

Correct as at 5th June 2026. It may be superseded at any time.

Extract taken from: Entry certification > Inspection and certification > Lighting

## 4 Lighting

### Introduction

For all types of lamps covered in section 4, as at 19 December 2003, the following brand names of manufacturers of lights fitted as original equipment (OE) at the time of manufacture to Japanese domestic vehicles are recognised as meeting the relevant Japanese technical standards (TS):

|   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>• Aoki Seisakusyo Co Ltd</li> </ul>            | <ul style="list-style-type: none"> <li>• IKI</li> </ul>                        | <ul style="list-style-type: none"> <li>• Oshima Electric Words Co Ltd (OEW)</li> </ul>   |
| <ul style="list-style-type: none"> <li>• Bosch K.K.</li> </ul>                        | <ul style="list-style-type: none"> <li>• Iwaki Glass Co Ltd</li> </ul>         | <ul style="list-style-type: none"> <li>• Stanley Electric Co Ltd</li> </ul>              |
| <ul style="list-style-type: none"> <li>• Cateye Co Ltd</li> </ul>                     | <ul style="list-style-type: none"> <li>• Joto Kogyo Co Ltd</li> </ul>          | <ul style="list-style-type: none"> <li>• SYS Metal Product Corp</li> </ul>               |
| <ul style="list-style-type: none"> <li>• Ichikoh Industries Ltd</li> </ul>            | <ul style="list-style-type: none"> <li>• Knight Beam Co Ltd</li> </ul>         | <ul style="list-style-type: none"> <li>• Tokai Denso Co Ltd</li> </ul>                   |
| <ul style="list-style-type: none"> <li>• Imasen Electric Industrial Co Ltd</li> </ul> | <ul style="list-style-type: none"> <li>• Koito Manufacturing Co Ltd</li> </ul> | <ul style="list-style-type: none"> <li>• Toshiba Lighting and Technology Corp</li> </ul> |
| <ul style="list-style-type: none"> <li>• IPF Corporation</li> </ul>                   | <ul style="list-style-type: none"> <li>• Life Elex Inc</li> </ul>              | <ul style="list-style-type: none"> <li>• Totyo Industry Co Ltd</li> </ul>                |

All the lighting components must meet approved standards listed in Table 4-0-1.

The lighting installation standards, listed in Table 4-0-2, set out the lighting requirements for the vehicle as a whole. All the lighting components must meet approved standards. All vehicles manufactured on or after 27 February 2005 must meet one of these approved installation standards (or a more recent version). See also Figure 4-0-1.

OR

All the fitting requirements in the following sections of the [Land Transport Rule: Vehicle Lighting 2004](#):

- Section 3.3 (headlamps)
- Section 4.3 (stop lamps)
- Section 5.3 (high-mounted stop lamps)
- Section 6.3 (direction indicator lamps)
- Section 7.3 (forward-facing position lamps)
- Section 7.4 (rearward-facing position lamps)

- Section 7.5 (side-marker lamps)
- Section 7.6 (end-outline marker lamps)
- Section 8.3 (registration plate illumination lamps)
- Section 9.3 (retroreflectors and retroreflective material)

These sections specify the fitting and visibility requirements for these lamps. This information is in the [VIRM: In-service certification](#)

If a vehicle is fitted with OE lights that exceed the amount permitted in the [Land Transport Rule: Vehicle Lighting 2004](#), it may be certified if it was manufactured to comply with an approved installation standard.

Historic or Vintage vehicles that require a lighting endorsement for Entry requires the vehicle to have a valid Vehicle Identity Card before the vehicle can be accepted. The Historic Motor Vehicle Authority won't issue a Vehicle Identity Card until the vehicle is registered.

However, the Historic Vehicle Authority of New Zealand will issue a Historic Motor Vehicle Date of Manufacture and Authenticity Statement (DOMAS). This document identifies the vehicle and endorsements.

The DOMAS document can be used to satisfy the Vehicle Identity Card requirement for entry lighting endorsements provided that:

- a) It is on the Historic Vehicle Authority of New Zealand letterhead
- b) It identifies the vehicle
- c) It identifies the appropriate lighting equipment endorsements that will be displayed on the Vehicle Identity Card when issued, and
- d) It is signed and dated.

#### **Table 4-0-1. List of approved standards for lighting and signalling components**

New UN/ECE Regulations 148, 149, 150 have been introduced for lighting standards, which amend and replace or incorporate a number of the older Regulations.

While the [Land Transport Rule: Vehicle Lighting 2004](#) is yet to be updated, these new Regulations are accepted by NZTA as alternatives (Note 1) to many UN/ECE Regulations below (such as 4, 6, 7) which are currently incorporated in the Rule.

|                               | <b>UN-ECE<br/>Regulation no.</b>                             | <b>EEC/EC<br/>Directive</b> | <b>FMVSS</b> | <b>ADR</b>           | <b>Japan</b>   |
|-------------------------------|--|-----------------------------|--------------|----------------------|--|
| Headlamps                     | 1 31 82<br>5 56 98<br>8 57 112<br>20 72 113<br>76 123<br>149 | 76/761<br>89/517<br>99/17   | 108          | 46<br>54<br>55<br>77 | JIS D5500<br>JIS D5504<br>TS for headlamps<br>Article 32   |
| Front fog lamps               | 19<br>149  | 76/762<br>99/18             | 108          | 50                   | JIS D5500<br>TS for front fog lamps<br>Article 33  |
| Daytime running lamps         | 87<br>148  |                             | 108          | 45<br>76             |  |
| Forward-facing position lamps | 7<br>50<br>148   | 76/758<br>89/516<br>97/30   | 108          | 49<br>53             | TS for clearance lamps<br>TS for front end-outline marker lamps<br>TS for front and rear position lamps<br>JIS D5500<br>Article 34 |

|                                    | UN-ECE<br>Regulation no. | EEC/EC<br>Directive       | FMVSS | ADR          | Japan  |
|------------------------------------|--------------------------|---------------------------|-------|--------------|--|
| Rearward-facing<br>position lamps  | 7<br>50<br>148           | 76/758<br>89/516<br>97/30 | 108   | 49<br>53     | TS for front and rear<br>position lamps<br><br>TS for tail lamps<br><br>TS for rear end-outline<br>marker lamps<br><br>JIS D5500<br><br>Article 34 |
| Rearward-facing<br>retroreflectors | 3<br>150                 | 76/757<br>87/354<br>97/29 | 108   | 47           | TS for rear reflex<br>reflectors<br><br>TS for large-sized rear<br>reflex reflectors<br><br>JIS D5500<br><br>Article 38                            |
| Direction indicator<br>lamps       | 6<br>50<br>148           | 76/759<br>89/277<br>99/15 | 108   | 6<br>53      | TS for direction indicator<br>lamps<br><br>JIS D5500<br><br>Article 41   |
| Stop lamps                         | 7<br>50<br>148           | 76/758<br>89/516<br>97/30 | 108   | 49<br>53     | TS for stop lamps<br><br>JIS D5500<br><br>Article 39   |
| High-mounted stop<br>lamps         | 7<br>148                 | 76/758<br>89/516<br>97/30 | 108   | 60, or<br>49 | TS for auxiliary stop<br>lamps<br><br>JIS D5500<br><br>Article 39  |

