



MAUK

The Mining Association of the United Kingdom

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Engineering Supervisor

COMPETENCE PORTFOLIO

INSTRUCTIONS TO CANDIDATES



The document is divided into various sections and the candidate must complete every section.

Knowledge Section

The candidate is expected to develop a portfolio that demonstrates the knowledge that has been gained.

All the information contained within the knowledge section must be their own work.

The candidate may use manufactures and operational material or other open source material, but must provide a reference.

The candidate may use pictures, photographs etc. to illustrate any knowledge elements.

Practical Elements

The candidate uses this section to demonstrate that they can apply the knowledge in a training and operational environment.

The candidate may use photographs, video etc to form a record for future assessment.

The candidate may also get instructors and workmates to write statements of how the practical elements were demonstrated.

The candidate must provide a reference to any material that they wish to use as evidence, and include within their portfolio.

Number of Occasions

YEAR 1	RESCUE WORKERS APPRENTICESHIP STANDARD																	
SECTION 2	RISK ASSESSMENT AND NEAR MISS REPORTING													NAME				
Development Area			Knowl. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References					
						1	2	3	4	5			1	2	3	4	5	

The number of knowledge examples is listed here

The number of practical examples is listed here

The sheets contained within this document form a record of progress, and a point for referencing.

The candidate must maintain these sheets to demonstrate progress, and these will be periodically reviewed by the assessor.

Disclaimer



The **Mining Qualification Committee** (MQC) has developed and reviewed the training and assessment material.

MPQC have provided the accreditation for the training and assessment material.

MAUK have published the training and assessment material and provided access for the underground mining sector.

It remains the responsibility of the **mine operator** to verify the training and assessment material is suitable for their circumstances and application.

		ENGINEERING SUPERVISOR															
SECTION 3		PROMT1 - Oversee the Manager's Scheme												NAME			
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References			
							1	2	3	4	5			1	2	3	4
3.1	Outline the requirements of the Health and Safety at Work Act 1974, and the need to have a scheme of maintenance for plant and equipment.	PROMT1	K1											Question 01			
3.2	Outline the requirements of the Health and Safety at Work Act 1974, and providing adequate information, instruction, and training (define the difference between each).	PROMT1	K1											Question 02			
3.3	Identify the requirements under the Health and Safety at Work Act 1974, to adequately maintain any place of work under the employers control.	PROMT1	K1											Question 03			
3.4	Outline the requirements of section 3 of the Health and Safety at Work Act 1974 and the need to conduct business in a way that it does not impact persons not employed.	PROMT1	K1											Question 04			
3.5	Identify the main requirements under the Provision and Use of Work Equipment Regulation 1998 to having a scheme of maintenance.	PROMT1	K1											Question 05			
3.6	Identify the main requirements under the Provision and Use of Work Equipment Regulation 1998 in relation to maintenance operations.	PROMT1	K1											Question 06			
3.7	Understands the requirements of the Reporting of Injuries, Disease, and Dangerous Occurrence Regulations 2013, in relation to mining and maintenance activates.	PROMT1	K1											Question 07			
3.8	Outline the requirements of Regulation 15 of the Mines Regulations 2014.	PROMT1	K2											Question 08			
3.9	When considering the development of a written scheme of maintenance outline the key considerations (as a minimum your response should include; potential failure modes, potential consequences to health and safety in the event of equipment failure, failure rate data, duty, work environment, industry, and legislative requirements).	PROMT1	K2											Question 09			
3.10	For each of the above, outline why these factors should be considered and provide examples of where they apply in your organisation.	PROMT1	K2											Question 10			
3.11	Identify the requirements to keep records of maintenance under Regulation 68 of the Mines Regulations 2014, and how your organisation complies with those requirements.	PROMT1	K2											Question 11			
3.12	Outline the requirements of Regulation 10 of the Mines Regulations 2014, and the need to have a management structure in place at the mine.	PROMT1	K3											Question 12			
3.13	Outline how the management structure for the mine and engineering department includes the roles of engineering supervisors and relevant lines of reporting.	PROMT1	K3											Question 13			
3.14	Define the key responsibilities that you have as an engineering supervisor within your organisation.	PROMT1	K3											Question 14			
Total Units				0	0	0	0										

Signed - Candidate

Signed - Assessor

Comments

		ENGINEERING SUPERVISOR																
SECTION 3		PROMT1 - Oversee the Manager's Scheme												NAME				
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
3.15	Outline the key principles of Guidance Note 40 of the Mines Regulations 2014 and how this is applied at your mine.	PROMT1	K4											Question 15				
3.16	Outline the key principles of Guidance Note 41 of the Mines Regulations 2014 and how this is applied at your mine.	PROMT1	K4											Question 16				
3.17	Identify the role of the engineering supervisor in the design, operation, and maintenance of mechanical and electrical plant.	PROMT1	K4											Question 17				
3.18	Outline the key principles of Guidance Note 88 of the Mines Regulations 2014, and how these are applied at your mine/ across the organisation.	PROMT1	K4											Question 18				
3.19	Within your organisation the organisational structure within the engineering function, who is substitute for more senior roles in the event of leave/ absence.	PROMT1	K5											Question 19				
	Note the elements of K6 of PROMT1 are covered by the questions 3.14 to 3.18 inclusive (K3 and K4 of PROMT1).	PROMT1	K6															
3.20	Outline what the Health and Safety at Work Act 1974 says in relation to the duty of employees whilst at work.	PROMT1	K7											Question 20				
3.21	Outline what the Health and Safety at Work Act 1974 says in relation to the powers of inspectors.	PROMT1	K8											Question 21				
3.22	Outline what the Health and Safety at Work Act 1974 says in relation to the issue of improvement notices and prohibition notices and what the mine operator must do.	PROMT1	K8											Question 22				
3.23	Outline the requirements of Regulation 53 of the Mines Regulations 2014, in relation to the duties of the mine operator when it comes to escape and rescue.	PROMT1	K9											Question 23				
3.24	Outline the requirements of Regulation 54 of the Mines Regulations 2014 and the requirements to develop an escape plan.	PROMT1	K9											Question 24				
3.25	Under your mine's emergency response plan, outline any responsibilities that engineering supervisors, and the engineering function as a whole, have.	PROMT1	K9											Question 25				
3.26	Outline the key principles of Guidance Note 41 of the Mines Regulations 2014, and how these are applied at your mine under the escape and rescue plan.	PROMT1	K9											Question 26				
	Note the elements of K10 PROMT1 are covered by the questions 3.14 to 3.18 inclusive (K3 and K4 of PROMT1).	PROMT1	K10															
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

