

## UKTTE03

# Monitor and assess safe systems of work in the Tram and Tramway environment



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### Overview

This standard identifies the competencies you will need to monitor and assess safe systems of work in the Tram and Tramway environment. It is about making sure that there are systems in place to ensure the separation of workers, and also the general public, from moving Tram vehicles, Tram vehicle components, infrastructure assets, equipment and components are monitored and assessed before, during and after engineering activities. You will be able to review the effectiveness of safe systems of work and suggest improvements where necessary.

This standard is for those who work in the Tram and Tramway environment at supervisor/technician level and above.

## UKTTE03

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#### Performance criteria

*You must be able to:*

- P1 source and interpret **information and documentation** relating to the work area and its **safe system of work** requirements
- P2 perform a visual assessment of the Tram and Tramway environment to establish the safety condition and requirements
- P3 conduct a work activity risk assessment, where necessary
- P4 identify the safe systems of work requirements
- P5 monitor and assess the safe systems of work at regular intervals before, during and after work activities
- P6 review the effectiveness of safe systems of work
- P7 identify when safe systems of work could be improved
- P8 suggest changes to safe systems of work in line with organisations requirements
- P9 report any issues to safe systems of work in line with organisational requirements

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### Knowledge and understanding

*You need to know and understand:*

- K1 how and when risk assessments are conducted
- K2 the ways in which a risk assessment can inform safe methods of working
- K3 employer and employee responsibilities in relation to safe systems of work in the Tram and Tramway environment
- K4 the relevant **legal and organisational procedures** relating to safe systems of work
- K5 the relevant **control measures** and how these inform a safe system of work
- K6 the methods and techniques for monitoring and assessing a safe system of work
- K7 when safe systems of work need to be reviewed and monitored
- K8 the range of controls and procedures in place to prevent interference with a safe system of work
- K9 the potential impact of a safe system of work failure
- K10 organisational procedures for reporting issues and unsafe working practices

## UKTTE03

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### Additional Information

#### Scope related to performance criteria

P1 **Information and documentation** may include; work permits, risk assessments, site diagrams and schematics, work specifications. **Safe system of work** may include; authorised access/egress points, signage, lighting, CCTV, walking to and from a work site, planned protection arrangements, emergency stop protection arrangements, possession arrangements, isolation requirements, communication/warning arrangements and techniques, positions of safety, safety zones, lookout arrangements, first aid points, emergency assembly point, safety briefings, fire evacuation, working at height requirements, working in confined spaces requirements, authorised walking routes, Personal Protective Equipment (PPE) requirements, emergency service support (as required), walking to and from a vehicle, designated parking areas.

#### Scope related to knowledge criteria

K4 **Control measures** may include those relating to; the type of activity, the location and its access/egress requirements, equipment and plant, materials and components, substances used and produced (dust, fumes, chemicals), personnel (those performing the activities and lines of reporting), sequence of operations, avoidance of obstruction (fire exits, access points), emergency procedures, pedestrian/highways interface.

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## **Additional Information**

### **Glossary**

#### **Tram**

Tramcars, tram vehicle, and any other rail vehicles that operate on tramways. It includes one or more trams coupled together and includes non-passenger-carrying vehicles.

#### **Tramway environment**

Includes the tramway (a set of rails, switches and crossings which form the route of a Tram) , infrastructure (fixed assets used for the running of the Tram transport system, including, the tramway, bridges, tunnels, stops, stations and fixed equipment for signalling, communications and electrification), depots, stabling yards.

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