|                             | UN-ECE<br>Regulation no. | EEC/EC<br>Directive               | FMVSS | ADR          | Japan  |
|-----------------------------|--------------------------|-----------------------------------|-------|--------------|--|
| Registration plate<br>lamps | 4<br><br>50<br><br>148   | 76/760<br><br>97/31               | 108   | 48<br><br>53 | TS for number plate<br>lamps<br><br>JIS D5500<br><br>Article 36  |
| Reversing lamps             | 23<br><br>148            | 77/539<br><br>97/32               | 108   | 1            | TS for back-up lamps<br><br>JIS D5500<br><br>Article 40  |
| Rear fog lamps              | 38<br><br>148            | 77/538                            | 108   | 52           | JIS D5500<br><br>TS for rear fog lamps<br><br>Article 37   |
| Retroreflective material    | 104<br><br>150           |                                   | 108   |              |  |
| Side-marker lamps           | 91<br><br>148            | 76/758<br><br>89/516<br><br>97/30 | 108   | 45<br><br>74 | JIS D5500<br><br>TS for side-marker lamps<br><br>Article 35  |
| End-outline marker<br>lamps | 7<br><br>148             | 76/758<br><br>89/516<br><br>97/30 | 108   | 49           | JIS D5500<br><br>TS for front end-outline<br>marker lamps<br><br>TS for rear end-outline<br>marker lamps<br><br>Article 37 |

**Note:** if a scratch-built or replica vehicle is presented for entry certification, ensure that the F001 includes a reference to the relevant lighting standards.

**Note 1**

New UN/ECE regulations can be accepted as alternatives to a number of older Regulations.

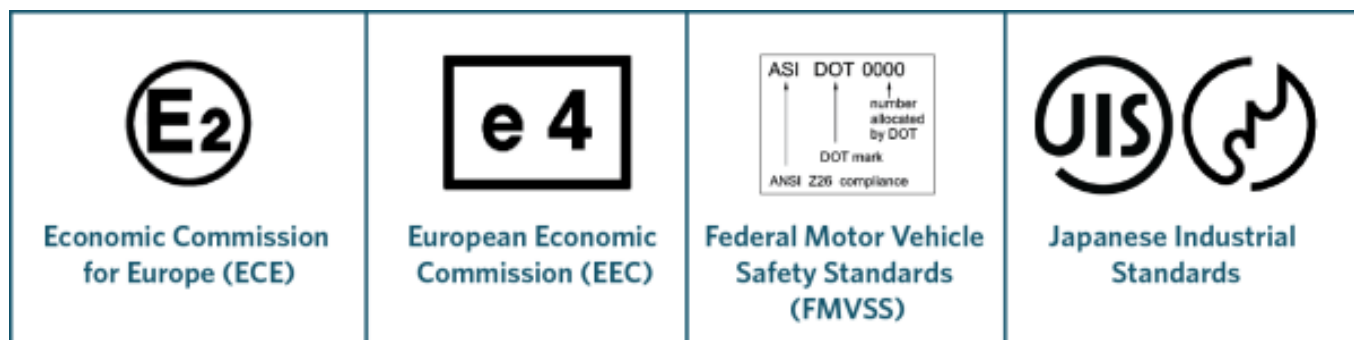
The new regulations are the outcome of the World Forum for Harmonization of Vehicle Regulations (WP.29) decision to simplify the lighting and light-signalling Regulations based on the initial proposal by the European Union and Japan.

| <b>New UN/ECE Regulation</b> | <b>Combines previous UN Regulations</b> | <b>Uniform provisions concerning</b>  |
|------------------------------|---|---|
| <b>148</b>                   | 4, 6, 7, 23, 38, 50, 77, 87 and 91      | The approval of light-signalling devices (lamps) for power-driven vehicles and their trailers.      |
| <b>149</b>                   | 19, 98, 112, 113, 119 and 123           | The approval of road illumination devices (lamps) and systems for power-driven vehicles.            |
| <b>150</b>                   | 3, 27, 69, 70 and 104                   | The approval of retro-reflective devices and markings for power-driven vehicles and their trailers. |

**Table 4-0-2. Approved standards for installation of lighting and signalling**

|                                    | <b>UN-ECE Regulation no</b> | <b>EEC/EC Directive</b> | <b>FMVSS</b> | <b>ADR</b> | <b>Japan</b>  |
|------------------------------------|-----------------------------|-------------------------|--------------|------------|---|
| Installation of lighting equipment | 48 74                       | 76/756 93/92            | 108          | 13         | Safety Regulations for Road Vehicles, chapter II<br><br>Article 32–42<br><br>Technical Standard (TS)<br>Attachment 52 |
|                                    | 53 86                       | 80/233<br>82/244        |              | 19         |   |
|                                    |                             | 83/276 84/8             |              |            |   |
|                                    |                             | 89/278<br>91/663        |              |            |   |
|                                    |                             | 97/28<br>2000/73        |              |            |   |
|                                    |                             | 78/933<br>2007/35       |              |            |   |
|                                    |                             | 2008/89                 |              |            |   |
|                                    |                             |                         |              |            |   |
|                                    |                             |                         |              |            |   |
|                                    |                             |                         |              |            |   |

Figure 4-0-1. Approved lighting and signalling standards markings



Page amended 10 December 2023 (see [amendment details](#)).

## 4-1 Headlamps

### Reasons for rejection

#### Mandatory equipment

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in the [VIRM: In-service certification, section 4-1](#)

#### Compliance with approved standards

2. A headlamp that is required to comply with an approved headlamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-1-1

#### Condition and performance

3. A headlamp does not comply with a requirement relating to condition or performance set out in the [VIRM: In-service certification, section 4-1](#)

**Table 4-1-1**


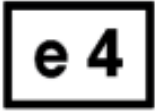
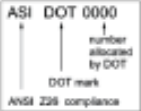



| UN-ECE Regulation no. |     | EEC/EC Directive | FMVSS | ADR | Japan            |
|-----------------------|-----|------------------|-------|-----|------------------|
| 1                     | 72  | 76/761           | 108   | 46  | JIS D5500        |
| 5                     | 76  | 89/517           |       | 54  | JIS D5504        |
| 8                     | 82  | 99/17            |       | 55  | TS for headlamps |
| 20                    | 98  |                  |       | 77  | Article 32       |
| 31                    | 112 |                  |       |     |                  |
| 56                    | 113 |                  |       |     |                  |
| 57                    | 123 |                  |       |     |                  |