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SECTION 3		PROMT1 - Oversee the Manager's Scheme												NAME				
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
	Note the elements of K11 are covered by the questions 3.21 to 3.22 inclusive (K8 of PROMT1).	PROMT1	K11															
3.27	Provide a definition for the following: 1. Hazard. 2. Risk. 3. Accident. 4. Danger. 5. Accident Rate (Frequency). 6. Severity.	PROMT1	K12											Question 27				
	Note the elements of K13 PROMT1 are covered by the questions 3.8 to 3.11 inclusive (K2 of PROMT1).	PROMT1	K13															
	Note some elements of K14 PROMT1 are covered by the questions 3.15 to 3.18 inclusive (K4 of PROMT1).	PROMT1	K14															
3.28	Outline how the commissioning, inspection, examination, testing, and maintenance requirements for individual items of plant and equipment are determined at your mine.	PROMT1	K14											Question 28				
3.29	Outline how commissioning for individual items of plant and equipment is carried out at your mine.	PROMT1	K14											Question 29				
3.30	Outline how the frequency of inspection, examination, testing, and maintenance requirements for individual items of plant and equipment are determined at your mine.	PROMT1	K14											Question 30				
3.31	Define how items of plant and equipment that are scheduled for inspection, examination, testing, and maintenance are issued to those responsible for carrying out the task.	PROMT1	K14											Question 31				
3.32	Outline how the information from any inspection, examination, testing and maintenance is rescheduled and tracked to completion including the provision of written reports or tests.	PROMT1	K14											Question 32				
3.33	Define how the asset maintenance system is used to provide an overview of the cost of ownership, and how your organisation uses that information as part of the mine planning and decision making process.	PROMT1	K14											Question 33				
3.34	Outline the requirements of the Mines Regulations 2014, Regulation 15(1)(a) and 15(1)(b) and the duties of the mine operator in relation to defects on plant and equipment.	PROMT1	K15											Question 34				
	Note the elements of K16 are covered by the questions 3.31 to 3.33 inclusive (K14 of PROMT1).	PROMT1	K16															
	Note the elements of K17 PROMT1 are covered by the questions 3.31 to 3.33 inclusive (K14 of PROMT1).	PROMT1	K17															
3.35	Identify what is meant by a time based maintenance scheme.	PROMT1	K18											Question 35				
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

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SECTION 3		PROMT1 - Oversee the Manager's Scheme												NAME				
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
3.36	Give examples where a time based system of maintenance is applied at your mine, what sort of plant and equipment maintenance is scheduled using this method?	PROMT1	K18											Question 36				
3.37	Outline the advantages and disadvantages of a time based maintenance system.	PROMT1	K18											Question 37				
3.38	What is meant by a condition based maintenance system.	PROMT1	K18											Question 38				
3.39	Give examples of where condition based maintenance is utilised at your mine, what types of measures are used to assess the condition of the plant and equipment to determine the maintenance requirements.	PROMT1	K18											Question 39				
3.40	Outline the advantages and disadvantages of a condition based maintenance scheme.	PROMT1	K18											Question 40				
3.41	Outline how the planned maintenance scheme utilised by your organisation deals with the different approaches to maintenance, and ensures that you have a scheme that complies with the requirements of the regulations.	PROMT1	K18											Question 41				
3.42	Outline the requirements of Regulation 13 of the Mines Regulations 2014, and how this is effected at your mine.	PROMT1	K19											Question 42				
	Note the elements of K20 PROMT1 are covered by the questions 3.31 to 3.33 inclusive (K14 of PROMT1).	PROMT1	K20															
3.43	Outline the principles of Regulation 3 of the Management of Health and Safety at Work Regulations 1999.	PROMT1	K21											Question 43				
3.44	Define your organisational process for carrying out risk assessment.	PROMT1	K21											Question 44				
3.45	Outline how a risk assessment is used to develop controls, and how those controls are captured within the method statements or operational procedures.	PROMT1	K21											Question 45				
3.46	Outline how the hierarchy of controls should be applied according to the Management of Health and Safety at Work Regulations 1999.	PROMT1	K21											Question 46				
3.47	Identify any requirements within your organisation for the inspection and calibration of equipment used for inspection, examination, and testing of equipment.	PROMT1	K22											Question 47				
3.48	Outline the type of maintenance activities and equipment involved which could be conducted at a mine that may impact the safety of the mine or those that work in the mine.	PROMT1	K23											Question 48				
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

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Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
3.49	Outline what the Mines Regulations 2014 require to be done if the planned maintenance activity will restrict egress or limit the number of exits available from the mine or place of work.	PROMT1	K23											Question 49				
3.50	Define the process/ procedure used by your organisation to limit the impact of planned maintenance activities on the safety of the mine or of the persons in the mine.	PROMT1	K23											Question 50				
	Note the elements of K24 PROMT1 are covered by the questions 3.48 to 3.50 inclusive (K23 of PROMT1).	PROMT1	K24															
P3.1	Access information from the current written scheme for the mine.	PROMT1	P1															
P3.2	Obtain relevant information from management.	PROMT1	P2															
P3.3	Obtain relevant information from the previous shift.	PROMT1	P2															
P3.4	Plan and prioritise maintenance activities.	PROMT1	P3															
P3.5	Allocate duties to personnel.	PROMT1	P4															
P3.6	Ensure that persons appointed to duties are authorised for those duties.	PROMT1	P5															
P3.7	Prepare a written scheme of work.	PROMT1	P6															
P3.8	Check that personnel carry out duties in the prescribed manor.	PROMT1	P7															
P3.9	Oversee the safe installation and commissioning of plant and equipment (including the creation of suitable commissioning documents).	PROMT1	P8															
P3.10	Implement the scheme for systematic inspection, examination, testing, and maintenance.	PROMT1	P9															
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

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SECTION 3		PROMT1 - Oversee the Manager's Scheme												NAME			
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References			
							1	2	3	4	5			1	2	3	4
P3.11	Complete the records/ reports in relation to statutory duties according to organisational procedures.	PROMT1	P10														
P3.12	Communicate to management according to regulatory requirements and organisational procedures.	PROMT1	P11														
P3.13	Communicate effectively with the mine engineer, and other mine employees.	PROMT1	P12										Observations	Observations			
P3.14	Investigate accidents and/ or incidents.	PROMT1	P13														
P3.15	Assist in the planning of longer term maintenance activities or mine projects.	PROMT1	P14														
P3.16	Carry out audits.	PROMT1	P15														
Total Units				0	0	0	0										
Signed - Candidate				Signed - Assessor				Comments									

ENGINEERING SUPERVISOR																							
SECTION 4				PROMT2 - Identify Health and Safety Hazards in Mines				NAME															
Development Area				Standard		Ref		Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References					
											1	2	3	4	5			1	2	3	4		
4.13 Identify how controls are used to reduce the level (risk score) and how that scoring system is used to reevaluate the residual risk following the implementation of adequate controls.				PROMT2		K3												Question 54					
4.14 Outline how the Health and Safety at Work Act 1974 relates to the role of an engineering supervisor.				PROMT2		K4												Question 55					
4.15 Outline how the Management of Health and Safety at Work Regulations 1999 relates to the role of an engineering supervisor.				PROMT2		K4												Question 56					
4.16 Outline how the Mines Regulations 2014 relates to the role of an engineering supervisor.				PROMT2		K4												Question 57					
4.17 Outline how the Control of Substances Hazardous to Health Regulations relates to the role of an engineering supervisor.				PROMT2		K4												Question 58					
4.18 Outline how the Reporting of Injuries, Disease, and Dangerous Occurrence Regulations relate to mine operations.				PROMT2		K4												Question 59					
4.19 Understands how the Personal Protective Equipment Regulations are applied within your organisation.				PROMT2		K4												Question 60					
4.20 Outline the main principles covered by the Lifting Operations and Lifting Equipment Regulations.				PROMT2		K4												Question 61					
4.21 Outline the principles of the Electricity at Work Regulations, and the specific requirements for underground mines (<i>electrical engineering supervisor only</i>).				PROMT2		K4												Question 62					
4.22 Outline how your organisation ensures that the operational teams are involved on matters that relate to health and safety.				PROMT2		K4												Question 63					
4.23 Define how your organisation records feedback from the operational teams on all matters including those which relate to health and safety.				PROMT2		K5												Question 64					
4.24 Define where the requirement to assess and record the risks to which people may be exposed to comes from.				PROMT2		K5												Question 65					
4.25 Define the process(s) that your organisation utilises to ensure that plant and equipment is designed, commissioned, maintained, and used correctly.				PROMT2		K6												Question 66					
4.26 Outline how your organisation reviews the risk assessments and operational procedures to ensure that they remain relevant.				PROMT2		K6												Question 67					
Total Units								0	0	0	0												
Signed - Candidate								Signed - Assessor								Comments							

