

**L.N. 178 of 2024**

**Road Traffic (Construction and Maintenance of Vehicles)  
(Amendment) Regulation 2024**

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## **Road Traffic (Construction and Maintenance of Vehicles) (Amendment) Regulation 2024**

(Made by the Secretary for Transport and Logistics under section 9 of  
the Road Traffic Ordinance (Cap. 374))

### **1. Commencement**

This Regulation comes into operation on 1 March 2025.

### **2. Road Traffic (Construction and Maintenance of Vehicles) Regulations amended**

The Road Traffic (Construction and Maintenance of Vehicles)  
Regulations (Cap. 374 sub. leg. A) are amended as set out in  
sections 3 to 28.

### **3. Regulation 2 amended (interpretation)**

(1) Regulation 2, definition of *outermost part*—

#### **Repeal**

everything after “not include”

#### **Substitute**

“\_\_

- (a) a door, hinged side or other adjustable part of  
the vehicle when opened or extended;
- (b) a driving mirror;
- (c) a camera unit of a camera-monitor system; or
- (d) a direction indicator;”.

(2) Regulation 2, definition of *overall height*—

#### **Repeal**

everything after “normal pressure”

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**Substitute**

“and with its extendable aerial structure (if any) completely lowered or retracted, measured vertically from the surface to—

- (a) the highest point of the vehicle; or
- (b) the highest point of the load on the vehicle, whichever is the higher;”.

- (3) Regulation 2, definition of *overall length*, after paragraph (a)—

**Add**

“(ab) any camera unit of a camera-monitor system;”.

- (4) Regulation 2, definition of *overall width*, after paragraph (a)—

**Add**

“(ab) any camera unit of a camera-monitor system;”.

- (5) Regulation 2, Chinese text, definition of 警報儀器—

**Repeal**

“儀器。”

**Substitute**

“儀器；”.

- (6) Regulation 2—

**Add in alphabetical order**

“*camera-monitor system* (攝像顯示器系統) means a system that—

- (a) contains a combination of camera units and monitor units; and

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- (b) is designed to be fitted to a motor vehicle to display to its driver when in the driving seat any or all of the following—
  - (i) the front view outside the vehicle;
  - (ii) the rear view outside the vehicle;
  - (iii) the side views outside the vehicle;

*extendable aerial structure* (可延伸架空結構) means any equipment, machine or structure that—

- (a) is fitted externally on a vehicle; and
- (b) can be raised or extended upwards (irrespective of the angle at which it can be raised or extended);

*LED* means light-emitting diode;

*lorry crane* (機動式起重吊車) means a motor vehicle the registration document of which specifies lorry crane as its type of body;

*UN Regulation* (聯合國規例), when preceded or followed by a number, or any combination of letters, numbers and punctuation marks, means the regulation that bears the number or combination and is made by the United Nations Economic Commission for Europe;

*van-type light goods vehicle* (客貨車) means a light goods vehicle constructed with a fully enclosed body that is an integral part of the vehicle;”.

#### 4. Regulation 5 amended (construction and maintenance)

Regulation 5(1), English text—

**Repeal**

“body work and fittings shall”

**Substitute**

“bodywork and fittings must”.

**5. Regulation 37 amended (visual display units)**

(1) Regulation 37(1)—

**Repeal**

“No person shall”

**Substitute**

“Subject to paragraph (4), a person must not”.

(2) Regulation 37(1), English text—

**Repeal**

“no motor vehicle shall have installed therein or thereon”

**Substitute**

“a motor vehicle must not have installed in or on it”.

(3) Regulation 37(1)—

**Repeal**

“may be installed under”

**Substitute**

“complies with the requirements specified in”.

(4) Regulation 37(1), Chinese text, after “該等地方安裝”—

**Add**

“該”.

(5) Regulation 37(1), Chinese text, after “裝有”—

**Add**

“該”.

(6) Regulation 37(1)(b) and (c), English text—

**Repeal**



“thereof”

**Substitute**

“of the visual display unit”.

