MPQMG34
Mining shaft routine inspection and maintenance

Overview

This standard states the skills, knowledge and understanding required to safely inspect and carry out routine maintenance on mine shafts and associated equipment, for example headgear, suspension gear, landings, shafts, staple shafts,, cages, lifts, skips, guide rails, sumps and other equipment and combinations of equipment. The activity is likely to be a planned and scheduled routine activity, but may also be carried out as required to cover changing or unscheduled activities. The maintenance requirements are routine and basic, and are limited in scope to those where specific mine mechanical engineering skills and knowledge are required.

The standard applies to anyone carrying out this activity, most likely by a specially trained and appointed mine worker, who may not be a qualified mechanical technician.

Performance criteria

You must be able to:

- P1 obtain **information** on the inspection and maintenance activities required
- P2 agree with others the work to be carried out, including timescales
- P3 confirm sufficient resources are available for the agreed work
- P4 check the suitability of the available resources required for the agreed work
- P5 organise the work and work area to minimise risks
- P6 establish and maintain effective communication throughout the inspection and maintenance activity
- P7 carry out shaft routine inspection and maintenance in compliance with organisational **approved policies, procedures and practices**
- P8 check and store tools and equipment according to organisational requirements
- P9 deal with defective tools and equipment in accordance with organisational procedures
- P10 report according to organisational requirements

Knowledge and understanding

You need to know and understand:

K1 the types of inspection and maintenance activities you are required to carry out, and why they are required

K2 the organisational **approved policies, procedures and practices** as appropriate to the work activity

K3 the organisational **information**, communications and reporting arrangements related to mine shaft inspection and routine maintenance

K4 the resources required to support mine shaft inspection and routine maintenance, their uses, how to check them, and how to secure, store or dispose of after use

K5 how to organise the mine shaft inspection and routine maintenance to minimise risk

K6 how to complete the inspection and maintenance activities within the agreed timescales and in compliance with organisational **approved policies, procedures and practices**

K7 the hazards and risks associated with the work activity, how they could affect yourself, others and the work environment, and how they are controlled

K8 the precautions to be taken when working at height

K9 what, when and why additional personal protective equipment should be used when inspecting or routinely maintaining mine shafts

K10 the limits of your own role and responsibility

K11 the problems that can occur in relation to mine shaft routine inspection and maintenance, and how to respond to them

K12 the actions to be taken in the event of damage, breakdown or unsatisfactory performance of tools, equipment or resources

K13 the waste products produced or identified during mine shaft inspection and maintenance, and how to dispose of these

K14 mine shaft incidents that require reporting under current legislation

K15 the reporting procedures on completing the work

Additional information

Scope/range

1 **approved policies, procedures and practices**; legislative, organisational, operational, accident or emergency, first aid, environmental as appropriate to the mine and work activity

2 **information**; authorisations, lock-off or isolation procedures, permits, inspection, maintenance or monitoring requirements as appropriate to the mine, equipment and work activity

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