ENGINEERING SUPERVISOR																																	
SECTION 4				PROMT2 - Identify Health and Safety Hazards in Mines				NAME																									
Development Area				Standard		Ref		Know. Elements		Comp		Practical Elements		Practical Elements Completed					Candidates Signature		Reviewers Signature		Practical and Knowledge Evidence References										
								1		2		3		4		5						1				2		3		4			
4.27				Outline the structure (or documents) that make up the health and safety document at your mine.		PROMT2		K6																Question 68									
4.28				Outline how you gain access to relevant health and safety information and documentation within your organisation.		PROMT2		K6																Question 69									
				Note some elements of PROMT2 (K7) are covered by the questions 4.1 to 4.6 inclusive (K1 of PROMT2).		PROMT2		K7																									
4.29				How is health and safety information recorded, displayed, and communicated at your mine.		PROMT2		K7																Question 70									
4.3				How is historical and current health and safety information used on site at the mine to inform decisions?		PROMT2		K7																Question 71									
				Note some elements of PROMT2 (K8) are covered by the questions 4.14 to 4.22 inclusive (K4 of PROMT2).		PROMT2		K8																									
4.31				Define the types of occupational health risks that may be present within your mine.		PROMT2		K8																Question 72									
4.32				Define how these occupational health risks are assessed and monitored to ensure any control implement remain effective.		PROMT2		K8																Question 73									
				Note some elements of PROMT2 (K9) are covered by the questions 4.25 to 4.28 inclusive (K6 of PROMT2).		PROMT2		K9																									
				Note some elements of PROMT2 (K9) are covered by the questions 4.31 to 4.32 inclusive (K8 of PROMT2).		PROMT2		K9																									
4.33				Outline why the manager's scheme for maintenance at the mine is in place, and the main principles of its operation.		PROMT2		K9																Question 74									
				Note some elements of PROMT2 (K10) are covered by the questions 4.1 to 4.6 inclusive (K1 of PROMT2).		PROMT2		K10																									
				Note some elements of PROMT2 (K10) are covered by the questions 4.14 to 4.22 inclusive (K4 of PROMT2).		PROMT2		K10																									
				Note some elements of PROMT2 (K10) are covered by the questions 4.23 to 4.24 inclusive (K5 of PROMT2).		PROMT2		K10																									
Total Units								0		0		0				0																	
Signed - Candidate																																	
Signed - Assessor																																	
Comments																																	

ENGINEERING SUPERVISOR																		
SECTION 4				PROMT2 - Identify Health and Safety Hazards in Mines				NAME										
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
4.34	Outline why it is important to have standard operating procedures as a means of controlling risk in the workplace.	PROMT2	K10											Question 75				
4.35	Outline the process for reviewing, updating, or changing standard operating procedures and safe systems of work.	PROMT2	K10											Question 76				
4.36	Outline how you would locate standard operating procedures within your organisation.	PROMT2	K10											Question 77				
4.37	Outline the process for ensuring that person under your control are working to the required operating procedures.	PROMT2	K10											Question 78				
4.38	Outline the actions that should be taken within your organisation if a hazard is identified during inspection or as part of a routine work activity.	PROMT2	K11											Question 79				
4.39	Outline the types of approach that could be taken to deal with hazards that have been identified and make an area safe ahead of remedial activates being completed.	PROMT2	K11											Question 80				
4.4	Outline the organisational process for reporting any remedial works completed and ant remedial works outstanding in relation to dealing with identified hazards.	PROMT2	K11											Question 81				
4.41	Define the escalation process within your organisation where dealing with a situation is outside of your authorisation or area of responsibility.	PROMT2	K11											Question 82				
	Note some elements of PROMT2 (K12) are covered by the questions 4.38 to 4.41 inclusive (K11 of PROMT2).	PROMT2	K12															
4.42	Define how change of operating procedures is managed within your organisation (management of change procedures).	PROMT2	K12											Question 83				
4.43	Outline the various induction programmes that are used at your mine to ensure that no person can enter the work environment, and that they are competent to complete the planned activates within the work environment.	PROMT2	K13											Question 84				
	Note some elements of PROMT2 (K14) are covered by the questions 4.23 to 4.24 inclusive (K5 of PROMT2).	PROMT2	K14															
4.44	How are procedures communicated to the operational teams?	PROMT2	K14											Question 85				
4.45	Outline the process that you would typically go through to prepare for any type of interview (job or following an incident).	PROMT2	K15											Question 86				
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

		ENGINEERING SUPERVISOR																
SECTION 4		PROMT2 - Identify Health and Safety Hazards in Mines											NAME					
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
4.46	Identify the difference between an open question and a closed question.	PROMT2	K15											Question 87				
4.47	Outline why it may be useful to make yourself relatable and show empathy during an interview process.	PROMT2	K15											Question 88				
4.48	Outline the regulatory requirements to maintain records for health related matters/ issues.	PROMT2	K16											Question 89				
P4.1	Identify hazards in the workplace and existing controls.	PROMT2	P1															
P4.2	Identify people that are at risks from hazards.	PROMT2	P2															
P4.3	Access the level of risk arising from the hazards.	PROMT2	P3															
P4.4	Seek advice from managers or specialist in risk assessment when appropriate.	PROMT2	P4															
P4.5	Report hazards constituting a high risk immediately to responsible persons.	PROMT2	P5															
P4.6	Deal with hazards that constitute a low risk in accordance with organisational and operational procedures.	PROMT2	P6															
P4.7	Encourage suggestions from your subordinates for reducing risk to health and safety.	PROMT2	P7															
P4.8	Give suggestions to control or reduce risks to health and safety responsible persons.	PROMT2	P8															
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

ENGINEERING SUPERVISOR																															
SECTION 4				PROMT2 - Identify Health and Safety Hazards in Mines				NAME																							
Development Area				Standard		Ref		Know. Elements		Comp		Practical Elements		Practical Elements Completed					Candidates Signature		Reviewers Signature		Practical and Knowledge Evidence References								
								1		2		3		4		5						1				2		3		4	
P4.9 Make recommendations for training where necessary (team development or to deal with health and safety issues).				PROMT2		P9																									
P4.10 Keep clear records conforming to company requirements.				PROMT2		P10																									