\* A headlamp that is required to comply with an approved headlamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-1-1

**Figure 4-1-1. Approved headlamp standard markings**

The following standard markings may assist in determining compliance with approved standards.

|   |   |   |  |  |
|---|---|---|--|--|
| <br>Economic Commission for Europe (ECE)   | <br>European Economic Commission (EEC) | <br>Federal Motor Vehicle Safety Standards (FMVSS) | <br>Japanese Technical Standards | <br>Japanese Industrial Standards |
|    |   |   |  |  |
| <p>Models of Wagner 7" sealed beam headlamps marked with the following logo and bearing the part numbers 4651, H4651, 5731, or 7019 on the back of the reflective surface comply with approved standards.</p> |   |   |  |  |

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### **Mandatory equipment**

1. Vehicles must comply with the requirements relating to mandatory equipment set out in the [VIRM: In-service certification, section 4-1](#)

### **Compliance with approved standards**

2. The headlamps required to be fitted to the following vehicles must comply with one or more of the approved headlamp standards in Table 4-1-1:

- a) vehicles of class MA and NA manufactured on or after 1 January 1992
- b) vehicles of class MB, MC, MD1, MD2, MD3, MD4, ME, NB and NC manufactured on or after 1 January 1996
- c) vehicles of group L manufactured on or after 1 January 2006.

### **Condition and performance**

3. Headlamps must comply with the requirements relating to condition and performance set out in the [VIRM: In-service certification, section 4-1](#)

## **4-2 Front and rear fog lamps**

### **Reasons for rejection**

#### **Permitted equipment**

1. A vehicle does not comply with a requirement relating to permitted equipment set out in the [VIRM: In-service certification, section 4-2](#)

#### **Compliance with approved standards**

2. A front fog lamp that is required to comply with an approved fog lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-2-1

3. A rear fog lamp that is required to comply with an approved fog lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-2-2

#### **Condition and performance**

4. A front fog lamp does not comply with a requirement relating to condition or performance set out in the [VIRM: In-service certification, section 4-2](#)

5. A rear fog lamp does not comply with a requirement relating to condition or performance set out in the [VIRM: In-service certification, section 4-2](#)

**Table 4-2-1. Approved front fog lamp standards\***

| <b>UN-ECE Regulation no.</b> | <b>EEC/EC Directive</b> | <b>FMVSS</b> | <b>ADR</b> | <b>Japan</b>  |
|------------------------------|-------------------------|--------------|------------|---|
| 19                           | 76/762<br>99/18         | 108          | 50         | JIS D5500<br><br>TS for front fog lamps<br><br>Article 33 |

\* A fog lamp that is required to comply with an approved fog lamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-2-1

**Table 4-2-2. Approved rear fog lamp standards\***

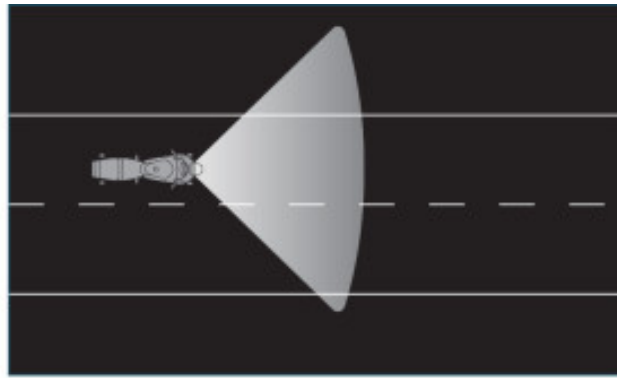
| <b>UN-ECE Regulation no.</b> | <b>EEC/EC Directive</b>     | <b>FMVSS</b> | <b>ADR</b> | <b>Japan</b>   |
|------------------------------|-----------------------------|--------------|------------|--|
| 38                           | 77/538<br>89/518<br>1999/14 | 108          | 52         | JIS D5500<br><br>TS for rear fog lamps<br><br>Article 37 |

\* A fog lamp that is required to comply with an approved fog lamp standard must comply with at least one of the standards listed in the table.

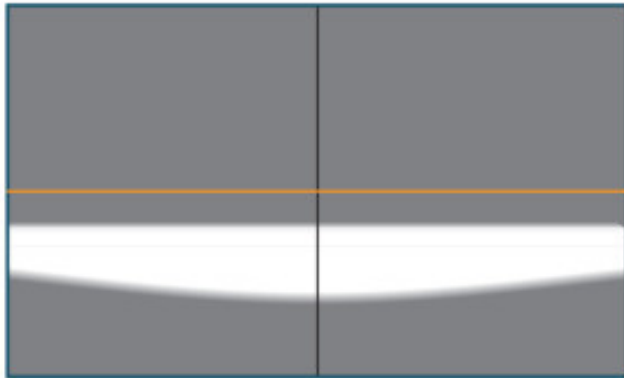
See also Figure 4-2-1

**Figure 4-2-1. Approved fog lamp standard markings**

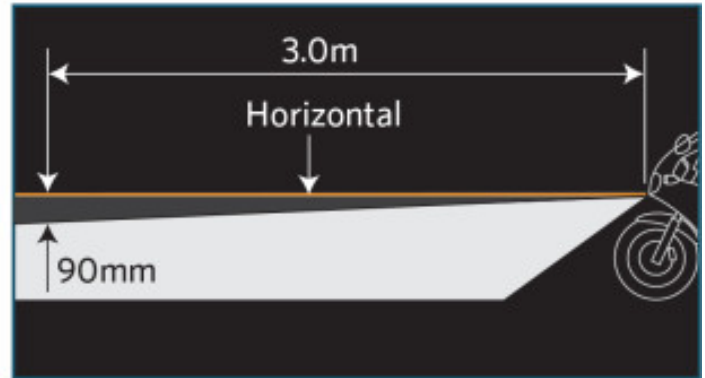
The following standard markings may assist in determining compliance with approved standards.



(a) Pattern on the road



(b) Pattern on light board



(c) Beam dip angle

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Permitted equipment

1. Vehicles must comply with the requirements relating to permitted equipment set out in the [VIRM: In-service certification, section 4-2](#)

### Compliance with approved standards

2. Front fog lamps fitted to the following vehicles must comply with one or more of the approved fog lamp standards in Table 4-2-1:

- a) vehicles of group M and N manufactured on or after 1 January 1996
- b) vehicles of group L manufactured on or after 1 January 2006.