- (7) Regulation 37(2)—

**Repeal**

“Subject to paragraph (3), a visual display unit that is designed to give the driver”

**Substitute**

“For the purposes of paragraph (1), the requirements are that the visual display unit is designed in such a way that, when the parking brake of the vehicle is not applied, the visual display unit only displays any or all of the following information”.

- (8) Regulation 37(2)(c)—

**Repeal**

“or”.

- (9) Regulation 37(2), English text—

**Repeal**

everything after “navigating the vehicle”

**Substitute a full stop.**

- (10) Regulation 37—

**Repeal paragraph (3)**

**Substitute**

“(3) A person must not make any alteration to such a visual display unit installed in or on a motor vehicle so as to enable it to display information other than any of the information mentioned in paragraph (2) when the parking brake of the vehicle is not applied.”.

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(11) After regulation 37(3)—

**Add**

“(4) This regulation does not apply in relation to a visual display unit that is installed in such a way that it can be readily removed from the motor vehicle.”.

**6. Regulation 38A added**

After regulation 38—

**Add**

**“38A. Acoustic vehicle alerting systems**

- (1) This regulation applies to a specified vehicle that—
  - (a) is capable of being solely propelled by an electric motor; and
  - (b) is manufactured on or after 1 January 2026.
- (2) The vehicle must be equipped with an acoustic vehicle alerting system—
  - (a) that conforms with the performance requirements of any specification or standard set out in Schedule 20; and
  - (b) the operation of which cannot be manually suspended or stopped.
- (3) The acoustic vehicle alerting system must be maintained in good and efficient working order.
- (4) It is a defence in any proceedings for a contravention of paragraph (3) to prove that—
  - (a) the defect occurred in the course of the journey during which the contravention was detected; or

- (b) at the time when the contravention was detected, steps had already been taken to have the defect remedied with all reasonable expedition.

(5) In this regulation—

***acoustic vehicle alerting system*** (車輛聲響警報系統) means a system, device or equipment that—

- (a) is designed to be fitted in a motor vehicle; and
- (b) emits sounds in order to alert other road users of the approach or presence of the vehicle;

***specified vehicle*** (指明車輛) means—

- (a) a private car;
- (b) a taxi;
- (c) a light bus;
- (d) a bus;
- (e) a goods vehicle; or
- (f) a special purpose vehicle that is adapted from any motor vehicle mentioned in paragraph (a), (b), (c), (d) or (e).”.

## 7. Regulation 39 substituted

Regulation 39—

**Repeal the regulation**

**Substitute**

**“39. Mirrors for observing traffic to rear and on both sides rearwards—for vehicles other than those referred to in regulations 39AA, 39AAC and 39AAD**

- (1) This regulation applies to—

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- (a) any of the following motor vehicles that is manufactured before 1 January 2028—
    - (i) a private car;
    - (ii) a taxi;
    - (iii) a light bus;
    - (iv) a van-type light goods vehicle;
  - (b) any of the following motor vehicles that is first registered before 1 January 2028—
    - (i) a bus;
    - (ii) a light goods vehicle (other than a van-type light goods vehicle);
    - (iii) a medium goods vehicle;
    - (iv) a heavy goods vehicle;
  - (c) a special purpose vehicle that is adapted from—
    - (i) any motor vehicle mentioned in subparagraph (a) or (b);
    - (ii) a motor cycle or motor tricycle manufactured before 1 January 2028; or
    - (iii) an invalid carriage; and
  - (d) a special purpose vehicle other than one mentioned in—
    - (i) subparagraph (c);
    - (ii) regulation 39AAC(1)(a)(vii) or (b)(v); or
    - (iii) regulation 39AAD(1)(c).
- (2) The vehicle must be equipped with at least two mirrors that are fitted in the following manner—
- (a) one of the mirrors must be fitted externally on the off side of the vehicle; and

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- (b) the other mirror must be fitted either internally to the vehicle or externally on the near side of the vehicle.
- (3) The mirrors must be so constructed and fitted to the vehicle as to assist the driver to become aware of traffic to the rear and on both sides rearwards.”.

