

Common Induction Programme

Knowledge Statements

The proposal would be to deliver the knowledge elements with support of a presentation, the knowledge elements would be tested at the end to confirm understanding.

Common Elements		
Safe in the Underground Environment (MPQVG01)		
Knowledge Statement		Elements
K1(a)	Hazards associated with occupational tasks/ underground work environments	Electricity in the mine environment
		Mechanics in the mine environment
		Vehicles/ machines operating
		Conveyors/ mineral transport systems
K1(b)	Major Mining Hazards	Mine Gases (poisonous/ noxious/ toxic/ explosive) [normal constituents of mine air]
		Mine ventilation
		Explosions
		Ground control (and geology)
		Inrush
		Mass Transport
		Fire in the mine environment
K1(c)	Operational Hazards	Typical mining process
		Other persons working
K3	Skills and aptitude for underground working	Personal behaviour
K5	Regulations and standards that are common to the occupational area	The Health and Safety at work Act
		The Mines Regulations
		Management Regulations
		Control of Substances Hazardous to Health
		PPE Regulation
K6	Notices and signs	Identify common signs that are found in the mine environment
K8	Health related issues	Dust in the mine environment
		Oils and greases (dermatitis)
		Noise
		Vibration
		Heat
		Diesel Engine Exhaust Emission (DEEE)
K21	Procedures for the use of fire extinguishers	Types of fire extinguishers (water/ CO2/ powder)
		Uses and limitations of fire extinguishers

Mine Specific Elements		
Safe in the Underground Environment (MPQVG01)		
Knowledge Statement		Elements
K4	Hazard avoidance	Typical prework examinations
K5	Regulations and standards that are common to the occupational area	Site specific rules/ standards
K12/14	Accessing the workplace	Security arrangements on the mine site
		Procedures for entering the mine
		Procedures for leaving the mine
		The arrangements for making a workplace secure and limiting the entry of vehicles or people
		Arrangement for accessing controlled areas/ exclusion zones
		Restriction on items/ equipment to be taken below ground (contraband)
K2/K15	Method of reporting hazards (or incidents) in the workplace	How you report hazards in the mine
		Actions in the event of an incident
		Reporting an accident or incident
		Reporting near misses
K7	Personal Protective Equipment	
		Minimum requirements for PPE / RPE in the mine
		Replacement procedures
		Apparatus for self-escape
K10	Task preparation, working arrangements and completion	Inspection of PPE / RPE
		Pre-work examinations
		On-site risk assessment
K9/11	Authorisations before work can start	Housekeeping
		Personal authorisations and operational limits
		Permit systems
K16/ 17/18/19	Emergency procedures	Specific authorisations required to do certain work
		Alarms/ warning sirens
		Actions in the event of an emergency
		Communication protocols
		Escape routes from the place of work
		Location of key emergency arrangements underground (for example safe haven)
		Providing assistance
K20	Procedures for first aid	Evacuation routes from the designated place of work
		Use of self-escape apparatus
K20	Procedures for first aid	Identification of first aiders and first aid stations
		Summoning first aid assistance

Mine Specific Elements		
Conform to Efficient Work Practices (MPQVG02)		
Knowledge Statement		Elements
K1	Line of authority at the mine	Introduction to the management structure
		Key roles (operational and safety at the mine)
K2	Methods of communication	Reporting systems
		Deployment systems
		Arrangements for managing health and safety within the business
		Departmental communication systems
K3	How to work as a proactive member	Values of the organisation
		Expected behaviours
		Minimum safety standards/ rules
K4	Organisational policies or procedures appropriate to your work	How work is allocated
		Identifying the appropriate methods of work
		Identification of required resources
		On-site behaviours
		Reporting methods
K5	Work documentation	Work instructions (safe systems of work e.g. RAMS)
		Safety instructions
		Site specific rules or standards
		Limitation of work/access permits
K6	Personal role and responsibilities	Limits of authority
		Job description
		Understands how people are authorised to carry out specific tasks/roles

Practical Elements

These elements could be completed by putting together a suitable assessment that is applied within the operational mine environment. The table below aims to identify the elements from the PROM01 and MPQVG02 standards that could be assessed. The objective would be to develop a common assessment that could be utilised by all the mine operators, it would be the responses that for that assessment that would be different for each operator.