3. Rear fog lamps fitted to vehicles manufactured on or after 1 January 2006 must comply with one or more of the approved standards in Table 4-2-2

### Condition and performance

4. Front fog lamps must comply with the requirements relating to condition and performance set out in the [VIRM: In-service certification, section 4-2](#)

5. Rear fog lamps must comply with the requirements relating to condition and performance set out in the [VIRM: In-service certification, section 4-2](#)

## 4-3 Cornering lamps

### Reasons for rejection

#### Permitted equipment

1. A vehicle does not comply with a requirement relating to permitted equipment set out in the [VIRM: In-service certification, section 4-3](#)

#### Condition and performance

2. A cornering lamp does not comply with a requirement relating to condition or performance set out in the [VIRM: In-service certification, section 4-3](#)

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

#### Permitted equipment

1. Vehicles must comply with the requirements relating to permitted equipment set out in the [VIRM: In-service certification, section 4-3](#)

#### Condition and performance

2. Cornering lamps must comply with the requirements relating to condition and performance set out in the [VIRM: In-service certification, section 4-3](#)

## 4-4 Daytime running lamps

### Reasons for rejection

#### Permitted equipment

1. A vehicle does not comply with a requirement relating to permitted equipment set out in the [VIRM: In-service certification, section 4-4](#)

### Compliance with approved standards

2. A daytime running lamp that is required to comply with an approved daytime running lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-4-1

### Condition and performance

3. A daytime running lamp does not comply with a requirement relating to condition or performance set out in the [VIRM: In-service certification, section 4-4](#)

**Table 4-4-1. Approved daytime running lamp standards\***

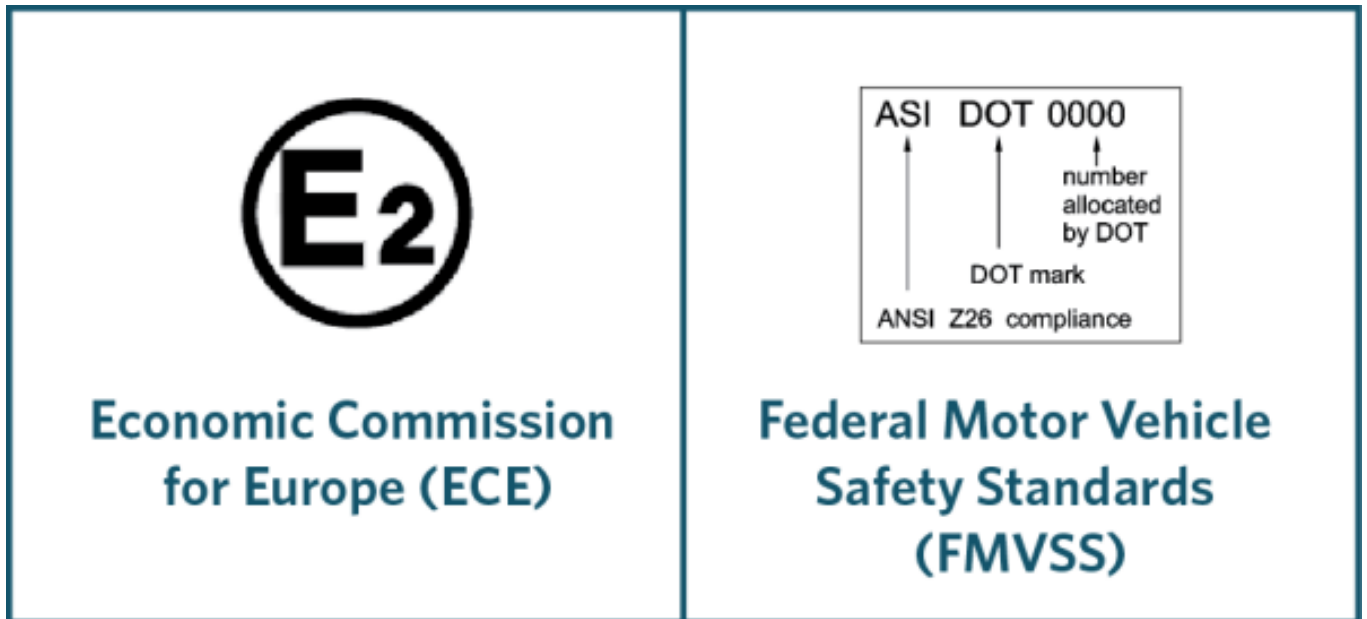
| UN-ECE Regulation no. | FMVSS | ADR    |
|-----------------------|-------|--------|
| 87                    | 108   | 45, 76 |

\* A daytime running lamp that is required to comply with an approved daytime running lamp standard must comply with at least one of the standards listed in the table.

See also figure 4-4-1 and Figure 4-4-2

The following standard markings may assist in determining compliance with approved standards.

**Figure 4-4-1. Approved daytime running lamp standard markings**



**Figure 4-4-2. Marks on daytime running lamps that indicate the lamp is exempt from**

# TALMU ARK- HV01 001Va VD002 Made in Finland

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Permitted equipment

1. Vehicles must comply with the requirements relating to permitted equipment set out in the [VIRM: In-service certification, section 4-4](#)

### Compliance with approved standards

2. Daytime running lamps fitted to the following vehicles must comply with one or more of the approved daytime running lamp standards in Table 4-4-1:

- a) vehicles of group M and N manufactured on or after 1 January 1996
- b) vehicles of group L manufactured on or after 1 January 2006.

### Condition and performance

3. Daytime running lamps must comply with the requirements relating to condition and performance set out in the [VIRM: In-service certification, section 4-4](#)

## 4-5 Direction indicator lamps

### Reasons for rejection

#### Mandatory equipment

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-5, general vehicles](#)
- [VIRM: In-service certification, section 4-5, heavy vehicles](#)

#### Compliance with approved standards

2. A direction indicator lamp that is required to comply with an approved direction indicator lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-5-1

#### Condition and performance

3. A direction indicator lamp does not comply with a requirement relating to condition or performance set out in:

- [VIRM: In-service certification, section 4-5, general vehicles](#)
- [VIRM: In-service certification, section 4-5, heavy vehicles](#)

