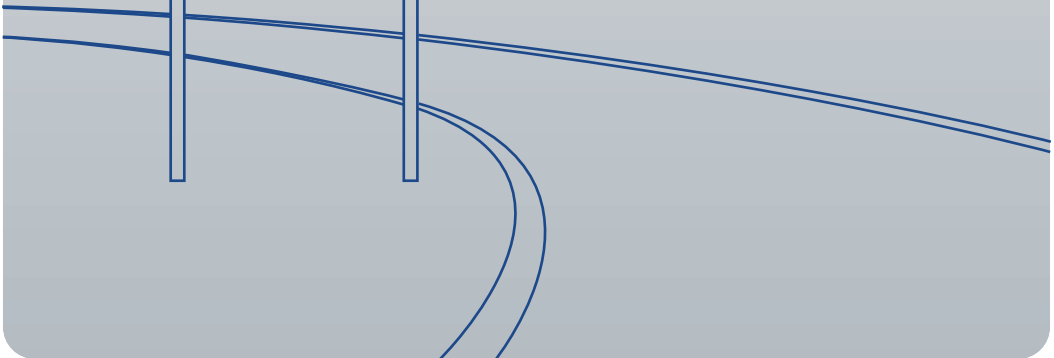
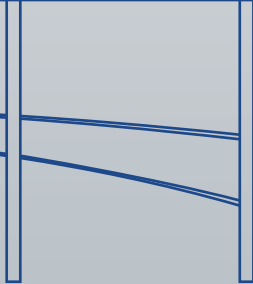


# Direct Vision Standard

From 26th October 2020, ALL goods vehicles over 12 tonnes  
will require a permit to enter London.



# What is

# Direct Vision Standard?

New legislation  
for HGVs over  
**12 tonnes**  
entering London



The Direct Vision Standard (DVS) is the first legislation of its kind. From October 26th 2020, **ALL** goods vehicles over 12 tonnes will require a permit to drive into Greater London, including vehicles from outside of the UK.

A **safety rating**  
based on how much  
the driver can see  
from the cab



Enforced by Transport for London (TfL), the legislation is based on a 'star rating' indicating how much a driver can see from the cab in relation to other road users.

The vehicle manufacturer will issue a star rating for your vehicle. This rating (0-5) is based on how the vehicle left the production line and will not take into account any aftermarket safety systems that have been fitted.

If the vehicle  
does not meet  
DVS star  
rating ☆  
an additional  
Safe System  
is required



HGVs that do not meet the minimum requirement of one star need to comply with the Safe System which requires the installation of extra devices for indirect vision (similar to FORS & CLOCS specifications). Complying with the Safe System will not alter the vehicle's star rating but will permit you to drive into Greater London.

By 2024 DVS minimum star requirements increase to three stars.

A ban on  
poor performing  
**HGVs**  
(0 stars)



Vehicles that do not meet the minimum requirement of one star or those that have not complied with the Safe System will be banned from entering Greater London from 26th October 2020.



The Direct Vision Standard enforcement zone covers all of Greater London.



## How long will the permit last?

The duration of the HGV Safety Permit depends on whether the vehicle meets the minimum DVS requirement or if it was granted subject to the Safe System:

- **The permits of vehicles rated One or Two Stars or those that have qualified on the Safe System will expire at the end of 25 October 2024.**  
From October 2024, these vehicles will need to reapply for a 10 year permit under the progressive Safe System
- **The permits of vehicles rated Three, Four or Five Stars will expire at the end of 25 October 2030 or ten years after the application date if granted later than 26 October 2020 (whichever is the later).**

The progressive Safe System: Requirements will be reviewed in 2022 to take into account any new technology or safety equipment not currently available. If deemed important, these will need to be installed on all 0,1 & 2 Star rated vehicles before re-application.

## Enforcement

The scheme will be implemented by a decriminalised Traffic Regulation Order, meaning a Penalty Charge Notice (PCN) can be issued. Automatic Number Plate Recognition (ANPR) cameras will detect a vehicle which will be checked with TfL's permit database. Operators/hauliers without a permit may be issued a PCN of £550 and £130 for the driver, even if the vehicle is five star rated.

# How to apply

The permit is free of charge and there is no requirement to display anything in the vehicle. To apply for a permit you need to access the TfL online application form.

## 1

All HGVs need a Star rating which can only be obtained by contacting the manufacturer. There is no published list available. The rating (0-5) will be based on how the vehicle left the production line and will not take into account any aftermarket safety systems that have been fitted.

To obtain Star rating you will need the VIN number of the HGV.

For a **0** Star rating:  
Proceed to step 2

For a 1 or 2 Star rating:  
Proceed to step 3 although step 2 is recommended.

For a 3,4 or 5 Star rating:  
Proceed to step 3

## 2

If your vehicle is 0 Star rated, you must comply with the Safe System which requires the fitting of extra devices for indirect vision. Proof of installation must be supplied to TfL when you apply for your permit.

Operators with a 1-2 star rating may want to think about meeting requirements to future proof vehicles. It is also worth noting that if the vehicle is required on certain sites, the FORS and CLOCS specification may be enforced.