**8. Regulations 39AA to 39AAG added**

Before regulation 39A—

**Add**

**“39AA. Mirrors for observing traffic to rear—for motor cycles and motor tricycles manufactured before 1 January 2028 and invalid carriages**

- (1) This regulation applies to—
  - (a) a motor cycle or motor tricycle that is manufactured before 1 January 2028; and
  - (b) an invalid carriage.
- (2) The vehicle must be equipped with a mirror that—
  - (a) is fitted externally on the off side of the vehicle; and
  - (b) is so constructed and fitted to the vehicle as to assist the driver to become aware of traffic to the rear.

**39AAB. Mirrors for observing alighting passengers—for light buses manufactured and buses first registered before 1 January 2028**

- (1) This regulation applies to—
  - (a) a light bus that is manufactured before 1 January 2028; and

- (b) a bus that is first registered before 1 January 2028.
- (2) The vehicle must be equipped with at least one mirror that—
  - (a) is fitted externally on the near side front of the vehicle; and
  - (b) is of such size and so constructed and fitted to the vehicle as to give the driver a full and clear view of any passenger who is alighting from the vehicle.
- (3) The mirror fitted to a motor vehicle under paragraph (2) may be the same mirror fitted to the vehicle externally on its near side under regulation 39(2)(b).

**39AAC. Mirrors and camera-monitor systems for observing traffic—for certain vehicles manufactured or first registered on or after 1 January 2028**

- (1) This regulation applies to—
  - (a) any of the following motor vehicles that is manufactured on or after 1 January 2028—
    - (i) a private car;
    - (ii) a taxi;
    - (iii) a light bus;
    - (iv) a van-type light goods vehicle;
    - (v) a motor cycle the bodywork of which partly or wholly encloses the driver;
    - (vi) a motor tricycle the bodywork of which partly or wholly encloses the driver;

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- (vii) a special purpose vehicle that is adapted from any motor vehicle mentioned in sub-subparagraph (i), (ii), (iii), (iv), (v) or (vi); and
- (b) any of the following motor vehicles that is first registered on or after 1 January 2028—
  - (i) a bus;
  - (ii) a light goods vehicle (other than a van-type light goods vehicle);
  - (iii) a medium goods vehicle;
  - (iv) a heavy goods vehicle;
  - (v) a special purpose vehicle that is adapted from any motor vehicle mentioned in sub-subparagraph (i), (ii), (iii) or (iv).
- (2) Subject to paragraph (3), the vehicle—
  - (a) must comply with the following requirements—
    - (i) it must be equipped with such number of mirrors as is specified in any scheduled standard; and
    - (ii) the mirror or mirrors must conform with the performance and installation requirements of that scheduled standard;
  - (b) must be equipped with a camera-monitor system that conforms with the performance and installation requirements of any scheduled standard; or
  - (c) must be equipped with a combination of the following appliances that conforms with the installation requirements of any scheduled standard—

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- (i) a mirror that conforms with the performance requirements of that scheduled standard; and
  - (ii) a camera-monitor system that conforms with the performance requirements of that scheduled standard.
- (3) For a medium goods vehicle mentioned in paragraph (1)(b)(iii), even if a requirement on the provision of front view by a mirror or camera-monitor system as set out in any scheduled standards is optional in relation to the vehicle, the vehicle must still be equipped with the mirror or system that conforms with the requirement as if the requirement were compulsory in relation to the vehicle.
- (4) In this regulation—  
*scheduled standard* (附表標準) means a specification or standard set out in Part 1 of Schedule 21.
- (5) In this regulation, a reference to the installation requirements of a scheduled standard includes a requirement on the field of vision to be provided as set out in that standard.

**39AAD. Mirrors for observing traffic—for motor cycles and motor tricycles manufactured on or after 1 January 2028 and special purpose vehicles adapted from them**

- (1) This regulation applies to any of the following motor vehicles that is manufactured on or after 1 January 2028—
  - (a) a motor cycle—
    - (i) the bodywork of which does not enclose the driver; or



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- (ii) that does not have bodywork;
  - (b) a motor tricycle—
    - (i) the bodywork of which does not enclose the driver; or
    - (ii) that does not have bodywork;
  - (c) a special purpose vehicle that is adapted from any motor vehicle mentioned in subparagraph (a) or (b).
- (2) The vehicle must be equipped with such number of mirrors as is specified in any specification or standard set out in Part 2 of Schedule 21, and the mirror or mirrors must conform with the performance and installation requirements of that specification or standard.
- (3) Even if a mirror is not required to be fitted externally on the off side of the vehicle under paragraph (2), at least one mirror must be so fitted to the vehicle.