**Table 4-5-1. Approved direction indicator lamp standards\***

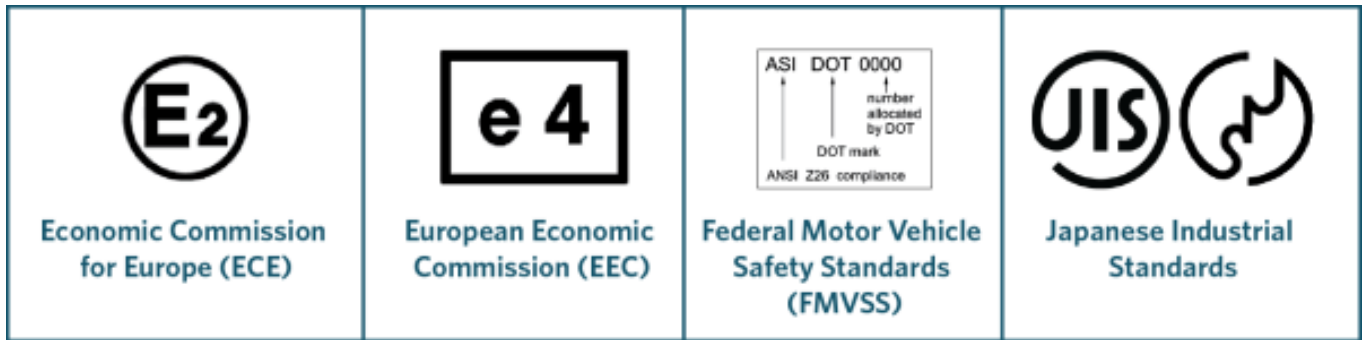
| UN-ECE Regulation no. | EEC/EC Directive | FMVSS | ADR | Japan                            |
|-----------------------|------------------|-------|-----|----------------------------------|
| 6                     | 76/759           | 108   | 6   | JIS D5500                        |
| 50                    | 89/277           |       | 53  | TS for direction indicator lamps |
|                       | 99/15            |       |     | Article 41                       |

\* A direction indicator lamp that is required to comply with an approved direction indicator lamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-5-1

**Figure 4-5-1. Approved direction indicator lamp standard markings**

The following standard markings may assist in determining compliance with approved standards.



## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Mandatory equipment

1. Vehicles must comply with the requirements relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-5, general vehicles](#)
- [VIRM: In-service certification, section 4-5, heavy vehicles](#)

### Compliance with approved standards

2. The direction indicator lamps fitted to the following vehicles must comply with one or more of the approved direction indicator lamp standards in Table 4-5-1:

- a) vehicles of group L, M, and class TC and TD manufactured on or after 1 January 1996
- b) vehicles of class TA, TB and group N manufactured on or after 1 January 2006.

### Condition and performance

3. Direction indicator lamps must comply with the requirements relating to condition and performance set out in:

- [VIRM: In-service certification, section 4-5, general vehicles](#)
- [VIRM: In-service certification, section 4-5, heavy vehicles.](#)

## 4-6 Forward-facing position lamps

### Reasons for rejection

#### Mandatory equipment

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-6, general vehicles](#)
- [VIRM: In-service certification, section 4-6, heavy vehicles](#)

**Compliance with approved standards**

2. A forward-facing position lamp that is required to comply with an approved forward-facing position lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-6-1

**Condition and performance**

3. A forward-facing position lamp does not comply with a requirement relating to condition or performance set out in:

- [VIRM: In-service certification, section 4-6, general vehicles](#)
- [VIRM: In-service certification, section 4-6, heavy vehicles](#)

**Table 4-6-1. Approved forward-facing position lamp standards\***

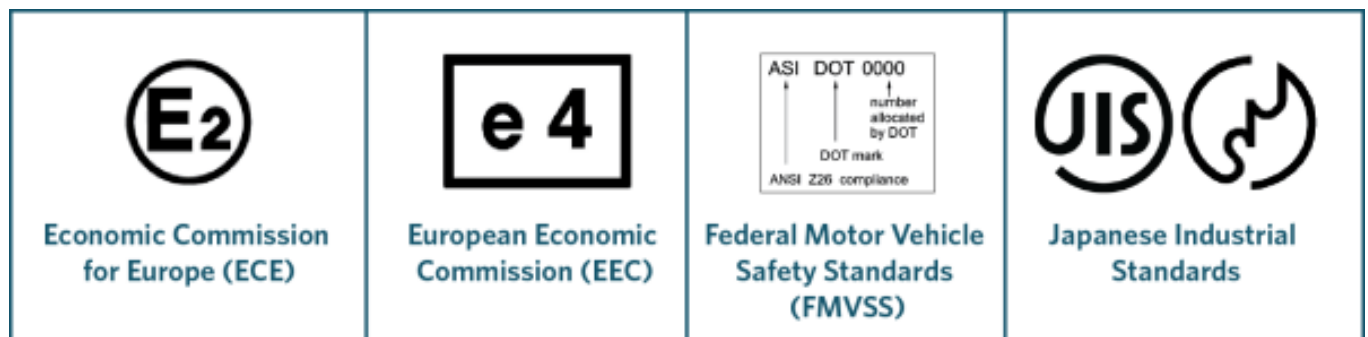
| UN-ECE Regulation no. | EEC/EC Directive | FMVSS | ADR | Japan  |
|-----------------------|------------------|-------|-----|--|
| 7                     | 76/758           | 108   | 49  | TS for clearance lamps   |
| 50                    | 89/516<br>97/30  |       | 53  | TS for front end-outline marker lamps<br>TS for front and rear position lamps<br>JIS D5500<br>Article 34 |

\* A forward-facing position lamp that is required to comply with an approved forward-facing position lamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-6-1

**Figure 4-6-1. Approved forward-facing position lamp standard markings**

The following standard markings may assist in determining compliance with approved standards.



# Summary of legislation

## Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

## Mandatory equipment

1. Vehicles must comply with the requirements relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-6, general vehicles](#)
- [VIRM: In-service certification, section 4-6, heavy vehicles](#)

## Compliance with approved standards

2. The forward-facing position lamps fitted to the following vehicles must comply with one or more of the approved forward-facing position lamp standards in Table 4-6-1:

- a) vehicles of class MA and NA manufactured on or after 1 January 1992
- b) vehicles of class MB, MC, MD1, MD2, MD3, MD4, ME, NB, NC, TC and TD manufactured on or after 1 January 1996
- c) vehicles of class TA, TB and group L manufactured on or after 1 January 2006.

## Condition and performance

3. Forward-facing position lamps must comply with the requirements relating to condition and performance set out in:

- [VIRM: In-service certification, section 4-6, general vehicles](#)
- [VIRM: In-service certification, section 4-6, heavy vehicles](#)

## 4-7 Rearward-facing position lamps

### Reasons for rejection

#### Mandatory equipment

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-7, general vehicles](#)
- [VIRM: In-service certification, section 4-7, heavy vehicles](#)

#### Compliance with approved standards

2. A rearward-facing position lamp that is required to comply with an approved rearward-facing position lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-7-1

#### Condition and performance

3. A rearward-facing position lamp does not comply with a requirement relating to condition or performance set out in:

- [VIRM: In-service certification, section 4-7, general vehicles](#)
- [VIRM: In-service certification, section 4-7, heavy vehicles](#)