		ENGINEERING SUPERVISOR																
SECTION 5		PROMT3 - Contribute to Maintaining and Improving Health and Safety in the Mine											NAME					
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
5.1	Outline the personal impacts for the individual, their colleagues, and family of incidents, accidents and long term health related issues.	PROMT3	K1	1										Question 91				
5.2	Outline the effect that behaviours of management and supervisors have may influence the approach/ perception to health and safety of teams at your mine has.	PROMT3	K1	1										Question 92				
5.3	Outline the impact that a workforce's positive outlook on safety may have on the business and the way they talk about the business.	PROMT3	K1	1										Question 93				
5.4	Outline the potential costs that may be associated in the short and long term if an organisation fails to effectively manage health and safety in the workplace.	PROMT3	K2	1										Question 94				
5.5	Outline the implication of the regulator becoming involved in the investigation of breeches of health, safety, and environmental legislation.	PROMT3	K2	1										Question 95				
5.6	Outline how ongoing or repeating issues relating to health and safety incidents may impact the reputation of the business.	PROMT3	K2	1										Question 96				
	Note the elements of PROMT3 (K3) are covered by the questions 4.23 to 4.24 inclusive (K5 of PROMT2).	PROMT3	K3															
	Note the elements of PROMT3 (K4) are covered by the questions 4.44 (K14 of PROMT2).	PROMT3	K4															
5.7	Outline the long-term health impacts that may be caused by the operations taking place at your mine.	PROMT3	K5	1										Question 97				
5.8	Outline how information is provided to the team, and the influence that having access to relevant information can have on the culture.	PROMT3	K5	1										Question 98				
5.9	Outline where to find relevant health and safety information, including safety statistics within your organisation.	PROMT3	K6	1										Question 99				
5.10	Outline where operating procedures and safety rules are located which are relevant to your role and place of work.	PROMT3	K7	1										Question 100				
5.11	Outline the process to be followed if the rules and procedures that are in place are identified as not being adequate to control the risks to health and safety within the operational environment.	PROMT3	K7	1										Question 101				
	Note the elements of PROMT3 (K8) are covered by the questions 5.10 and 5.11 (K7 of PROMT3).	PROMT3	K8															
Total Units				10	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

ENGINEERING SUPERVISOR																			
SECTION 5			PROMT3 - Contribute to Maintaining and Improving Health and Safety in the Mine												NAME				
Development Area			Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
								1	2	3	4	5			1	2	3	4	
Note the elements of PROMT3 (K9) are covered by the questions 5.10 and 5.11 (K7 of PROMT3).			PROMT3	K9															
5.12 Outline the types of information that you would be required to record within your area(s) of responsibility.			PROMT3	K10	1											Question 102			
5.13 Outline why your organisation requires you to record the information identified in 5.12 and how it is used.			PROMT3	K10	1											Question 103			
5.14 Outline the potential costs that may be associated in the short and long term if an organisation fails to effectively manage health and safety in the workplace.			PROMT3	K11	1											Question 104			
5.15 Understands where PPE/ RPE sits within the hierarchy of controls.			PROMT3	K13	1											Question 105			
5.16 Outline how you would identify the appropriate PPE/ RPE to address any hazards that have been identified.			PROMT3	K13	1											Question 106			
5.17 Outline the organisational (and where applicable) requirements for maintaining PPE/ RPE.			PROMT3	K13	1											Question 107			
5.18 Outline the mine plans that should be statutorily available for use in the event of an emergency.			PROMT3	K14	1											Question 108			
5.19 Provide a key and description of the symbols that are used on mine plans within your organisation.			PROMT3	K14	1											Question 109			
5.20 Outline where mine plans are typically located at your mine and how these are accessed.			PROMT3	K14	1											Question 110			
5.21 Describe the mining sequence that is used within your mine or your area of responsibility.			PROMT3	K15	1											Question 111			
5.22 Identify the potential hazards that are introduced by the mining sequence within your mine or your area of responsibility.			PROMT3	K15	1											Question 112			
5.23 Define the major mining hazards that are present underground in the mine or within your area of responsibility.			PROMT3	K15	1											Question 113			
Note some of the elements of PROMT3 (K16) are covered by the questions 4.7 to 4.10 inclusive (K2 of PROMT2).			PROMT3	K16															
Total Units					12	0	0	0											
Signed - Candidate			Signed - Assessor			Comments													

		ENGINEERING SUPERVISOR																
SECTION 5		PROMT3 - Contribute to Maintaining and Improving Health and Safety in the Mine											NAME					
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
	Note some of the elements of PROMT3 (K16) are covered by the question 3.27 (K12 of PROMT1).	PROMT3	K16															
	Note some of the elements of PROMT3 (K16) are covered by the questions 3.45 and 3.46 (K21 of PROMT2).	PROMT3	K16															
	Note some of the elements of PROMT3 (K17) are covered by the questions 4.11 to 4.13 inclusive (K3 of PROMT2).	PROMT3	K17															
	Note some of the elements of PROMT3 (K17) are covered by PROMR03 (Control of Major Mining Hazards).	PROMT3	K17															
5.24	Outline how you would use key performance indicators or safety performance indicators to identify that the controls that you have in place are working effectively.	PROMT3	K18	1										Question 114				
5.25	Define how your area of responsibility contributes to the key performance indicators or safety performance indicators of the organisation as a whole.	PROMT3	K18	1										Question 115				
	Note the elements of PROMT3 (K19) are covered by the questions 5.14 of K11 of PROMT3 .	PROMT3	K19															
	Note some of the elements of PROMT3 (K20) are covered by the questions 5.14 of K11 of PROMT3 .	PROMT3	K20															
5.26	Identify how key performance indicators or safety performance indicators can be used to target interventions.	PROMT3	K20	1										Question 116				
5.27	Identify how your organisation uses health and safety trends to spread best practice at the mine or within the organisation.	PROMT3	K21	1										Question 117				
5.28	Provide examples of where best practice has been spread within your mine or organisation.	PROMT3	K21	1										Question 118				
	Note the requirements of PROMT3 (K22) are entirely covered by the questions asked under PROMT1 and PROMT2 .	PROMT3	K22															
	Note the requirements of PROMT3 (K23) are entirely covered by the questions asked under PROMT2 .	PROMT3	K23															
	Note the requirements of PROMT3 (K24) are entirely covered by the questions asked under PROMT1 .	PROMT3	K24															
Total Units				5	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

		ENGINEERING SUPERVISOR															
SECTION 5		PROMT3 - Contribute to Maintaining and Improving Health and Safety in the Mine											NAME				
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References			
							1	2	3	4	5			1	2	3	4
P5.1	Present the benefits of continually maintaining/ improving health safety and environmental performance.	PROMT3	P1														
P5.2	Take opportunities to promote awareness and achievements in health, safety, and environmental matters using effective methods.	PROMT3	P2														
P5.3	Provide information on health, safety, and environmental achievements that is accurate and up to date.	PROMT3	P3														
P5.4	Encourage individuals in the workplace to take an active role in the drive for maintaining/ improving health, safety, and environmental performance.	PROMT3	P4														
P5.5	Encourage individuals to offer suggestions, ideas and views on improvements to health, safety, and environmental performance.	PROMT3	P5														
P5.6	Enable individuals in the workplace to understand their health, safety, and environmental responsibilities and help them make an active contribution.	PROMT3	P6														
P5.7	Give individuals the opportunity to seek clarification of any areas of concern.	PROMT3	P7														
P5.8	Give accurate information about health and safety relating to the workforce environment.	PROMT3	P8														
P5.9	Encourage suggestions to improve health and safety in the working environment from appropriate people.	PROMT3	P9														
P5.10	Where it is not possible to act on a suggestion, promptly provide clear and relevant information concerning work activity.	PROMT3	P10														
P5.11	Evaluate suggestions taking into account all the relevant information concerning work activity.	PROMT3	P11														
P5.12	Examine the working environment to assess opportunities for health and safety improvements.	PROMT3	P12														
P5.13	Identify improvements to health and safety in the working environment, taking into account all relevant factors that are consistent with the company health and safety policy, meet standards set by legal requirements, and represent good practice.	PROMT3	P13														
P5.14	Keep clear records that conform to organisational requirements.	PROMT3	P14														
Total Units				0	0	0	0										
Signed - Candidate				Signed - Assessor				Comments									