**39AAE. Mirrors and camera-monitor systems for observing alighting passengers—for light buses manufactured and buses first registered on or after 1 January 2028**

- (1) This regulation applies to—
- (a) a light bus that is manufactured on or after 1 January 2028; and
  - (b) a bus that is first registered on or after 1 January 2028.
- (2) The vehicle—
- (a) must be equipped with at least one mirror that—

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- (i) is fitted externally on the near side front of the vehicle; and
  - (ii) is of such size and so constructed and fitted to the vehicle as to give the driver a full and clear view of any passenger who is alighting from the vehicle; or
- (b) must be equipped with a camera-monitor system that—
  - (i) gives the driver a full and clear view of any passenger who is alighting from the vehicle; and
  - (ii) conforms with the performance requirements of any specification or standard set out in Part 1 of Schedule 21.
- (3) The mirror or camera-monitor system fitted to a motor vehicle under paragraph (2) may be the same mirror or camera-monitor system fitted to the vehicle under regulation 39AAC(2).

**39AAF. Miscellaneous requirements in relation to mirrors**

- (1) The edges of a mirror fitted internally to a motor vehicle must be surrounded by some material such that, if the mirror or that material is struck by any person in or on the vehicle, severe cuts are unlikely to be inflicted on the person.
- (2) The mirror that is fitted externally to a motor vehicle must—
  - (a) be fitted to the vehicle in such a way that it remains steady under normal driving conditions; and

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- (b) if the vehicle is fitted with windows and a windscreen—be fitted in such a way as to be visible to the driver (when in the driving seat) through—
  - (i) a side window; or
  - (ii) the portion of the windscreen that is swept by the windscreen wipers.
- (3) Unless a mirror referred to in paragraph (2) is so designed as not to cause injury to any person in the event of a collision, the mirror must not—
  - (a) if the bottom of the mirror is less than 2 metres above the road surface when the vehicle is laden—project more than 10 centimetres beyond the overall width of the vehicle; or
  - (b) if the vehicle is towing a trailer with an overall width greater than that of the towing vehicle—project more than 20 centimetres beyond the overall width of the trailer.

**39AAG. Miscellaneous requirements in relation to camera-monitor systems**

- (1) The edges of a monitor unit of a camera-monitor system that is fitted internally to a motor vehicle must be surrounded by some material such that, if the monitor unit or that material is struck by any person in or on the vehicle, severe cuts are unlikely to be inflicted on the person.
- (2) A camera unit of a camera-monitor system fitted externally on a motor vehicle must be fitted to the vehicle in such a way that it remains steady under normal driving conditions.

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- (3) Unless a camera unit referred to in paragraph (2) is so designed as not to cause injury to any person in the event of a collision, the camera unit must not—
- (a) if the bottom of the camera unit is less than 2 metres above the road surface when the vehicle is laden—project more than 10 centimetres beyond the overall width of the vehicle; or
  - (b) if the vehicle is towing a trailer with an overall width greater than that of the towing vehicle—project more than 20 centimetres beyond the overall width of the trailer.”.

**9. Regulation 40A amended (sideguards)**

- (1) Regulation 40A(2), English text—

**Repeal**

“shall”

**Substitute**

“does”.

- (2) Regulation 40A(2)(e) and (f), English text—

**Repeal**

“body work”

**Substitute**

“bodywork”.

**10. Regulation 40B amended (rearguards)**

- Regulation 40B(2)(e) and (i), English text—

**Repeal**

“body work”

**Substitute**

“bodywork”.

