

Overview

This standard covers the competences you need to contribute to the preparation and positioning of safe and effective explosive effects. You are required to have the knowledge, skills and understanding necessary to contribute to the preparation and positioning of safe and effective explosive effects, at the same time ensuring that your work complies with all legal, statutory, industrial and organizational requirements. You must be able to identify any potential hazards and risks to health and safety inherent in your work. You must also know what actions would need to be taken in case of an emergency at each effect in which you have a contributory role, as well as ensuring that your work takes account of the safety of all who attend or are present for these events. You will be required to work to the relevant legislation, regulatory requirements and organizational policy, and to follow applicable industry codes of practice and instructions.

Your responsibilities will require you to comply with health and safety requirements and organizational policy and procedures for the explosive effects work that you undertake. You must be able to recognize any limitations in your own competence in this work, and ask for appropriate help and advice in when it is needed. You may be required to work with or without supervision, therefore taking responsibility for your own actions and for the quality and accuracy of the work that you carry out.

Your underpinning knowledge will provide an understanding of your explosive effects work, in order to apply safely the appropriate principles and practices. You will be competent in the safe use of the materials, equipment, consumables and instruments associated with your work and that of anyone assisting you, and with the procedures appropriate to your job. Your depth of knowledge will be sufficient to enable you to contribute to the preparation and positioning of safe and effective explosive effects that meet both customer requirements and the imperatives of health and safety.

You will understand the safety precautions required when mounting explosive effects and will apply these to your work at the appropriate level. You will also understand your responsibility to others for incorporating the necessary safeguards to protect them in the locations in which you have contributed to the preparation and positioning of an explosive effect.

This activity is likely to be undertaken by someone whose work role involves Weapons, Ordnance, Munitions or Explosives work activities. This includes people working as explosives entertainment supervisors.

Performance criteria

- You must be able to:*
- P1 work safely at all times, complying with health, safety and environmental and other relevant regulations, legislation and guidelines
 - P2 confirm the suitability of the area and resources to meet the design requirements
 - P3 prepare the area in accordance with the plan
 - P4 prepare and set up the equipment and explosive effects in accordance with the plan and confirm their serviceability
 - P5 ensure that safety arrangements are in place in accordance with the plan
 - P6 respond to developing events and priorities in accordance with procedures
 - P7 recommend amendments to the plan in the light of changing circumstances and/or information
 - P8 ensure the safety and security of the area and explosive effects in accordance with the plan
 - P9 report matters beyond your competence or authority to the right person
 - P10 communicate unambiguously to those who need to know that the explosive effects have been positioned and are ready to be initiated

Knowledge and understanding

- You need to know and understand:*
- K1 health, safety and environmental legislation, regulations and safe working practices governing explosives in your area of work
 - K2 the relevance of PPE
 - K3 the nature, characteristics, hazards and risks of the explosive substance and/or article
 - K4 the actions to be taken in response to an unplanned event
 - K5 the initiation of the explosive substances and/or articles being used
 - K6 the importance of ensuring the safety and security of firing devices
 - K7 how to implement your role in contingency plans
 - K8 the requirements of any relevant manufacturers' instructions and industry codes of practice
 - K9 the location and any associated constraints
 - K10 who needs to be informed that your effect has been prepared
 - K11 the importance of unambiguous communication
 - K12 the roles, responsibilities and authorities of those involved

Scope/range

- 1 Factors affecting the preparation and positioning; secondary hazards; electrostatic conditions; atmospheric conditions; radio frequency transceivers
- 2 Nature of display: single phase; single explosive device/delivery system
- 3 Resources: equipment; consumables

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