		ENGINEERING SUPERVISOR																
SECTION 6		PROMT5 - Implement Engineering Activities											NAME					
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
6.1	Identify where key information relating to maintenance and other engineering activities can be located on your site.	PROMT5	K1											Question 119				
6.2	Identify where organisational procedures and controls which relate to engineering activities can be located on your site.	PROMT5	K1											Question 120				
6.3	Outline how a failure to take account of regulations and recognised standards may have consequences for the organisation and individuals relating to enforcement by the regulator.	PROMT5	K2											Question 121				
6.4	Outline the implications of failing to take account of organisational procedures when planning and implementing engineering activities at your site.	PROMT5	K2											Question 122				
6.5	Provide an overview of the system that your organisation utilises to manage change, where existing procedures is not suitable for the planned engineering activity.	PROMT5	K2											Question 123				
6.6	Provide examples where PPE/ RPE would form part of the hierarchy of controls when planning and carrying out engineering activities at your site.	PROMT5	K3											Question 124				
6.7	Outline the implications of failing to wear appropriate PPE/ RPE when implementing work activities.	PROMT5	K3											Question 125				
	Note some of the elements of PROMT5 (K4) are covered by the questions 6.1 and 6.2 (K1 of PROMT5).	PROMT5	K4															
6.8	Outline your organisation procedures for obtaining spares and components that meet the required specification.	PROMT5	K4											Question 126				
6.9	Identify how your organisation accesses manufactures maintenance instructions, and how these are updated and kept current within that organisation.	PROMT5	K4											Question 127				
6.10	Outline the organisational process used to ensure that planned engineering work is completed to the required standards.	PROMT5	K4											Question 128				
	Note the elements of PROMT5 (K5) are covered by the questions 6.1 and 6.2 (K1 of PROMT5).	PROMT5	K5															
	Note some of the elements of PROMT5 (K7) are covered PROMT2 (Identify Health and Safety Hazards in Mines).	PROMT5	K7															
	Note some of the elements of PROMT5 (K7) are covered PROMR03 (Control of Major Mining Hazards).	PROMT5	K7															
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

ENGINEERING SUPERVISOR													NAME					
SECTION 6 PROMT5 - Implement Engineering Activities																		
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
6.11	Identify how the type of engineering activities being undertaken at your mine is recorded on a day-to-day process, and how this is accessed.	PROMT5	K8											Question 129				
6.12	Define how your organisation coordinates engineering work activities to avoid conflict or unplanned situations occurring.	PROMT5	K8											Question 130				
6.13	Outline when planning engineering activities, why it is important to indicate: 1. The approximate time scales for delivery. 2. The required physical resources. 3. The type, and quantity of spares/ components required. 4. Identifying that person allocated to the activity have the required skills and competencies. 5. Matters relating to health and safety (for example, permits, isolations, access).	PROMT5	K9											Question 131				
6.14	Outline the process that your organisation uses to track the progress of key engineering projects against the defined plan.	PROMT5	K9											Question 132				
6.15	Outline the process that is used to intervene where engineering activities are falling behind the planned schedule.	PROMT5	K9											Question 133				
6.16	Describe the process that is used following engineering activities to ensure that equipment is commissioned or recommissioned to the required standards.	PROMT5	K9															
6.17	Identify how engineering activities are controlled to avoid unnecessary, unplanned or potentially unsafe interactions.	PROMT5	K9															
6.18	Where changes to a project plan are required, identify who in your organisation should be informed of the changes and the importance of notifying changes to ensure the safe efficient operation of the mine.	PROMT5	K9															
	Note some of the elements of PROMT5 (K10) are covered by the questions 6.1 and 6.2 (K1 of PROMT5).	PROMT5	K10															
	Note some of the elements of PROMT5 (K10) are covered by the questions 6.8 to 6.10 inclusive (K4 of PROMT5).	PROMT5	K10															
6.19	Identify how information from schematics and other drawings may be used to plan and support engineering activities.	PROMT5	K10															
6.20	Identify some of the standards that you might reference when planning engineering activities (for example British standards/ ISO standards etc.).	PROMT5	K10															
	Note the elements of PROMT5 (K12) are covered by the questions 6.14 to 6.19 inclusive (K9 of PROMT5).	PROMT5	K12															
	Note the elements of PROMT5 (K13) are covered by the questions 6.14 to 6.19 inclusive (K9 of PROMT5).	PROMT5	K13															
Total Units				0	0													
Signed - Candidate				Signed - Assessor														

		ENGINEERING SUPERVISOR																
SECTION 6		PROMT5 - Implement Engineering Activities											NAME					
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
6.21	Identify the system/ process used by your organisation to ensure that persons being used to perform engineering activities are competent and authorised to do so.	PROMT5	K14											Question 139				
6.22	Outline how your organisation identifies and maintains the necessary competencies required at the mine.	PROMT5	K14											Question 140				
6.23	When external contractors are being utilised to perform engineering activities, outline how: 1. The required competencies are identified as part of the scope of works. 2. How the contractor/ service provider are vetted to ensure that they have the appropriate competencies. 3. The typical time durations to complete any competency assessments (short-term and long-term projects). 4. How individual contractors are authorised on the site, and limitations placed on the activities that they can undertake.	PROMT5	K14											Question 141				
	Note the elements of PROMT5 (K15) are covered by the questions 6.14 to 6.19 inclusive (K9 of PROMT5).	PROMT5	K15															
	Note some of the elements of PROMT5 (K16) are covered by the questions 6.1 and 6.2 (K1 of PROMT5).	PROMT5	K16															
	Note some of the elements of PROMT5 (K16) are covered by the questions 6.3 to 6.5 inclusive (K2 of PROMT5).	PROMT5	K16															
	Note some of the elements of PROMT5 (K16) are covered by the questions 6.14 to 6.19 inclusive (K9 of PROMT5).	PROMT5	K16															
	Note the elements of PROMT5 (K17) are covered by the questions 6.14 to 6.19 inclusive (K9 of PROMT5).	PROMT5	K17															
6.24	Outline how your organisation would identify and follow up actions on completion of engineering activities.	PROMT5	K18											Question 142				
6.25	Outline how your organisation would record any defects following the completion of engineering activities.	PROMT5	K18											Question 143				
6.26	Outline how your organisation measures/ tracks the effectiveness on planned engineering activates on equipment performance/ downtime.	PROMT5	K18											Question 144				
	Note some of the elements of PROMT5 (K19) are covered PROMT2 (Identify Health and Safety Hazards in Mines).	PROMT5	K19															
	Note some of the elements of PROMT5 (K19) are covered by the questions 6.26 to 6.28 inclusive (K18 of PROMT5).	PROMT5	K19															
	Note some of the elements of PROMT5 (K20) are covered by the questions 6.8 to 6.10 inclusive (K4 of PROMT5).	PROMT5	K20															
Total Units				0	0	0	0											

