

## Overview

Deal with misfires in accordance with approved procedures and practices.

This standard comprises the following:

- 1 Identify type and position of misfire
- 2 Take remedial action with misfires
- 3 Recover explosive materials

You will be required to demonstrate that you can deal with misfires in accordance with the relevant workplace procedures.

This activity is likely to be undertaken by someone whose work role involves Weapons, Ordnance, Munitions or Explosives work activities. This includes blasting personnel.

## Performance criteria

*You must be able to:* 1 Identify type and position of misfire

P1 electrical misfires before firing are correctly recognized and identified by an approved systematic method of testing

P2 signs of misfires are firing are correctly recognized and communicated to appropriate person(s)

P3 located misfire is clearly marked in accordance with operational and organizational rules and procedures

P4 problems and conditions outside the responsibility of the candidate are referred to an authorized person

P5 work is carried out to approved procedures and practices and in compliance with statutory requirements

2 Take remedial action with misfires

P6 initial and remedial action(s) for dealing with a misfire are carried out in accordance with operational and organizational rules and procedures

P7 an exclusion zone is correctly secured in conformity with operational and organizational rules and procedures

P8 method of dealing with the misfire is recorded and reported clearly and accurately in accordance with operational and organizational procedures

P9 problems and conditions outside the responsibility of the candidate are referred to an authorized person

P10 work is carried out to approved procedures and practices and in compliance with statutory requirements

3 Recover explosive material

P11 the area of recovery is secured and isolated until recovery has been carried out and the area made safe

P12 the method of recovery used for unexploded charges minimizes the risk of accidental initiation and is in conformity with operational and organizational rules and procedures for misfires

P13 explosives and detonating devices are recovered in accordance with operational and organizational rules and procedures

P14 the recovery operations is carried out to maximize the safe and complete recovery of all unexploded charges

P15 problems and conditions outside the responsibility of the candidate are referred to an authorized person

P16 work is carried out to approved procedures and practices and in

compliance with statutory requirements

## Deal with misfires

## Knowledge and understanding

*You need to know and understand:* 1 Identify type and position of misfire

- K1 health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives and their implications for your area of work
- K2 hazards associated with misfires and unexploded charges
- K3 approved methods of testing circuits
- K4 systematic testing to reveal location of faults in a circuit
- K5 recognition of undisturbed ground and indications of unfired charges after blasting
- K6 relevant legislation and guidelines
- K7 format and detailed requirements for completion of misfires record
- K8 candidate's statutory and organizational specific responsibilities for recording and reporting misfires
- K9 safety procedures during testing and inspection
- K10 marking of misfires
- K11 definition of misfire types
- K12 causes of misfires
- K13 avoidance of misfires.

2 Take remedial action with misfires

- K14 health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives and their implications for your area of work
- K15 recognized safe procedures for dealing with misfires
- K16 hazards associated with misfires and unexploded charges
- K17 possible effects of sympathetic detonation on projection of flyrock
- K18 causes of premature detonation
- K19 the accurate location of blast holes
- K20 format and detailed requirement for completion of misfires record
- K21 candidate's statutory and organization specific responsibilities for recording and reporting misfires
- K22 relevant published information

3 Recover explosive materials

- K23 health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives

Deal with misfires

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and their implications for your area of work

K24 the dangers of accidental initiation by impact or friction

K25 safe methods of handling and disposal of explosive materials recovered from the site

K26 desensitization of bulk/loose grain explosives

K27 detonators, primers, cords and fuses

K28 relevant legislation

## Deal with misfires

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