**Table 4-7-1. Approved rearward-facing position lamp standards\***

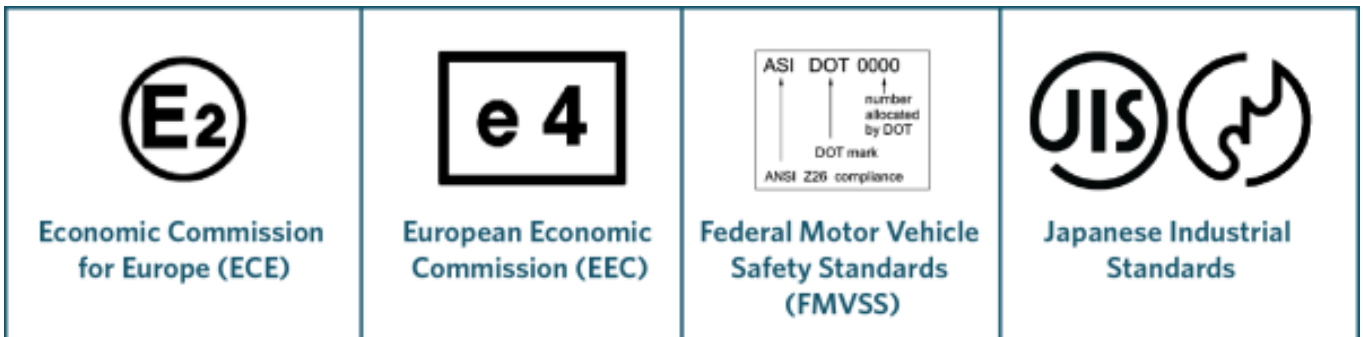
| UN-ECE Regulation no. | EEC/EC Directive | FMVSS | ADR | Japan                                |
|-----------------------|------------------|-------|-----|--------------------------------------|
| 7                     | 76/758           | 108   | 49  | TS for front and rear position lamps |
| 50                    | 89/516           |       | 53  | TS for tail lamps                    |
|                       | 97/30            |       |     | TS for rear end-outline marker lamps |
|                       |                  |       |     | JIS D5500                            |
|                       |                  |       |     | Article 34                           |

\* A rearward-facing position lamp that is required to comply with an approved rearward-facing position lamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-7-1

**Figure 4-7-1. Approved rearward-facing position lamp standard markings**

The following standard markings may assist in determining compliance with approved standards.



## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Mandatory equipment

1. Vehicles must comply with the requirements relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-7, general vehicles](#)
- [VIRM: In-service certification, section 4-7, heavy vehicles](#)

### Compliance with approved standards

2. The rearward-facing position lamps fitted to the following vehicles must comply with one or more of the approved rearward-facing position lamp standards in Table 4-7-1:

- a) vehicles of class MA and NA manufactured on or after 1 January 1992
- b) vehicles of class MB, MC, MD1, MD2, MD3, MD4, ME, NB, NC, TC and TD manufactured on or after 1 January 1996
- c) vehicles of class TA, TB and group L manufactured on or after 1 January 2006.

### Condition and performance

3. Rearward-facing position lamps must comply with the requirements relating to condition and performance set out in:

- [VIRM: In-service certification, section 4-7, general vehicles](#)
- [VIRM: In-service certification, section 4-7, heavy vehicles](#)

## 4-8 Side-marker lamps (heavy vehicles)

### Reasons for rejection

#### Mandatory requirements

1. A vehicle does not comply with a requirement relating to permitted equipment set out in the [VIRM: In-service certification, section 4-8](#)

#### Compliance with approved standards

2. A side-marker lamp that is required to comply with an approved side-marker lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-8-1

#### Condition and performance

3. A side-marker lamp does not comply with a requirement relating to condition and performance set out in the [VIRM: In-service certification, section 4-8](#)

**Table 4-8-1. Approved side-marker lamp standards\***

| UN-ECE Regulation no. | EEC/EC Directive | FMVSS | ADR          | Japan                                 |
|-----------------------|------------------|-------|--------------|---------------------------------------|
| 91                    | 76/758           | 108   | 45 or,<br>74 | JIS D5500<br>TS for side-marker lamps |

\* A side-marker lamp that is required to comply with an approved side-marker standard must comply with at least one of the standards listed in the table.

# Summary of legislation

## Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

## Permitted equipment

1. Vehicles must comply with the requirements relating to permitted equipment set out in the [VIRM: In-service certification, section 4-8](#).

## Compliance with approved standards

2. Side-marker lamps fitted to the following vehicles must comply with one or more of the approved end-outline marker standards in Table 4-8-1:

- vehicles of Class MD3, MD4, ME, NB, NC, TC and TD manufactured on or after 1 January 2006.

## Condition and performance

3. Side-marker lamps must comply with the requirements relating to condition and performance set out in the [VIRM: In-service certification, section 4-8](#).

## 4-9 End-outline marker lamps (heavy vehicles)

### Reasons for rejection

#### Mandatory requirements

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in the [VIRM: In-service certification, section 4-9](#)

#### Compliance with approved standards

2. An end-outline marker lamp that is required to comply with an approved end-outline marker lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-9-1

#### Condition and performance

3. An end-outline marker lamp does not comply with a requirement relating to condition or performance set out in the [VIRM: In-service certification, section 4-9](#)

**Table 4-9-1. Approved end-outline marker lamp standards\***

| UN-ECE Regulation no. | EEC/EC Directive | FMVSS | ADR | Japan  |
|-----------------------|------------------|-------|-----|--|
| 7                     | 76/758           | 108   | 49  | JIS D5500<br>TS for front end outline marker lamps<br>TS for rear end outline marker lamps |

\* An end-outline marker lamp that is required to comply with an approved end-outline marker standard must comply with at least one of the standards listed in the table.

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Mandatory, permitted and prohibited equipment

1. Vehicles must comply with the requirements relating to mandatory, permitted and prohibited equipment set out in the [VIRM: In-service certification, section 4-9](#).

### Compliance with approved standards

2. End-outline marker lamps fitted to the following vehicles must comply with one or more of the approved end-outline marker standards in Table 4-9-1:

- vehicles of class MD3, MD4, ME, NB NC, TC and TD manufactured on or after 1 January 2006.

### Condition and performance

3. End-outline marker lamps must comply with the requirements relating to condition and performance set out in the [VIRM: In-service certification, section 4-9](#)

## 4-10 Stop lamps

## Reasons for rejection

### Mandatory equipment

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-10, general vehicles](#)
- [VIRM: In-service certification, section 4-10, heavy vehicles](#)

### Compliance with approved standards

2. A stop lamp that is required to comply with an approved stop lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-10-1

### Condition and performance

3. A stop lamp does not comply with a requirement relating to condition or performance set out in:

- [VIRM: In-service certification, section 4-10, general vehicles](#)
- [VIRM: In-service certification, section 4-10, heavy vehicles](#)