Signed - Candidate

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Comments

ENGINEERING SUPERVISOR																						
SECTION 6			PROMT5 - Implement Engineering Activities																NAME			
Development Area			Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References							
								1	2	3	4	5			1	2	3	4				
Note some of the elements of PROMT5 (K16) are covered by the questions 6.14 to 6.19 inclusive (K9 of PROMT5).			PROMT5	K20																		
6.27 Outline the management and general structure with the engineering function at your organisation.			PROMT5	K21												Question 145						
6.28 Outline the escalation procedures within the engineering function to ensure that you are supported when planning and executing engineering activities.			PROMT5	K21												Question 146						
6.29 Define how you would source assistance from specialist companies or contractors when planning and executing engineering activities.			PROMT5	K21												Question 147						
Note the elements of PROMT5 (K22) are covered by the questions 6.14 to 6.1 inclusive (K9 of PROMT5).			PROMT5	K22																		
Note the elements of PROMT5 (K23) are covered by the questions 6.14 to 6.19 inclusive (K9 of PROMT5).			PROMT5	K23																		
6.30 Outline who should be informed of any changes to planned maintenance activities, and in the case of each person, why it is important.			PROMT5	K23												Question 148						
6.31 Explain how you would tailor any information being presented to make it suitable for those identified in 6.49 .			PROMT5	K24												Question 149						
6.32 Outline why presenting the right type of information at the right time is important and what are the implications for the organisation if this is not done effectively.			PROMT5	K25												Question 150						
6.33 Within your organisation identify the persons that may be involved in planning engineering activities.			PROMT5	K26												Question 151						
6.34 Define how the size/ complexity/ safety implications of the engineering activity influences who might be involved in the planning process.			PROMT5	K26												Question 152						
6.35 Of the persons identified in 6.53 , broadly outline their roles and responsibilities.			PROMT5	K26												Question 153						
Note some of the elements of PROMT5 (K27) are covered by the questions 6.14 to 6.19 inclusive (K9 of PROMT5).			PROMT5	K27																		
6.36 Broadly outline the type of problems that could occur when carrying out planned engineering activities.			PROMT5	K27												Question 154						
Total Units					0	0	0	0														
Signed - Candidate					Signed - Assessor					Comments												

ENGINEERING SUPERVISOR																		
SECTION 6				PROMT5 - Implement Engineering Activities				NAME										
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
6.37	Within your organisation define how planned engineering activities are monitored to identify emerging issues.	PROMT5	K27											Question 155				
6.38	Briefly outline the types of corrective actions that may be taken to rectify any issues with planned engineering activity.	PROMT5	K27											Question 156				
	Note some of the elements of PROMT5 (K28) are covered by the question 6.32 (K23 of PROMT5).	PROMT5	K28															
	Note some of the elements of PROMT5 (K28) are covered by the questions 6.35 to 6.37 inclusive (K26 of PROMT5).	PROMT5	K28															
6.39	Define the typical role(s) and responsibilities of an engineering supervisor within your own organisation.	PROMT5	K28											Question 157				
6.40	Define the limits that are placed on the responsibilities of an engineering supervisor within your own organisation.	PROMT5	K28											Question 158				
	Note some of the elements of PROMT5 (K29) are covered by the questions 6.29 to 6.31 inclusive (K21 of PROMT5).	PROMT5	K29															
	Note some of the elements of PROMT5 (K28) are covered by the questions 6.32 (K23 of PROMT5).	PROMT5	K29															
6.41	Identify the potential sources of expertise outside of your organisation that can assist you in solving technical issues.	PROMT5	K29											Question 159				
P6.1	Confirm that conditions are suitable to implement engineering methods and procedures.	PROMT5	P1															
P6.2	Provide clear and accurate instructions to all relevant people.	PROMT5	P2															
P6.3	Obtain accurate information on the activities to be undertaken.	PROMT5	P3															
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

ENGINEERING SUPERVISOR																																	
SECTION 6				PROMT5 - Implement Engineering Activities				NAME																									
Development Area				Standard		Ref		Know. Elements		Comp		Practical Elements		Practical Elements Completed					Candidates Signature		Reviewers Signature		Practical and Knowledge Evidence References										
								1		2		3		4		5						1				2		3		4			
P6.4				Ensure that quality assurance systems are correctly implemented.		PROMT5		P4																									
P6.5				Ensure that the engineering support systems are operating correctly.		PROMT5		P5																									
P6.6				Control the use of resources to achieve the most effective results.		PROMT5		P6																									
P6.7				Identify the opportunity to improve the engineering methods and procedures.		PROMT5		P7																									
P6.8				Ensure that the implementation of engineering methods and procedures complies with all relevant regulations and guidelines.		PROMT5		P8																									

ENGINEERING SUPERVISOR																				
SECTION 7			PROMT6 - Resolving Engineering Activities												NAME					
Development Area			Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References					
								1	2	3	4	5			1	2	3	4		
Note the elements of PROMT6 (K1) are covered by the questions 6.1 and 6.2 (K1 of PROMT5).			PROMT6	K1																
Note the elements of PROMT6 (K2) are covered by the questions 6.3 to 6.5 inclusive (K2 of PROMT5).			PROMT6	K2																
Note the elements of PROMT6 (K3) are covered by the questions 6.8 to 6.10 inclusive (K4 of PROMT5).			PROMT6	K3																
Note the elements of PROMT6 (K4) are covered by (K5 of PROMT5).			PROMT6	K4																
7.1	Outline where drawings, charts, specifications, manufacturers manuals, history/ maintenance reports, and other documents needed for the problem solving process can be located within your organisation.		PROMT6	K5												Question 160				
7.2	Outline any specific procedures required within your organisation to access the information outlined in 7.5 .		PROMT6	K5												Question 161				
7.3	Define the company engineering operational procedures for dealing with engineering issues in the areas in which you work.		PROMT6	K6												Question 162				
7.4	Outline the reasons why the recognition and resolution of engineering problems are critical to the business.		PROMT6	K7												Question 163				
7.5	Outline the implications of engineering issues and problems on associated activities (within your answer you should consider any issues related to health/ safety/ operational performance/ operational efficiency).		PROMT6	K8												Question 164				
7.6	Outline the importance of identifying and defining the problem as any approach to problem solving.		PROMT6	K10												Question 165				
7.7	Identify how you would articulate and communicate the problem to ensure that the right people within your organisation are informed, and why involving the right people is important.		PROMT6	K10												Question 166				
7.8	Identify the importance of gathering and verifying the right data/ information as part of problem solving and how you would achieve that within your organisation.		PROMT6	K10												Question 167				
7.9	Identify the different sources of information that you could use to assist in informing the problem solving process.		PROMT6	K10												Question 168				
7.10	Identify the various approaches to problem solving and how these might be applied (for example six thinking hats, problem definition process, five whys, fishbone analysis, SWOT analysis, or other techniques used by your organisation).		PROMT6	K10												Question 169				
Total Units					0	0	0	0												
Signed - Candidate					Signed - Assessor					Comments										

