



National  
Operational  
Guidance

# Hazard

## Tunnels under construction



**NFCC**  
National Fire  
Chiefs Council

Developed and maintained by the NFCC

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## Hazard - Tunnels under construction

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### Knowledge and understanding

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Hazard	Learning outcome
Tunnels under construction	Understand all associated hazard knowledge



## Control measure - Establish arrangements for tunnels under construction

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### TRAINING SPECIFICATION

### Knowledge and understanding

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Control measure element	Learning outcome
Emergency plans for tunnels under construction	Understand: <ul style="list-style-type: none"><li>The process for the agreement of specialist controls and procedures for tunnels under construction</li><li>The limitations on fire and rescue service intervention for incidents at tunnels under construction</li></ul>
Compressed air working	Understand: <ul style="list-style-type: none"><li>The roles and responsibilities of the contractor for firefighting or rescue of on-site staff</li><li>The potential role of the fire and rescue service, if requested to provide assistance with a contractor's emergency arrangements</li></ul>



**Control measure element**

**Learning outcome**

Pre-planning and familiarisation

Understand:

- The benefits of regular site inspection visits of tunnels under construction
- The benefits of using joint on-site training to gain familiarisation of tunnels under construction
- The provision and use of refuge chambers in tunnels under construction

**Practical application**

**Control measure element**

**Learning outcome**

Adhere to emergency plans for incidents in tunnels under construction

Demonstrate the ability to:

- Know how to refer to the emergency plan for the special controls and procedures
- Implement special controls if appropriate
- Provide assistance with the contractor's emergency plans, if agreed and arranged

Not commit personnel to tunnels that are subject to compressed air working

Demonstrate the ability to:

- Ensure personnel understand the hazards of compressed air working
- Prevent personnel from entering a tunnel that is subject to compressed air working

Establish and communicate limits of operation in tunnels under construction, based on identified risks and available resources

Demonstrate the ability to:

- Determine what assistance can be provided by the fire and rescue service
- Ensure responders and the responsible person understand the limits of fire and rescue service operations