment, plant and technologies</b>					
2.1 WHS/OHS policies and workplace procedures for safe work practices are followed to eliminate or minimise incidents	2, 9, 12, 15	7, 17	1, 2, 3, 4, 5	3	
2.2 Equipment, plant or technologies are used in accordance with schedule of work to ensure work is completed in agreed timelines, to required quality standard and with a minimum of waste	3	8, 12	1, 2, 3	8	1, 2, 3, 4
2.3 Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment	18	9, 16		7	
2.4 Regular checks of work quality are undertaken in accordance with work instructions and job requirements	5, 16	10	4	7	
<b>3. Complete use of equipment, plant and technologies</b>					
3.1 Regular checks are made to ensure the safe use of equipment, plant or technologies in accordance with job instructions and requirements	6, 12	11	1, 2, 4	6	
3.2 Relevant person/s is notified of work completion using equipment, plant or technologies	14, 17	12		12	
3.3 Tools, equipment and surplus resources and materials are appropriately cleaned, checked and returned to storage in accordance with workplace procedures	10, 13	14		13	
3.4 Work area is cleaned, made safe and sustainable energy practices are followed		14		14	
3.5 Workplace record/s are updated in accordance with work instructions and workplace procedures	15	12, 15		15	

<b>Performance Evidence</b>					
• applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including: • applying risk control measures	2, 5, 8, 9	6			
• following workplace procedures and instruction	12, 15		1, 2, 3		
• applying sustainable energy principles and practices	13				
• completing workplace documentation	15				
• dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment					
• maintaining a clean worksite and equipment					
• preparing and using equipment, plant and technologies, including: • completing schedule of work • using and returning tools, equipment, personnel protective equipment, surplus resources and materials • updating work records	10, 13, 14				

<b>Knowledge Evidence</b>					
• Electrical concepts, including: • electrical supply and distribution within a building or premises	4, 7, 17	1, 16	1, 2	1, 10, 12	
• arrangement of circuits	4, 6	5, 12, 16	1, 2, 3	6, 7, 12	
• protection for safety requirements and their practice	8	2, 3, 5, 6, 14, 16	1, 2, 3, 4, 5	3, 9	
• difference between alternating current (a.c.) and direct current (d.c.)	11	11, 18		2, 5	1, 2

• measurement and calculation of voltage, current, resistance and power in practical circuits	6, 12	12		6, 7	1, 2
• concepts and applications of magnetism and electromagnetic induction	1, 3	12, 17		4, 8	3, 4
• transformer operating principles and their application	1, 16, 18	12	1, 2, 3	1	4
• hazards associated with electrical systems and apparatus	3, 8, 9	4, 6, 16	4, 5	3	1, 2, 3
• energy sector tools, equipment and technology	10, 13, 14	4, 7, 8, 10	2, 3, 4, 5	1, 6, 7, 8, 10, 12, 14	1, 2, 3, 4
• relevant energy sector industry standards	5, 12, 14	4, 7, 8, 9		10, 12, 14	
• relevant manufacturer specifications	14	10		7, 14	
• operating instruction for tools, equipment and technologies	2, 10, 14	3, 6	3	1, 6, 13	
• relevant job safety assessments or risk mitigation processes		2, 3, 7, 15	2, 4, 5	9, 10, 13, 15	
• relevant sustainable energy practices	13	3, 10		11, 13	
• relevant WHS/ OHS legislated requirements	2, 5, 8, 9, 18	2, 3, 4, 6, 7, 8, 9, 12, 15	5	3, 9, 10, 11, 12, 13, 15	
• relevant workplace documentation	15	3, 9, 10, 12, 15		3, 9, 11, 12, 15	
• relevant workplace policies, procedures and instructions	12, 15, 18	3, 7, 9, 10, 15		9, 10, 11, 12, 13, 15	