		ENGINEERING SUPERVISOR																			
SECTION 7		PROMT6 - Resolving Engineering Activities												NAME							
								Practical Elements Completed									Practical and Knowledge Evidence References				
Development Area		Standard		Ref		Know. Elements	Comp	Practical Elements	1	2	3	4	5	Candidates Signature		Reviewers Signature		1	2	3	4
Note some of the elements of PROMT6 (K11) are covered by the questions 7.6 to 7.10 inclusive (K10 of PROMT6).		PROMT6		K11																	
7.11 Outline the benefits of adopting a formalised problem solving process.		PROMT6		K11														Question 170			
Note the elements of PROMT6 (K12) are covered by the questions 7.6 to 7.10 inclusive (K10 of PROMT6).		PROMT6		K12																	
Note the elements of PROMT6 (K13) are covered by the questions 7.6 to 7.10 inclusive (K10 of PROMT6).		PROMT6		K13																	
7.12 Once the problem has been identified and defined, outline the approach that would be taken to verify the problem, this should include various testing techniques that may be adopted.		PROMT6		K14														Question 171			
7.13 Once the problem has been identified and verified, outline how you would estimate and track the timeline to resolution.		PROMT6		K14														Question 172			
Note some of the elements of PROMT6 (K15) are covered by the questions 7.6 to 7.10 inclusive (K10 of PROMT6).		PROMT6		K15																	
7.14 Define why it is important to consider and analyse the problem from a number of different perspectives.		PROMT6		K15														Question 173			
Note some of the elements of PROMT6 (K16) are covered by the questions 7.6 to 7.10 inclusive (K10 of PROMT6).		PROMT6		K16																	
Note some of the elements of PROMT6 (K16) are covered by the questions 7.12 and 7.13 (K14 of PROMT6).		PROMT6		K16																	
Note the elements of PROMT6 (K17) are covered by the questions 7.6 to 7.10 inclusive (K10 of PROMT6).		PROMT6		K17																	
7.15 Outline why it may be important to consider different approaches to rectifying a problem, what are the factors that may influence the approach (for example, the need to move the equipment to a safe position, operational influences etc.).		PROMT6		K18														Question 174			
7.16 Identify the various conditions within the workplace that may influence the approach that you take to resolve and rectify the problem.		PROMT6		K18														Question 175			
Note some of the elements of PROMT6 (K19) are covered by the questions 7.15 and 7.16 (K18 of PROMT6).		PROMT6		K19																	
Total Units						0	0	0	0												
Signed - Candidate						Signed - Assessor						Comments									

ENGINEERING SUPERVISOR	
SECTION 7	PROMT6 - Resolving Engineering Activities

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SECTION 7

PROMT6 - Resolving Engineering Activities

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ENGINEERING SUPERVISOR	
SECTION 7	PROMT6 - Resolving Engineering Activities

NAME

Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
7.28	Outline the organisational reporting procedures following the resolution of engineering issues.	PROMT6	K28											Question 187				
7.29	Outline how the approach to problem solving is documented within your organisation.	PROMT6	K29											Question 188				
	Note some of the elements of PROMT6 (K31) are covered by the questions 7.21 and 7.22 (K23 of PROMT6).	PROMT6	K31															
	Note some of the elements of PROMT6 (K31) are covered by the K26 of PROMT6 .	PROMT6	K31															
	Note some of the elements of PROMT6 (K31) are covered by the question 7.28 (K28 of PROMT6).	PROMT6	K31															
	Note some of the elements of PROMT6 (K32) are covered by the questions 7.19 (K21 of PROMT6).	PROMT6	K32															
	Note some of the elements of PROMT6 (K32) are covered by the questions 7.21 – 7.23 (K23 of PROMT6).	PROMT6	K32															

		ENGINEERING SUPERVISOR																
SECTION 7		PROMT6 - Resolving Engineering Activities												NAME				
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
P7.5	Identify the most effective engineering solution for solving engineering problems.																	
P7.6	Ensure that engineering solutions are implemented correctly and promptly.																	
P7.7	Ensure that solutions to engineering problems comply with all relevant regulations and guidelines.																	
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

ENGINEERING SUPERVISOR																		
SECTION 8			PROMT7 - Monitoring Engineering Activities															
			NAME															
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
	Note the elements of PROMT7 (K1) are covered by the questions 6.1 and 6.2 (K1 of PROMT5).	PROMT7	K1															
	Note the of elements of PROMT7 (K2) are covered PROMT2 (Identify Health and Safety Hazards in Mines).	PROMT7	K2															
	Note the elements of PROMT7 (K4) are covered by the questions 6.6 and 6.7 (K3 of PROMT5).	PROMT7	K4															
	Note the elements of PROMT7 (K5) are covered by the questions 6.6 to 6.7 inclusive (K3 of PROMT5).	PROMT7	K5															
8.1	Outline the reasons that it may be necessary/ beneficial to monitor engineering activity.	PROMT7	K6											Question 189				
8.2	Outline the type of information that may be useful as part of system designed to monitor engineering activity.	PROMT7	K6											Question 190				
8.3	Outline how monitoring can improve the engineering performance and engineering reliability.	PROMT7	K6											Question 191				
8.4	Outline the various types of monitoring and monitoring techniques that your organisation utilises across a range of engineering activities.	PROMT7	K7											Question 192				
8.5	Define the advantages and limitations of some of the monitoring activities and monitoring techniques used by your organisation.	PROMT7	K7											Question 193				
8.6	Outline how you would define or where you would find information that relates to the normal running and operational characteristics of the engineering activity to be monitored.	PROMT7	K9											Question 194				
8.7	Outline how the monitoring equipment used by your organisation is calibrated to ensure accuracy.	PROMT7	K9											Question 195				
8.8	Define the process that is used by your organisation to validate information as part of a decision making process.	PROMT7	K10											Question 196				
8.9	Outline why the validation process is important, and the implications of relying on inaccurate data/ information.	PROMT7	K10											Question 197				
8.10	Outline the types of problems/ issues that may occur when carrying out a monitoring process, and the various approaches that could be implemented to resolve these types of issue.	PROMT7	K11											Question 198				
Total Units				0	0	0	0											

Signed - Candidate

Signed - Assessor

Comments

ENGINEERING SUPERVISOR																						
SECTION 8				PROMT7 - Monitoring Engineering Activities				NAME														
Development Area				Standard		Ref		Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
											1	2	3	4	5			1	2	3	4	
8.11 Outline the importance to your organisation of resolving problems quickly.				PROMT7		K12												Question 199				
Note the elements of PROMT7 (K13) are covered by the questions 8.8 and 8.9 (K10 of PROMT7).				PROMT7		K13																
Note some of the elements of PROMT7 (K14) are covered by the questions 6.14 to 6.19 inclusive of K9 of PROMT5 .				PROMT7		K14																
Note some of the elements of PROMT7 (K14) are covered by K12 of PROMT5 .				PROMT7		K14																
Note some of the elements of PROMT7 (K16) are covered by the questions 6.23 to 6.25 inclusive of K14 of PROMT5 .				PROMT7		K16																
Note some of the elements of PROMT7 (K17) are covered PROMT2 (Identify Health and Safety Hazards in Mines).				PROMT7		K17																
Note some of the elements of PROMT7 (K17) are covered by the questions 6.14 and 6.15 of K19 of PROMT5 .				PROMT7		K17																
8.12 Outline the type of information to be recorded following any engineering monitoring activities.				PROMT7		K18												Question 200				
8.13 Identify the types of information and the amount of detail that would typically be required from engineering monitoring activities.				PROMT7		K18												Question 201				
8.14 Outline where information and records relating to engineering activities are kept within your organisation.				PROMT7		K19												Question 202				
8.15 Outline the procedure, permissions, or process within your organisation required to access/ amend information relating to engineering activities.				PROMT7		K19												Question 203				
Note the elements of PROMT7 (K20) are covered by the questions 8.14 and 8.15 (K19 of PROMT7).				PROMT7		K20																
Note the elements of PROMT7 (K22) are covered by the question 6.43 (K29 of PROMT5).				PROMT7		K22																
Note the elements of PROMT7 (K23) are covered by the question 6.33 of K24 of PROMT5 .				PROMT7		K23																
Total Units								0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments														

