
Overview

This standard is about removing and transporting upright vehicles (to include light vehicles, light commercial vehicles and motorcycles) from the roadside or an off-road position, in a salvage or end of life situation.

It is also about securing and assessing the site and providing information to, and seeking guidance from, relevant specialist authorities where hazardous substances, including high voltage systems, or situations may be involved.

NB: This standard does not deem someone competent to isolate a high voltage system.

Performance criteria

You must be able to:

P1 wear suitable personal protective equipment throughout all vehicle collection and transportation activities

P2 carry out a daily vehicle check prior to use

P3 maintain, check and use loading and **securing** equipment following manufacturer's recommendations

P4 carry out a risk assessment of the vehicle collection to include:

- P4.1 identification of vehicle type

- P4.2 the existence of any hazardous and potentially hazardous substances

- P4.3 any real and potential fire risks

- P4.4 the prevailing weather conditions

- P4.5 the roadside situation

- P4.6 the need for any specialist assistance

- P4.7 the appropriate type of transporter equipment to use

- P4.8 the best position for the transporter

- P4.9 the best method to load the vehicle

- P4.10 the winch cable route, where required

P5 continue to assess the situation throughout the collection and transportation process

P6 communicate clearly with customer or vehicle owner

P7 promptly contact the relevant authorities when required, providing appropriate clear and accurate information

P8 make justifiable decisions for a course of action based upon the information gained from your initial assessment of the situation

P9 conduct all collection and transportation activities following:

- P9.1 legal requirements

- P9.2 workplace procedures

- P9.3 industry codes of practice

- P9.4 health and safety requirements

- P9.5 operator's licence compliance requirements

- P9.6 the Environment Agency's hazardous waste regulations

P10 promptly report alternative options to your organisation/office for action where the transporter vehicle and equipment prove unsuitable

P11 work in a way which minimises the risk of:

- P11.1 further damage to the vehicle

- P11.2 contact with leakage, hazardous materials/substances or high voltage components

- P11.3 any potential further damage to your working environment

- P11.4 injury to self and others

P12 ensure your initial assessment of the vehicle establishes the nature and extent of any vehicle damage and that it is safe prior to commencing any transportation operation

P13 use transporter equipment which is suitable for the type, condition and weight of casualty vehicle and the nature of the operation

P14 safely operate **winching equipment**

P15 safely load casualty vehicle onto transportation vehicle by using the best method according to risk assessment

P16 maintain the security of vehicle machinery and equipment, ensuring visible safe working load (SWL) or working load limit (WLL) markings

P17 safely transport and unload the casualty vehicle at the relevant destination

P18 ensure all records are accurate and complete and promptly passed to the relevant person(s)

Knowledge and understanding

You need to know and understand:

Legislative and organisational requirements and procedures

- K1 the legal requirements, operator licence, industry codes of practice, environmental requirements and workplace procedures relevant to site protection, collection and transportation of vehicles
- K2 the importance of wearing the appropriate personal protective equipment
- K3 how to carry out an appropriate risk assessment and use this assessment to determine collection and transportation of vehicles
- K4 how to work safely and identify hazards when collecting and transporting vehicles for salvage or recycling
- K5 the range of services and resources available within your organisation
- K6 your organisation's operating, reporting and recording procedures
- K7 the importance of informing the relevant authorities/responsible parties where roadside operations are likely to affect other traffic
- K8 how to complete records accurately and the importance of doing so
- K9 your own role and limits of authority relevant to preparing and loading a vehicle for recovery and dealing with hazardous materials/substances or high voltage systems
- K10 the referral process for dealing with unexpected issues
- K11 the hazards associated with working on or near petrol and alternative fuel vehicle systems and components

Assessing and securing the site

- K12 the difference between a risk assessment and a dynamic risk assessment
- K13 the difference in requirements for securing and protecting all working areas
- K14 the dangers associated with site and roadside operations and how to lessen the risks to yourself, customers and other road users
- K15 the sources of specialist advice and guidance and the circumstances in which to call
- K16 how weather conditions affect the assessment and security of the situation and transporter operations
- K17 how to interpret the results of your initial assessment and make justifiable decisions for a course of action
- K18 how to secure and protect working sites and yourself
- K19 how to use electronic and radio communication methods effectively
- K20 how to communicate with customers and relevant authorities
- K21 how to identify vehicles carrying hazardous substances and the importance of seeking guidance from others when hazardous substances are present
- K22 the possible consequences of inaccurate roadside assessment

