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### Overview

This standard is about patrolling tunnels using official vehicles. It includes undertaking pre-use inspections of the vehicles, and also checking that the associated operational equipment is available which might include fire extinguishers, signs, cones and first-aid supplies. It also includes driving the vehicles safely, taking into account the road type and prevailing conditions.

An understanding and an ability to implement on-road response procedures towards addressing potential risk scenarios which could occur in, and on the approaches to, tunnels is a key requirement of this standard.

This standard is intended primarily for non-emergency services where the driving of the vehicle and undertaking of associated manoeuvres is within laid down procedures.

It is a requirement of this standard that you also hold a current, full national driving licence.

Maintaining your own health and safety, and that of other road-users within the tunnel, is of paramount importance.

**There are two elements:**

- 1 Prepare official vehicles for patrol
- 2 Drive official vehicles safely in tunnels

### Performance criteria

#### Prepare official vehicles for patrol

*You must be able to:*

- P1 carry out a pre-use inspection of the vehicle, including the checking of tyres, brakes, fluid levels, lights, electrical and safety equipment, in line with legislative and your organisation's requirements
- P2 check the bodywork and cleanliness of the vehicle
- P3 identify any defects or damage to the vehicle and equipment, and address these promptly and correctly, reporting these to the appropriate person where necessary
- P4 identify any equipment that is missing, and address this promptly and correctly
- P5 ensure that any required operational equipment is available and in proper working order, addressing any problems promptly and correctly
- P6 ensure that you take out only those vehicles which have fulfilled inspection requirements
- P7 maintain accurate and complete documentation regarding inspections and associated preparations

#### Drive official vehicles safely in tunnels

*You must be able to:*

- P8 drive official vehicles safely at all times, and in accordance with the requirements of relevant legislation, the Highway Code and your organisation's procedures
- P9 drive at all times within the limits of the vehicle and your personal ability, whilst taking into account the type of road and the road surface, time of day, the volume of traffic including low and high volumes, visibility and weather conditions
- P10 conduct compliant vehicle manoeuvres safely, legally, and in line with your organisation's procedures
- P11 manoeuvre your vehicle, including parking and using speed, in a manner designed to achieve effective and safe traffic flow amongst other road-users
- P12 take all reasonable actions to maintain the health and safety of yourself and others whilst driving
- P13 are able to provide a justifiable rationale for your actions when driving the vehicle
- P14 can apply relevant on-road traffic management procedures for addressing potential risk scenarios, including fires and chemical spillages, which could occur in and on the approaches to the tunnel(s) within your area of operations, in line with your level of authority and responsibility
- P15 recognise and respond correctly to fatigue, stress and any further factors which might impair your judgement, performance and decision-making

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- while driving
- P16 identify and report correctly any defects or damage to your vehicle and equipment whilst these are in your control, in line with your organisation's procedures
- P17 maintain accurate and complete documentation in line with your organisation's requirements

### Knowledge and understanding

*You need to know and understand:*

#### Legal and organisational requirements

- K1 the requirements of current legislation, policies, procedures and codes of practice, including your organisation's standards and performance indicators, relevant to preparing and driving official vehicles in and on the approach to tunnels
- K2 current, legislation and organisational requirements relating to data protection, race and diversity and maintaining health and safety, relevant to your area of operations
- K3 the levels of authority available to you when driving official vehicles, and the steps to take in circumstances requiring actions beyond such levels

#### Addressing risk scenarios associated with tunnels

*You need to know and understand:*

- K4 potential risk scenarios which could occur in and on the approaches to the tunnel(s) within your area of operations, including scenarios relating to vehicle and non-vehicle related incidents, fires, chemical spillages, traffic congestion, vehicle loads, weather hazards and planned maintenance
- K5 emergency on-road response procedures for addressing fires and chemical spillages occurring in and on the approaches to the tunnel(s) within your area of operations, and your role and responsibilities associated with these procedures
- K6 on-road response procedures for addressing the potential risk scenarios, in addition to fires and chemical spillages, which could occur in and on the approaches to the tunnel(s) within your area of operations, and your role and responsibilities associated with these procedures
- K7 the equipment, systems and communications infrastructure for dealing with potential risk scenarios which could occur in and on the approaches to the tunnel(s) within your area of operations
- K8 procedures for managing traffic in the tunnel(s) within your area of operations where there is total power failure, and also where there is a failure of the normal power supply and reliance is made upon a standby source

#### Pre-use inspection of the vehicles

*You need to know and understand:*

- K9 the types of pre-use inspections that are required and the parts of the vehicle which should be inspected and the limitations of these checks
- K10 the principal types of problems which may occur with official vehicles and how they should be dealt with
- K11 the types of operational equipment required for patrol in and on the approach to tunnels

K12 the condition in which the vehicle should be left after use

### Driving vehicles

*You need to know and understand:*

- K13 how to drive official vehicles safely and efficiently, including the importance of taking into account the road type, time of day or night, traffic volume, road surface, visibility and weather conditions when driving, and how to do this
- K14 the geography of the road network in and on the approach to the tunnel(s) within your area of responsibility, including the types and nature of the roads within this area
- K15 the importance of taking into account the health and safety of yourself and others at all times during driving, and how to do this
- K16 how to recognise and take account of fatigue, stress and other physical and psychological factors that might affect your judgement, performance and decision-making during driving
- K17 how to conduct compliant vehicle manoeuvres safely and legally, and the associated traffic management measures used by vehicles appropriate for dealing with normal traffic flow, and for special movements, planned and emergency maintenance, and emergency incidents, in and on the approaches to the tunnel(s) within your area of operations
- K18 safe access and egress routes for vehicles and personnel within tunnel(s) in your area of operations
- K19 the restrictions upon the type of traffic permitted to use the tunnel(s) within your area of operations, and the rationale for these restrictions
- K20 available alternative routes for road users unable to use the tunnel(s) within your area of operations
- K21 speed limits in and on the approaches to the tunnel(s) within your area of operations, and the rationale for these
- K22 the importance of undertaking risk assessments of on-road incidents, the associated factors to consider when such incidents occur in and on the approaches to tunnels, and how to do this
- K23 evacuation procedures for the tunnel(s) within your area of operations and your role and responsibilities associated with these procedures
- K24 how to determine the need to respond using visual warning devices and how to use these effectively
- K25 the likely impact of visual emergency warning devices on others
- K26 the impact of official vehicles upon the behaviour of other road-users, and the importance of manoeuvring official vehicles, including parking and the use of speed, in a way which promotes safe effective traffic flow amongst other road- users

### Documentation

*You need to know and understand:*

- K31 the purpose of the relevant documentation and how to complete this

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<b>Developed by</b>	Skills for Justice
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<b>Relevant occupations</b>	Public Services; Public Service and Other Associate Professionals
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<b>Suite</b>	Traffic Management
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<b>Key words</b>	traffic management, driving vehicles
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