

Supervise a Tram driving simulator training session

Overview

This standard is about supervising a tram driving simulator training session. You will know and understand the benefits and limitations of using simulator training and the instances in which simulator training is required especially in the training of route knowledge, emergencies and malfunctions. You will be able to create an environment which supports learning and be able to confirm the simulators are available and are set up in line with the learning objectives. You will be able to monitor the training, intervene when required and know and understand the limitations surrounding a specific simulator type and set up.

This standard is for those who work in a Tram Driver training role at supervisor level in the Tram and Tramway environment.

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Performance criteria

You must be able to:

- P1 confirm the Tram driving simulation training session aligns to the overall learning strategy of your organisation
- P2 review suitable previous simulator training session data and information, as required
- P3 provide a **suitable** environment for the Tram driving simulation training session to take place
- P4 undertake a briefing with the learner drivers to confirm they understand the requirements of their Tram driving simulator training session
- P5 set up and configure a Tram driving simulator session to meet individual learner needs
- P6 select **events and scenarios** that are specific to the requirements of learner drivers involved in the simulator training session
- P7 review the performance of the learner driver during the Tram driving simulator sessions
- P8 adapt events and scenarios of the simulation to meet individual learner driver requirements
- P9 interpret and analyse data and information received from the learner Tram driving simulator sessions
- P10 undertake a debriefing to confirm learner drivers have understood their performance during the Tram driving simulator session
- P11 record and report training session information relating to the use of a Tram driving simulator in line with organisational procedures
- P12 follow the latest developments and industry news regarding the different types and current practice of Tram driving simulators
- P13 suggest improvements or changes to the use of Tram driving simulators in line with organisational requirements

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Knowledge and understanding

You need to know and understand:

K1 the ****purpose**** of a Tram driving simulator training session and how this relates to the organisation's overall strategy for learning K2 the ****different types**** of Tram driving simulators available for use K3 the range of ****tools and features**** available on Tram driving simulator in use K4 the ****benefits**** and ****limitations**** of using a Tram driving simulator to support Tram Driver learning in the Tram and Tramway environment K5 the importance of reviewing suitable previous Tram driving simulator data and information K6 the different skills required by the learner drivers to use a Tram driving simulator K7 how to create a suitable environment for a Tram driving simulator session K8 how to set up a Tram driving simulator session to meet individual learner needs K9 the limitations of different Tram driving simulator types and set up K10 the range of simulated events and scenarios that can be used during a Tram driving training session K11 when to use and adapt the simulated events and scenarios during a Tram driving training session K12 the different methods and techniques for analysing and interpreting data and information received from a Tram driving simulator K13 the range of data and information that can be retrieved from a Tram driving simulator K14 how to undertake a briefing and debriefing session with individual or a group of learner Tram drivers K15 the importance of storing and securing data and information K16 the importance of keeping up to date with latest developments and industry news regarding the different types and current practice of Tram driving simulators

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Scope/range related to performance criteria

P3* *Suitable** may include; quiet, free from distraction, positive, supporting.

P6 **Events and scenarios** may include;

- Interactions with road vehicles (cars, trucks, motorcycles, buses etc.)
- Emergency vehicle interactions
- Swept path incursions
- Interactions with pedestrians
- Interaction with other trams
- Trap and Drag
- Signal fault or failures
- Overhead line obstructions
- Vehicle faults
- Infrastructure faults

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Scope/range related to knowledge and understanding

K1 **Purpose** may include; Initial training, post-incident coaching, accident investigation, staff development, recruitment.

K2* **Different types** may include; full cab, Compact cab, Desktop

K3* **Tools and features** may include;

- Cab controls
- Live session interaction
- Pre-defined lesson plans
- Signal control
- Rail adhesion control
- Smooth and Eco driving performance

K4* **Benefits** may include; training situations which are impractical, difficult, dangerous or expensive to reproduce in a live environment (e.g. emergencies, accidents, malfunctions, unusual situations), to enhance route knowledge, maintain proficiency, post incident assessment, lack of access to vehicles and network.

Limitations may include; lessened fear, stress and risk, technological.

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.

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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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