**11. Regulations 40C to 40F added**

Part II, after regulation 40B—

**Add**

**“40C. Remote control parking systems**

- (1) A motor vehicle must not be equipped with a remote control parking system unless the system is an approved remote control parking system under paragraph (2).
- (2) A remote control parking system of a motor vehicle (*subject vehicle*) is an approved remote control parking system if—
  - (a) the system is of a design and construction approved by the Commissioner in respect of the model of the subject vehicle;
  - (b) a remote control parking device that can control the subject vehicle through the system enables the subject vehicle to move only if—
    - (i) the application of the device that is designed for remotely parking the subject vehicle is continuously activated;
    - (ii) the signal between the subject vehicle and the device is maintained; and
    - (iii) the distance between the subject vehicle and the device does not exceed 6 metres; and
  - (c) the system is capable of—

- (i) detecting road users, other vehicles and any other obstacles in the area surrounding the subject vehicle when the subject vehicle is being remotely parked; and
  - (ii) bringing the subject vehicle to a stop immediately.
- (3) For the purposes of paragraph (2)(a), the Commissioner is to signify the approval in writing.
- (4) The remote control parking system of a motor vehicle must be maintained in good and efficient working order.
- (5) In this regulation—

***remote control parking device*** (遙控泊車設備) means a device that is used or designed to be used to control a motor vehicle through the remote control parking system of the vehicle;

***remote control parking system*** (遙控泊車系統), in relation to a motor vehicle, means a system that is used or designed to be used to remotely park the vehicle by controlling all of the following—

  - (a) the braking system of the vehicle;
  - (b) the steering mechanism of the vehicle;
  - (c) an accelerator device of the vehicle.
- (6) In this regulation, a reference to remotely parking a motor vehicle—
  - (a) is a reference to parking the vehicle by the use of a remote control parking device; and
  - (b) includes moving the vehicle out of the place where it is parked by the use of a remote control parking device.

**40D. Over-height warning systems for vehicles with extendable aerial structures—requirements**

- (1) Subject to regulations 40E and 40F, this regulation applies to a vehicle fitted with an extendable aerial structure that, when raised or extended upwards, may cause the extended overall height of the vehicle to exceed its specified overall height.
- (2) The vehicle must be equipped with a warning system that is capable of giving audible and visible warnings to the driver when in the driving seat during the time the extended overall height of the vehicle exceeds its specified overall height while the vehicle is in motion.
- (3) The warning system must be so constructed that its operation cannot be manually suspended or stopped while the vehicle is in motion.
- (4) The warning system must comply with both of the following requirements—
  - (a) every part of the system must be properly and securely fitted to the vehicle;
  - (b) the system must be maintained in good and efficient working order.
- (5) It is a defence in any proceedings for a contravention of paragraph (4)(b) to prove that—
  - (a) the defect occurred in the course of the journey during which the contravention was detected; or
  - (b) at the time when the contravention was detected, steps had already been taken to have the defect remedied with all reasonable expedition.
- (6) In this regulation—

*extended overall height* (延伸後全高度), in relation to a vehicle fitted with an extendable aerial structure, means, while the vehicle is standing on a level surface with all tyres inflated to normal pressure and with the structure raised or extended upwards, the height of the vehicle measured vertically from the surface to—

- (a) the highest point of the vehicle; or
  - (b) the highest point of the structure,
- whichever is the higher;

*specified overall height* (指明全高度), in relation to a vehicle, means the overall height specified in relation to the vehicle in column 4 of the First Schedule.

**40E. Over-height warning systems for vehicles with extendable aerial structures—exemption and transitional provisions for certain lorry cranes**

- (1) Regulation 40D does not apply to a lorry crane (other than a lorry crane specified in paragraph (2)) that is first registered before 1 March 2025 until—
  - (a) the date on which the lorry crane is next required under section 78(1) of the Ordinance to be produced for examination before it is licensed (but excluding a date that falls before 1 September 2025); or
  - (b) the date on which the vehicle licence in respect of the lorry crane ceases to be valid,whichever is the earlier.