## 3

HGVs that are 1-5 Star rated will automatically be eligible for a permit but will still need to apply.

- For vehicles with a Star rating of 1-2, your permit will be valid until 25th October 2024
- For vehicles with a Star rating of 3-5, your permit will be valid until 25th October 2030 or 10 years (which ever is the later)
- Vehicles that have 0 star rating but have complied with the Safe System will be issued with a permit valid until 25th October 2024. Proof of installation must be supplied to TfL with the application.

## How we can help

If you are unsure what your DVS star rating is or whether you comply, Brigade offer a free service to obtain that information for you.

Simply provide us with the following vehicle details; vehicle manufacturer, vehicle type, registration and chassis number and let Brigade take care of the rest.

Visit [brigade-electronics.com](https://brigade-electronics.com) for further details.

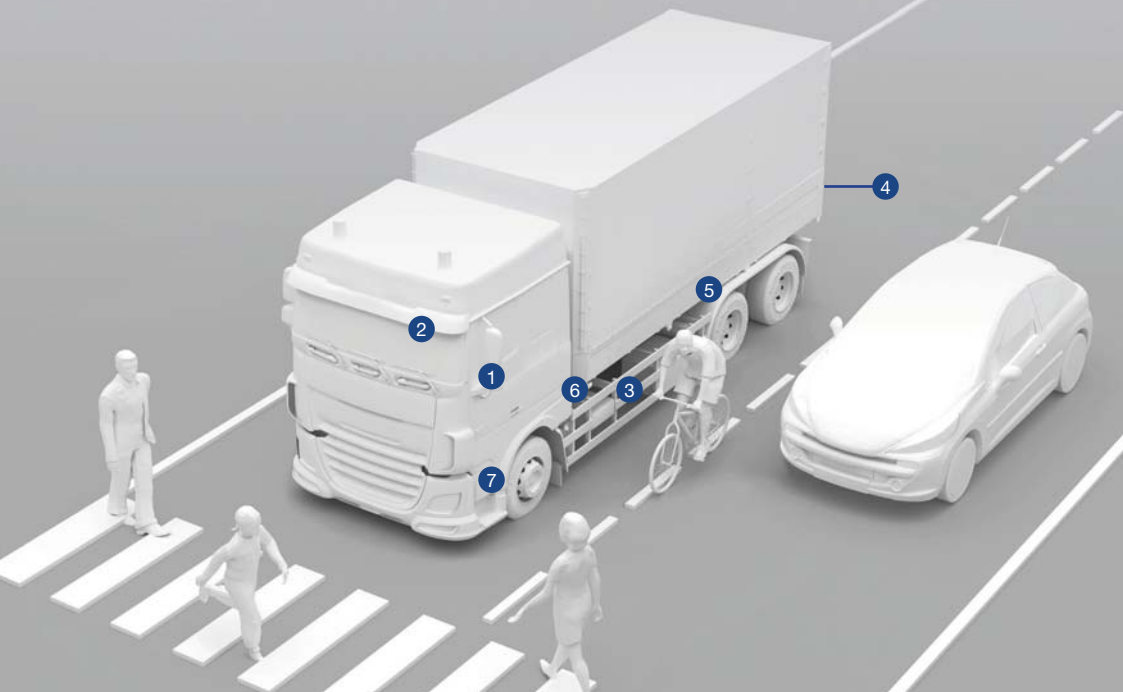
## What to do if

# Your vehicle is zero rated

If your vehicle is 0 Star rated, you must comply with the requirements of the Safe System. This is a series of vehicle safety measures which aim to improve the overall safety of the HGV.

## The following devices are required to comply:

- 1 **Class V mirror** fitted to the nearside of the vehicle
- 2 **Class VI mirror** fitted to the front of the vehicle
- 3 **Side under-run protection** fitted to both sides of the vehicle except where this is impractical or proves to be impossible. See TfL website for exemptions.
- 4 **External pictorial stickers and markings** shall be displayed on vehicles to warn vulnerable road users of the hazards around the vehicle
- 5 **A sensor system** that alerts the driver to the presence of a vulnerable road user fitted to the nearside of the vehicle
- 6 **Audible vehicle manoeuvring warning** to warn vulnerable road users when a vehicle is turning left
- 7 A fully operational **camera monitoring system** fitted to the nearside of the vehicle



# How can Brigade help?

Brigade Electronics has a range of products to help operators meet the requirements of the Safe System for the Direct Vision Standard

## Camera Monitor Systems

*A fully operational camera monitoring system fitted to the nearside of the vehicle*

**VBV-770M Select range 7" Digital LCD Monitor**



**VBV-300C Select range compact, flush-mount side-view camera**

High quality camera monitor systems that offer blind spot coverage at a cost-effective price.