		ENGINEERING SUPERVISOR																
SECTION 8		PROMT7 - Monitoring Engineering Activities												NAME				
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
	Note some of the elements of PROMT7 (K24) are covered by the question 6.33 of K24 of PROMT5 .	PROMT7	K24															
	Note some of the elements of PROMT7 (K24) are covered by the questions 6.35 to 6.37 inclusive (K26 of PROMT5).	PROMT7	K24															
	Note some of the elements of PROMT7 (K24) are covered by the questions 6.41 to 6.45 inclusive (K28 of PROMT5).	PROMT7	K24															
	Note some of the elements of PROMT7 (K25) are covered by the questions 6.30 and 6.31 of K21 of PROMT5 .	PROMT7	K25															
	Note some of the elements of PROMT7 (K25) are covered by the question 6.32 of K23 of PROMT5 .	PROMT7	K25															
	Note some of the elements of PROMT7 (K25) are covered by the question 6.43 of K29 of PROMT5 .	PROMT7	K25															
P8.1	Monitoring the engineering process at suitable opportunities.	PROMT7	P1															
P8.2	Monitor the supply and use of resources to ensure that they are effectively used.	PROMT7	P2															
P8.3	Confirm that the materials being used during the engineering process to comply with the specifications.	PROMT7	P3															
P8.4	Confirm that suitable engineering methods and procedures have been used.	PROMT7	P4															
P8.5	Identify the variations from agreed plans or schedules.	PROMT7	P5															
P8.6	Ensure that any problems within the engineering process are identified.	PROMT7	P6															
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										



ENGINEERING SUPERVISOR																		
SECTION 9				PROMR03 - Control of Major Mining Hazards				NAME										
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
	Note some of the elements of PROMR03 (K1) are covered PROMT2 (Identify Health and Safety Hazards in Mines).	PROMR03	K1															
9.1	Outline the key elements of Part 3 (Control of Major Mining Hazards) of the Mines Regulations 2014.	PROMR03	K1											Question 204				
9.2	Identify the major mining hazards and other significant hazards that could be present in the normal area of responsibility.	PROMR03	K2											Question 205				
9.3	Identify the major mining hazards and other significant hazards in other areas of the mine that you may be expected to supervise.	PROMR03	K2											Question 206				
9.4	Outline the process that your organisation uses to assess the major mining hazards.	PROMR03	K3											Question 207				
9.5	Identify how your organisation measures the effectiveness of the controls that are in place to manage the major mining hazards.	PROMR03	K3											Question 208				
9.6	Identify how the preventative and mitigating controls (for example engineering controls, and standard operating procedures) are developed to control and mitigate the major mining hazards.	PROMR03	K3											Question 209				
9.7	Define how safety performance indicators may be used to review and evaluate the effectiveness of the preventative and mitigating controls of major mining and other significant hazards.	PROMR03	K3											Question 210				
	Note some of the elements of PROMR03 (K4) are covered by questions 9.4 to 9.7 inclusive of K3 PROMR03 .	PROMR03	K4															
9.8	Identify the areas where specialist reports/ assessments are used within your organisation as part of the evaluation of major mining hazards.	PROMR03	K4											Question 211				
9.9	Identify where manufacturers information may be essential to evaluating the impact of introducing plant and equipment has on the control of major mining hazards.	PROMR03	K4											Question 212				
9.10	Identify how guidance documents may be used and references within your organisation to support the development and implementation of best practice.	PROMR03	K5											Question 213				
9.11	Define the standing of ACOP and guidance documents in law.	PROMR03	K5											Question 214				
	Note some of the elements of PROMR03 (K6) are covered by questions 9.10 and 9.11 of K5 PROMR03 .	PROMR03	K6															
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

ENGINEERING SUPERVISOR																		
SECTION 9				PROMR03 - Control of Major Mining Hazards				NAME										
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
	Note some of the elements of PROMR03 (K6) are covered by questions 9.10 and 9.11 of K5 PROMR03 .	PROMR03	K6															
9.12	Identify codes of practice, industry guidance and British Standards that relate to major hazards in your area of responsibility.	PROMR03	K6										Question 215					
	Note some of the elements of PROMR03 (K6) are covered by questions 9.2 and 9.3 of K2 PROMR03 .	PROMR03	K7															
9.13	Identify how major hazards may, if not suitably assessed and controlled, escalate to multiple casualty/ multiple fatality and the serious business impact that this may have.	PROMR03	K7										Question 216					
9.14	Define how the emergency procedures within your organisation are developed to take cognisance of escalation potential.	PROMR03	K7										Question 217					
	Units K8, K9, and K10 have not been included within this programme (relevance to engineering supervisors).																	
9.15	Identify the type and location of monitoring systems that are located within your area of responsibility.	PROMR03	K11										Question 218					
9.16	Define the type of information that those monitoring systems (9.2) can generate.	PROMR03	K11										Question 219					
9.17	Identify any alarm or action levels (trigger points) for the various monitoring systems, and the response required under your organisation standard operating procedures.	PROMR03	K11										Question 220					
	Units K12, K13, K14, K15, K16, K17, K18, K19, K20, K21, K22, K23, K24, K25, K26, K27, K28, and K29 have not been included within this programme (relevance to engineering supervisors).																	
9.18	Identify the minimum PPE requirements in your area of responsibility.	PROMR03	K30										Question 221					
9.19	Outline any specific organisational or statutory requirements relating to the maintenance of PPE/ RPE.	PROMR03	K30										Question 222					
9.20	Outline the procedures within your organisation to identify and report faulty equipment/ procedures/ systems.	PROMR03	K31										Question 223					
9.21	Outline the methods used within your organisation to take faulty plant and equipment out of use until defects have been rectified.	PROMR03	K31										Question 224					
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										

ENGINEERING SUPERVISOR																		
SECTION 9				PROMR03 - Control of Major Mining Hazards				NAME										
Development Area		Standard	Ref	Know. Elements	Comp	Practical Elements	Practical Elements Completed					Candidates Signature	Reviewers Signature	Practical and Knowledge Evidence References				
							1	2	3	4	5			1	2	3	4	
9.22	Outline how any requests for repair are generated within your organisation.	PROMR03	K31											Question 225				
9.23	Outline how your organisation maintains accurate reports and records of any repairs completed, and why this information may be important.	PROMR03	K32											Question 226				
	Units K32, K33, K34, K35, K36, K37, K38, K39, and K40 have not been included within this programme (relevance to engineering supervisors).	PROMR03																
	9.1 to 9.23 are additional questions to those required under the National Occupational Standards, there are no additional practical elements included within the training programme.																	
Total Units				0	0	0	0											
Signed - Candidate				Signed - Assessor				Comments										