- (2) A specified lorry crane that is first registered on or before 31 December 2012 is exempt from regulation 40D so long as the condition specified in paragraph (3) is met in relation to the lorry crane.
- (3) For the purposes of paragraph (2), the condition is that if the lorry crane were first registered on 1 March 2025, its emission could not conform to the vehicle design standards that would be applicable to the lorry crane under the Air Pollution Control (Vehicle Design Standards) (Emission) Regulations (Cap. 311 sub. leg. J).
- (4) If a lorry crane specified in paragraph (2) ceases to be exempt from regulation 40D on a date (***cessation date***), that regulation does not apply to the lorry crane until—
  - (a) the date on which the lorry crane is next required under section 78(1) of the Ordinance to be produced for examination before it is licensed (but excluding a date that falls before the cessation date); or
  - (b) the date on which the vehicle licence in respect of the lorry crane ceases to be valid,whichever is the earlier.
- (5) In paragraph (2)—

***specified lorry crane*** (指明機動式起重吊車) means a lorry crane that is a controlled vehicle within the meaning of section 3(1)(da) of the Air Pollution Control (Air Pollutant Emission) (Controlled Vehicles) Regulation (Cap. 311 sub. leg. X).

**40F. Over-height warning systems for vehicles with extendable aerial structures—exemption and transitional provisions for certain vehicles other than lorry cranes**

- (1) Regulation 40D does not apply to a motor vehicle (other than a motor vehicle specified in paragraph (2) or a lorry crane) that is first registered before 1 March 2025 until—
  - (a) the date on which the vehicle is next required under section 78(1) of the Ordinance to be produced for examination before it is licensed (but excluding a date that falls before 1 September 2026); or
  - (b) the date on which the vehicle licence in respect of the vehicle ceases to be valid,whichever is the earlier.
- (2) A specified vehicle that is first registered on or before 31 December 2013 is exempt from regulation 40D so long as the condition specified in paragraph (3) is met in relation to the vehicle.
- (3) For the purposes of paragraph (2), the condition is that if the vehicle were first registered on 1 March 2025, its emission could not conform to the vehicle design standards that would be applicable to the vehicle under the Air Pollution Control (Vehicle Design Standards) (Emission) Regulations (Cap. 311 sub. leg. J).
- (4) If a motor vehicle specified in paragraph (2) ceases to be exempt from regulation 40D on a date (*cessation date*), that regulation does not apply to the vehicle until—

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- (a) the date on which the vehicle is next required under section 78(1) of the Ordinance to be produced for examination before it is licensed (but excluding a date that falls before the cessation date); or
  - (b) the date on which the vehicle licence in respect of the vehicle ceases to be valid,
- whichever is the earlier.

(5) In paragraph (2)—

***specified vehicle*** (指明汽車) means a motor vehicle that—

- (a) is a controlled vehicle within the meaning of section 3(1)(da) of the Air Pollution Control (Air Pollutant Emission) (Controlled Vehicles) Regulation (Cap. 311 sub. leg. X); and
- (b) is not a lorry crane.”.

**12. Regulation 56 amended (side overhang)**

Regulation 56—

**Repeal**

“or a driving mirror, shall”

**Substitute**

“, a driving mirror, or a camera unit of a camera-monitor system, may”.

**13. Regulation 81A amended (protective partitions inside vans)**

(1) Regulation 81A, English text, heading—

**Repeal**

“vans”

**Substitute**

**“van-type light goods vehicles”.**

- (2) Regulation 81A(1), English text—

**Repeal**

“van” (wherever appearing)

**Substitute**

“van-type light goods vehicle”.

- (3) Regulation 81A—

**Repeal paragraph (2).**

- (4) Regulation 81A(3)(a) and (b), English text—

**Repeal**

“van”

**Substitute**

“van-type light goods vehicle”.

**14. Regulations 88A and 88B added**

Part VII, before regulation 89—

**Add**

**“88A. Restriction on light sources**

- (1) This regulation applies to a lamp or direction indicator required or permitted to be carried by a motor vehicle or trailer under this Part other than—
- (a) a blue lamp carried under regulation 112; and
  - (b) a lamp carried under regulation 113.
- (2) The light shown by the lamp or direction indicator must be derived from—
- (a) an electric bulb;
  - (b) a sealed beam lamp; or

(c) an LED module.