## Ultrasonic Obstacle Detection

*'A sensor system that alerts the driver to the presence of a vulnerable road user fitted to the nearside of the vehicle'*

*Sensors on rigid vehicles should ensure coverage six metres down the nearside or one metre from the rear of the vehicle, whichever is smaller. Sensors should not activate in relation to roadside furniture or stationary vehicles. In the case of tractor units, these should be suitably positioned to provide sufficient coverage, but preventing activation solely on articulation of the trailer.*

**SS-4100W Sidescan® sensor system**

4 sensor system to inform driver of objects within close proximity in the nearside blind spot where cyclists or pedestrians can go undetected. Activated by the left turn indicator.



## Warning Alarms

*'Audible vehicle manoeuvring warning to warn vulnerable road users when a vehicle is turning left'*

**SS-BC-08 Speaking alarm**

Side turn warning for cyclists/ pedestrians. Activates on left turn indication. A combination of White Sound® and real-speech.



## Warning Alarm Recommendations

*'The device should have a manual on/off switch for use between the hours of 11.30pm – 7am'*

**TCO-47-01 Latched Cut-out switch for speaking alarm**

Press to silence alarm. Reset via switch or ignition. Dash mounted.



## Left Hand Drive Vehicles

*'For left hand drive vehicles, mirrors, cameras and sensors should be fitted appropriately to account for the off-side blind spot.'*

*For left hand drive vehicles, the audible vehicle manoeuvring warning shall be fitted to audibly warn vulnerable road users when a vehicle is turning right.'*

# FORS Silver vs DVS

	FORS Silver	DVS
<b>Side Proximity Sensors</b>	<ul style="list-style-type: none"> <li>A close-proximity sensor and audible driver alert system to notify the driver of other road users in the near-side blind spot</li> </ul>	<ul style="list-style-type: none"> <li>A sensor system that alerts the driver to the presence of a vulnerable road user to be fitted to the nearside of the vehicle</li> </ul>
<b>Front Proximity Sensors</b>		<ul style="list-style-type: none"> <li>Additional front sensors with coverage as defined by the UNECE Regulation 46 Class VI mirror coverage zone.</li> </ul>
<b>Left Side Camera</b>	<ul style="list-style-type: none"> <li>A camera system that monitors the near-side vehicle blind spot</li> </ul>	<ul style="list-style-type: none"> <li>A fully operational camera monitoring system shall be fitted to the nearside of the vehicle</li> </ul>
<b>Rear Camera</b>	<ul style="list-style-type: none"> <li>Rigid goods vehicles over 7.5 tonnes gross vehicle weight to be fitted with a camera system that monitors the rear vehicle blind spot.</li> <li>A camera system may also be fitted to the rear of trailers.</li> </ul>	
<b>Front Camera</b>	<ul style="list-style-type: none"> <li>Camera systems should also monitor front blind spot</li> </ul>	
<b>Right Side Camera</b>	<ul style="list-style-type: none"> <li>Camera systems should also monitor off-side blind spot</li> </ul>	
<b>Mobile Recording</b>	<ul style="list-style-type: none"> <li>Camera systems should also be able to digitally record incidents and assist in driver training and development</li> </ul>	
<b>Left-turn external audible warning</b>	<ul style="list-style-type: none"> <li>Audible vehicle manoeuvring warning to warn vulnerable road users when a vehicle is turning left</li> <li>Should be fitted with a manual switch to mute the sound when required, such as operating between 23:30 and 07:00 in urban areas.</li> <li>May be supplemented with a visual warning to vulnerable road users.</li> </ul>	<ul style="list-style-type: none"> <li>Audible vehicle manoeuvring warning to warn vulnerable road users when a vehicle is turning left</li> <li>The device should have a manual on/off switch for use between the hours of 23:30 and 07:00.</li> <li>Should consider a system that combines spoken warnings and white noise.</li> </ul>
<b>Reversing alarm</b>	<ul style="list-style-type: none"> <li>Rear warning alarm activated when reverse gear is engaged.</li> <li>Should be fitted with a manual switch to mute the sound when required, such as operating between 23:30 and 07:00 in urban areas.</li> </ul>	

 Compulsory

 Recommended

 Optional

 Not Specified



## Service Partners

Brigade Service Partners (BSP) are a nationwide network of carefully chosen partners who supply product, installation service and support to Brigade customers.

Whether you have a large fleet or operate vehicles at multiple sites throughout the UK, the BSP network can support your needs. BSPs also provide support for back to base, onsite and warranty work.

The BSPs are chosen for their highest standards of technical knowledge, installation capabilities and customer service. In addition, they are experts in their field with a wealth of knowledge of the industry.

BSPs are required to provide evidence of compliance to work in partnership with Brigade and receive ongoing training and monitoring.

To find your nearest BSP, visit [brigade-electronics.com/where-to-buy](http://brigade-electronics.com/where-to-buy)

## About us:

Brigade Electronics is a market leader of safety devices, with solutions to suit all commercial vehicles and mobile plant.

Brigade's complementary range of safety devices help prevent collisions by assisting the driver whilst protecting workers, pedestrians and cyclists.

**Please visit our website for more information, individual specifications and to view our full range of safety solutions.**

[brigade-electronics.com](http://brigade-electronics.com)