**Table 4-10-1. Approved stop lamp standards\***

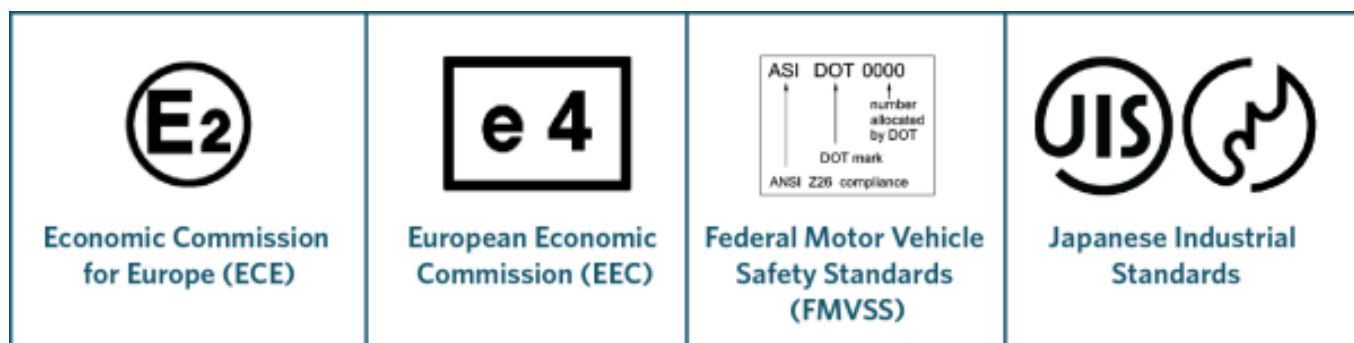
| UN-ECE Regulation no. | EEC/EC Directive | FMVSS | ADR | Japan             |
|-----------------------|------------------|-------|-----|-------------------|
| 7                     | 76/758           | 108   | 49  | JIS D5500         |
| 50                    | 89/516           |       | 53  | TS for stop lamps |
|                       | 97/30            |       |     | Article 39        |

\* A stop lamp that is required to comply with an approved stop lamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-10-1

**Figure 4-10-1. Approved stop lamp standard markings**

The following standard markings may assist in determining compliance with approved standards.



## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Mandatory equipment

1. Vehicles must comply with the requirements relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-10, general vehicles](#)
- [VIRM: In-service certification, section 4-10, heavy vehicles](#)

### Compliance with approved standards

2. The stop lamps fitted to the following vehicles must comply with one or more of the approved stop lamp standards in Table 4-10-1:

- vehicles of class MA and NA manufactured on or after 1 January 1992
- vehicles of class MB, MC, MD, ME, NB, NC, TC and TD manufactured on or after 1 January 1996
- vehicles of class TA, TB or group L manufactured on or after 1 January 2006.

### Condition and performance

3. Stop lamps must comply with the requirements relating to condition and performance set out in:

- [VIRM: In-service certification, section 4-10, general vehicles](#)
- [VIRM: In-service certification, section 4-10, heavy vehicles](#)

## 4-11 High-mounted stop lamps

### Reasons for rejection

#### Mandatory equipment

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in the [VIRM: In-service certification, section 4-11](#)

#### Compliance with approved standards

2. A high-mounted stop lamp that is required to comply with an approved high-mounted stop lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-11-1.

#### Condition and performance

3. A high-mounted stop lamp does not comply with a requirement relating to condition or performance set out in the [VIRM: In-service certification, section 4-11](#)

**Table 4-11-1. Approved high-mounted stop lamp standards\***

| UN-ECE Regulation no. | EEC/EC Directive          | FMVSS | ADR | Japan  |
|-----------------------|---------------------------|-------|-----|--|
| 7                     | 76/758<br>89/516<br>97/30 | 108   | 60  | JIS D5500TS for auxiliary stop lamps<br><br>Article 39 |

\* A high-mounted stop lamp that is required to comply with an approved high-mounted stop lamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-11-1

**Figure 4-11-1. Approved high-mounted stop lamp standard markings**

The following standard markings may assist in determining compliance with approved standards.



## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Mandatory equipment

1. Vehicles must comply with the requirements relating to mandatory equipment set out in the [VIRM: In-service certification, section 4-11](#)

### Compliance with approved standards

2. The high-mounted stop lamps fitted to the following vehicles must comply with one or more of the approved high-mounted stop lamp standards in Table 4-11-1:

- a) vehicles of class MA manufactured on or after 1 January 1991
- b) vehicles of class MB, MC, MD, ME, group N, L and T manufactured on or after 1 January 2006.

### Condition and performance

3. High-mounted stop lamps must comply with the requirements relating to condition and performance set out in the [VIRM: In-service certification, section 4-11](#)

## 4-12 Registration plate lamps

### Reasons for rejection

#### Mandatory equipment

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in the [VIRM: In-service certification, section 4-12](#)

#### Compliance with approved standards

2. A registration plate lamp that is required to comply with an approved registration plate lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-12-1.

#### Performance

3. A registration plate lamp does not comply with a requirement relating to performance set out in the [VIRM: In-service certification, section 4-12](#)

**Table 4-12-1. Approved registration plate lamp standards\***


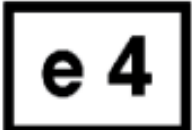
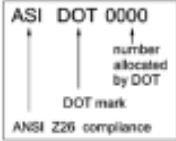

| UN-ECE Regulation no. | EEC/EC Directive | FMVSS | ADR | Japan                                   |
|-----------------------|------------------|-------|-----|---|
| 4                     | 76/760           | 108   | 48  | JIS D5500                               |
| 50                    | 97/31            |       | 53  | TS for number plate lamps<br>Article 36 |

\* A registration plate lamp that is required to comply with an approved registration plate lamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-12-1

**Figure 4-12-1. Approved registration plate lamp standard markings**

The following standard markings may assist in determining compliance with approved standards.

|  |  |   |   |
|--|--|---|---|
|  <p><b>Economic Commission<br/>for Europe (ECE)</b></p> |  <p><b>European Economic<br/>Commission (EEC)</b></p> |  <p><b>Federal Motor Vehicle<br/>Safety Standards<br/>(FMVSS)</b></p> |  <p><b>Japanese Industrial<br/>Standards</b></p> |
|--|--|---|---|

# Summary of legislation

## Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

## Mandatory equipment

1. Vehicles must comply with the requirements relating to mandatory equipment set out in the [VIRM: In-service certification, section 4-12](#)

## Compliance with approved standards

2. The registration plate lamps fitted to the following vehicles must comply with one or more of the approved registration plate lamp standards in Table 4-12-1:

- a) vehicles of group M, N, and class TC and TD manufactured on or after 1 January 1996
- b) vehicles of class LC, LD, LE, TA and TB manufactured on or after 1 January 2006.

