MPQMG18
Slinging and signalling the movement of loads in mines

Overview

This standard is about the skills knowledge and understanding required to sling and signal the movement of loads in mines. The standard can apply to any type of lifting operations and slinging equipment, and can be applied to hauled loads as well as suspended loads. The standard is primarily concerned with safe lifting or hauling and safely guiding it to an agreed location. It includes elements of planning, inspection communications and use of resources to complete the task. It will normally involve working in a team with the operator of lifting or haulage plant or machinery.

This standard could apply to mining operatives performing several functions, such as banksmen, onsetters, winding or haulage engine operatives, slingers, loaders, and other specialists, as well as any miner carrying out these functions in conjunction with their normal mine work. It could also apply to those in supervisory or managerial positions.

Performance criteria

You must be able to:

P1 obtain information on the work activity, items to be moved and the location of the items before and after movement

P2 agree with others the work to be carried out

P3 check the movement route and final location are prepared and appropriate for the movement

P4 organise the work to minimise risks

P5 select, inspect and prepare slinging and signalling equipment

P6 attach slinging equipment to **loads** in compliance with **approved policies, procedures and practices**

P7 communicate with others using organisational procedures and the agreed communication method

P8 signal to guide **loads** in compliance with **approved policies, procedures and practices**

P9 signal **loads** into final location, check stability and detach slinging equipment

P10 make adjustments to the work plan within limits of own responsibilities as required to complete the work

P11 report according to organisational requirements

Knowledge and understanding

You need to know and understand:

K1 the organisational **approved policies, procedures and practices** as appropriate to the work activity

K2 the organisational information, communications and reporting arrangements relating to the work activity

K3 the types of communication systems and signalling methods used in the mine

K4 the hazards and risks associated with the work activity, how they can affect yourself, others or the environment, and how they are controlled

K5 how to carry out a dynamic risk assessment

K6 how to confirm that the signalling system is operational and understood, and the actions to take if it is not operational or understood

K7 the types of slinging equipment available, how to use them and their limitations

K8 how to inspect slinging, lifting and hauling equipment

K9 the safe use, handling and storage of slinging, lifting and hauling equipment

K10 the indications that slinging equipment may be defective

K11 the organisational procedures in the event of slinging, lifting and hauling equipment being unsuitable or defective

K12 how to develop a lifting or haulage plan

K13 how to assess **loads** prior to slinging

K14 the precautions to be taken whilst signalling the movement of **loads**

K15 how to confirm the route of travel is suitable and free from obstruction

K16 the problems that can occur when moving **loads**, and how to respond to them

K17 the limits of your own personal responsibility

K18 reporting procedures on completion of the work

Additional information

Scope/range

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

2 **loads:** carry out slinging and signalling in relation to at least three of the following types of load – balanced; unbalanced; loose; bundled; containerised; drums; palletised

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