It is likely that the candidate will have spent some time under close personal supervision ahead of the assessment being completed, which would allow this assessment to form the basis of allowing the candidate to move and operate safely within the mine environment. The time spent working under CPS may also be a way of covering some of the required practical activities.

Common Elements		
Safe in the Underground Environment (MPQVG01)		
Practical Element		Assessment Criteria
P1(a) /P2	Identify potential workplace hazards	The candidate can physically identify the hazards that are present in that work area
		The candidate can identify general hazards within the mine
		The candidate can identify any potential health related hazards in the workplace
		The candidate can outline the controls that should be in place
		The candidate can identify the controls that they must put in place, and structures the workplace to control the hazards
		Can demonstrate the process for carrying out a point of work risk assessment (and where others are present can lead the discussion)
		The candidate can demonstrate the process for recording and reporting hazards that are present in the workplace
		The candidate can demonstrate compliance with safety legislation
P1(b)	Identify potential major hazards	The candidate can physically identify the major hazards that are present in that work area
		The candidate can identify the measures that they should take to keep them safe
		The candidate can outline the controls that should be in place
		The candidate can demonstrate the process for recording and reporting major hazards that are present in the mine
P3/P4	Operate safely/ comply with organisational procedures	Presents themselves for work on time
		Has the correct PPE/RPE with them to comply with the minimum standards

		Can demonstrate the procedure for entering the mine safely and leaving at the end of the shift
		Can find their way in the mine to their designated place of work
		The behaviours observed are consistent with those expected by the organisation
		The candidate can demonstrate compliance with company rules , procedures, and standards
P5	Comply with emergency procedures in accordance with organisational policy	Can demonstrate an awareness of the emergency procedures
		Can articulate the type of information that they would be expected to communicate in the event of an emergency
		Knows where to go to remove themselves from the area to a place of safety
		Can demonstrate they can use and self - rescue equipment required
P6	Respond to incidents and emergencies	Knows how to initiate the emergency procedure
		Can articulate the type of information that they would be expected to communicate in the event of an emergency
		Can accurately define the reporting arrangements for an incident or accident through the chain of command, and understands their part in that reporting procedure

Common Elements		
Conform to Efficient Work Practices (MPQVG02)		
Practical Element		Assessment Criteria
P1	Carryout work activities allocated following organisational procedures	Can articulate the task to be performed
		Can demonstrate where risk assessment and method of work is located
		Can set up the job to comply with the risk assessment and method of work
		Can articulate the process if there is a deviation to the method of work required
		Can make the work area safe to prevent other people entering
P2/P3	Communicate with the relevant people to ensure that the work is completed efficiently. Works with others to complete the work activities	Fits as part of the team
		Understands their role in the team, and the role of others
		Actively participates and contributes to the workplace discussions
		Sets up the tools to the correct standard to complete the task
		Carries out any pre-use checks to ensure that the tool(s) are safe to use
		Can strip down, clean and store the tool(s) so that they are stored safely ready for their next use
		Demonstrates that they can work as part of a team
		Can articulate any steps that they would take to ensure that the work area was left in a safe condition for the next shift
		Can demonstrate the use of the mine communication systems (fixed and portable) and can demonstrate appropriate communication skills
P4	Report t in accordance with organisational procedures	Can identify the elements that (what) would need to be reported at the end of the job
		Can identify who the report should be provided to
		What they should do if there is outstanding work, and the area can't be secured at the end of their shift
		Can identify who should receive the report