## Performance

3. Registration plate lamps must comply with the requirements relating to performance set out in the [VIRM: In-service certification, section 4-12](#)

## 4-13 Rearward-facing retroreflectors

### Reasons for rejection

#### Mandatory equipment

1. A vehicle does not comply with a requirement relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-13, general vehicles](#)
- [VIRM: In-service certification, section 4-13, heavy vehicles](#)

#### Compliance with approved standards

2. A rearward-facing retroreflector that is required to comply with an approved rearward-facing retroreflector standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-13-1

#### Condition

3. A rearward-facing retroreflector does not comply with a requirement relating to condition set out in:

- [VIRM: In-service certification, section 4-13, general vehicles](#)
- [VIRM: In-service certification, section 4-13, heavy vehicles](#)

**Table 4-13-1. Approved rearward-facing retroreflector standards\***

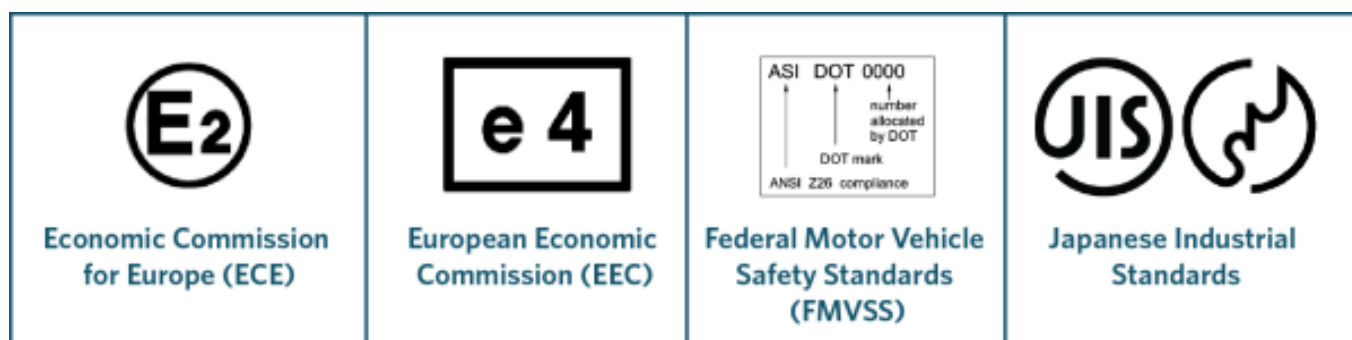
| UN-ECE Regulation no. | EEC/EC Directive          | FMVSS | ADR | Japan   |
|-----------------------|---------------------------|-------|-----|---|
| 3                     | 76/757<br>87/354<br>97/29 | 108   | 47  | TS for rear reflex reflectors<br><br>TS for large-sized rear reflex reflectors<br><br>JIS D5500<br><br>Article 38 |

\* A rearward-facing retroreflector that is required to comply with an approved rearward-facing retroreflector standard must comply with at least one of the standards listed in the table.

See also Figure 4-13-1

**Figure 4-13-1. Approved rearward-facing retroreflector standard markings**

The following standard markings may assist in determining compliance with approved standards.



## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Mandatory equipment

1. Vehicles must comply with the requirements relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 4-13, general vehicles](#)
- [VIRM: In-service certification, section 4-13, heavy vehicles.](#)

### Compliance with approved standards

2. The rearward-facing retroreflectors fitted to the following vehicles must comply with one or more of the approved rearward-facing retroreflector standards in Table 4-13-1:

- a) vehicles of class MA manufactured on or after 1 January 1991

b) vehicles of group L, class MB, MC, MD, ME, group N, and class TC and TD manufactured on or after 1 January 1992

c) vehicles of class TA and TB manufactured on or after 1 January 2006.

### Condition

3. Rearward-facing retroreflectors must comply with the requirements relating to condition set out in:

- [VIRM: In-service certification, section 4-13, general vehicles](#)
- [VIRM: In-service certification, section 4-13, heavy vehicles](#)

## 4-14 Reversing lamps

### Reasons for rejection

#### Permitted equipment

1. A vehicle does not comply with a requirement relating to permitted equipment set out in the [VIRM: In-service certification, section 4-14](#)

#### Compliance with approved standards

2. A reversing lamp that is required to comply with an approved reversing lamp standard does not comply, or cannot be demonstrated to comply, with at least one of the standards listed in Table 4-14-1

#### Performance

3. A reversing lamp does not comply with a requirement relating to performance set out in the [VIRM: In-service certification, section 4-14](#)

**Table 4-14-1. Approved reversing lamp standards\***





| UN-ECE Regulation no. | EEC/EC Directive | FMVSS | ADR | Japan   |
|-----------------------|------------------|-------|-----|---|
| 23                    | 77/539<br>97/32  | 108   | 1   | JIS D5500<br>TS for back-up lamps<br>Article 40 |

\* A reversing lamp that is required to comply with an approved reversing lamp standard must comply with at least one of the standards listed in the table.

See also Figure 4-14-1

### Figure 4-14-1. Approved reversing lamp standard markings

The following standard markings may assist in determining compliance with approved standards.

|   |   |  |  |
|---|---|--|--|
|  <p>Economic Commission<br/>for Europe (ECE)</p> |  <p>European Economic<br/>Commission (EEC)</p> |  <p>Federal Motor Vehicle<br/>Safety Standards<br/>(FMVSS)</p> |  <p>Japanese Industrial<br/>Standards</p> |
|---|---|--|--|

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#)

### Permitted equipment

1. Vehicles must comply with the requirements relating to permitted equipment set out in the [VIRM: In-service certification, section 4-14](#)

### Compliance with approved standards

2. Reversing lamps fitted to the following vehicles must comply with one or more of the approved reversing lamp standards in Table 4-14-1:

- vehicles of group M and N manufactured on or after 1 January 1996
- vehicles of group L manufactured on or after 1 January 2006.

### Performance

3. Reversing lamps must comply with the requirements relating to performance set out in the [VIRM: In-service certification, section 4-14](#)

## 4-15 Cosmetic lamps

Vehicles must comply with the requirements relating to permitted equipment, condition and performance set out in:

- [VIRM: In-service certification, section 4-15, general vehicles](#)
- [VIRM: In-service certification, section 4-15, heavy vehicles](#)

There are no additional requirements in respect of cosmetic lamps for the inspection and certification of vehicles for entry into service.

## 4-16 PSV audible and visible reversing warning devices

Vehicles must comply with the requirements relating to mandatory equipment, condition and performance set out in the [VIRM: In-service certification, section 4 -16](#)

There are no additional requirements in respect of PSV audible and visible reversing warning devices for the inspection and certification of vehicles for entry into service.

## 4-17 Heavy PSV interior lighting

### Reasons for rejection

#### Mandatory requirements

1. A doorway, aisle or set of steps is not adequately illuminated by interior lighting.
2. An interior light interferes with the driver's vision when the doors are closed.

### Summary of legislation

#### Applicable legislation

- [Land Transport Rule: Passenger Service Vehicles 1999](#)

#### Mandatory requirements

1. Interior lights must be positioned so that they adequately illuminate doorways, aisles and steps, but without interfering with the driver's vision when the doors are closed.