Vehicle transporter and equipment *

- K23 the types, purpose and use of relevant vehicle transporter equipment***
- K24 the importance of carrying out a daily check on the transporter vehicle***
- K25 vehicle axle weights and stability and the safe working loads for transporter/recovery equipment and maintain in accordance with manufacturer and LOLER Regulations***

Vehicle transportation

K26 how to make an initial assessment of the extent of vehicle damage and or faults

K27 how to assess the most suitable method for the type of transportation relevant to the type and condition of the casualty vehicle and the location

K28 how to assess the weight of a casualty vehicle, including a load where appropriate

K29 how to use suitable site-to-base communication methods

K30 how to give clear, appropriate and informative instructions to customers

K31 the operation of braking and transmission systems

K32 the principles of loading and load containment

K33 how to prepare and secure vehicles for transportation

K34 how to check for and deal with any vehicle systems, load leakage and care of load if applicable

K35 how to correctly position and load the transporter

K36 how to perform safety checks and fit loading and *transportation equipment for the types of casualty vehicle transported

K37 how to use suitable warning lights

K38 how to avoid further damage to vehicles during load/unload and transportation

Winching techniques

K39 how and why to initiate and maintain effective communication when preparing a **winching operation**

K40 the implications of working at height in relation to routine operator checks and basic maintenance, loading and unloading of vehicles

K41 the principles of winch theory, resistances to winching a casualty and stabilisation of the transporter vehicle

K42 the principles of powered winch operation and the loads to be applied, including the multiplication of forces when pulleys, snatch blocks, strops and anchor points are used

K43 the methods used to change direction of pull or increasing the pull of the winch

K44 the capabilities, limitations and methods of operating the winch on gradients

K45 the function of all operating controls for a winch

K46 the safe working load of all **ancillary equipment** in various configurations**

K47 the points to inspect on the cable and terminal fixings, the range and signs of possible cable damage and the limits to cable wear and tear that are acceptable for winching

Scope/range

1. **Transportation equipment** includes:

- 1.1. transporters
- 1.2. vehicle mounted recovery systems
- 1.3. winches
- 1.4. trailers
- 1.5. spec lifts/support lifts
- 1.6. motorcycle van

2. **Winching operation** includes:

- 2.1. Pre-winching checks
- 2.2. agreeing the signalling system with the winch operator and banksman where applicable
- 2.3. identifying (and calculating) the different resistances to winching when recovering a vehicle

3. **Winching and ancillary equipment** includes:

- 3.1. winch
- 3.2. winch wire
- 3.3. continuous loops
- 3.4. shackles
- 3.5. snatch blocks
- 3.6. chains and brothers
- 3.7. strops
- 3.8. capstan
- 3.9. lighting board for casualty vehicle
- 3.10. skates and dolly wheels

4. **Securing** vehicle for transportation includes:

- 4.1. straps and ratchets
- 4.2. chains and ratchets

Glossary

This section contains examples and explanations of some of the terms used but does not form part of the standard.

Agreed timescales:

A job time set by your company or agreed with a specific customer.

Alternative fuel

This is defined as any type of fuel that may be used to power an internal combustion engine (for example, LPG, bio ethanol etc. and hydrogen fuel cell systems), or electric vehicles, to include:

- Hybrid (HEV) - to include mild/micro hybrid vehicles where the voltage is considered dangerous.
- Plug-in Hybrid (PHEV)
- Extended Range Electric Vehicle (ER-EV) or Range Extended Electric Vehicle (RE-EV)
- Battery Electric Vehicle (BEV) or Pure Electric Vehicle (PEV)
- Fuel Cell Electric Vehicle (FCEV)

Clear and accurate information *

To include the prevailing weather conditions, the location and roadside situation, the nature of the collection and real and potential hazards.

Contact the relevant authorities

When hazardous substances are present, the condition of the vehicle and its removal presents a hazard, where specialist handling may be required or where the loading manoeuvre is likely to obstruct the flow of traffic.

Pre-winch checks

To include deploying the winch cable for a visual inspection, carrying out a practical check on all operating functions of the equipment including safety devices, winch controls and winch security as appropriate

Relevant authorities

To include your organisation

Vehicles*

These are light vehicles, light commercial vehicles and motorcycles, up to 3,500kgs GVM. Additionally, these vehicles may be internal combustion (ICE) or alternative fuel vehicles.

IMIVRC01

Collect and transport casualty vehicles for salvage or recycling



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