**88B. Lamps and direction indicators with LED modules**

- (1) This regulation applies to a lamp or direction indicator—
  - (a) that is fitted with an LED module; and
  - (b) that—
    - (i) is set out in column 2 of Schedule 6A; and
    - (ii) is required or permitted to be carried by a motor vehicle or trailer under the provision specified in column 3 of that Schedule opposite to the lamp or direction indicator.
- (2) In addition to any requirement under these regulations that applies to the lamp or direction indicator, the lamp or direction indicator must also conform with—
  - (a) any specification or standard specified in column 4 of Schedule 6A opposite to the lamp or direction indicator; or
  - (b) any specification or standard that is demonstrated to the Commissioner to be substantially the same as, or more stringent than, any specification or standard referred to in subparagraph (a).”.

**15. Regulation 90 amended (character of front lamps)**

- (1) Regulation 90, heading—

**Repeal**

**“front”**

**Substitute**

**“obligatory front”.**

(2) Regulation 90(1)—

**Repeal everything before the dash**

**Substitute**

“(1) This regulation applies to an obligatory front lamp other than”.

**16. Regulation 97 amended (headlamps to be carried by vehicles with 2 or 3 wheels)**

Regulation 97—

**Repeal paragraph (2)**

**Substitute**

“(2) If a beam that is emitted by a headlamp required to be carried by a motor vehicle under this regulation is derived from an electric bulb or a sealed beam lamp, the rating of the filament, or at least one of the filaments, of the electric bulb or sealed beam lamp must not be less than—

(a) if the vehicle is a motor cycle (whether or not a sidecar is attached)—18 watts; and

(b) in any other case—

(i) for a dipped beam emitted by the headlamp—24 watts; and

(ii) for a main beam emitted by the headlamp—30 watts.”.

**17. Regulation 98 amended (headlamps to be carried by vehicles with 4 or more wheels)**

Regulation 98—

**Repeal paragraph (2)**

**Substitute**

“(2) If a main beam or dipped beam that is emitted by a headlamp required to be carried under this regulation is derived from an electric bulb or a sealed beam lamp, the rating of the filament, or at least one of the filaments, of the electric bulb or sealed beam lamp must not be less than 30 watts.”.

**18. Regulation 105 amended (reversing lamps)**

(1) Regulation 105(2), English text—

**Repeal**

“shall comply”

**Substitute**

“must comply”.

(2) Regulation 105(2)(a) and (b), English text—

**Repeal**

“shall be”

**Substitute**

“must be”.

(3) Regulation 105(2)—

**Repeal subparagraph (c)**

**Substitute**

“(c) if the lamp is fitted with one or more electric bulbs or a sealed beam lamp—the rated wattage of the electric bulb or the total rated wattage of all the bulbs or the rated wattage of the sealed beam lamp must not exceed 24 watts; and”.

(4) Regulation 105(2)(d), English text—

**Repeal**

“shall be”

**Substitute**

“must be”.

**19. Regulation 107 amended (character of reflectors)**

(1) Regulation 107—

**Renumber the regulation as regulation 107(2).**

(2) Before regulation 107(2)—

**Add**

“(1) An obligatory reflector must either—

(a) comply with the requirements under paragraph (2); or

(b) both—

(i) comply with the requirements under paragraph (2)(a)(i), (c) and (d); and

(ii) conform with any specification or standard specified in paragraph (3).”.

(3) Regulation 107(2)—

**Repeal**

“Every obligatory reflector shall comply with the following requirements”

**Substitute**

“For the purposes of paragraph (1)(a) and (b)(i), the requirements are”.

(4) Regulation 107(2)(a), (b), (c) and (d), English text—

**Repeal**

“shall” (wherever appearing)

**Substitute**



Section 20

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“must”.

- (5) After regulation 107(2)—

**Add**

- “(3) For the purposes of paragraph (1)(b)(ii), the specifications and standards are—
- (a) UN Regulation No. 3 (as amended by all revisions up to and including Supplement 12 to the 02 series of amendments on 23 June 2011);
  - (b) UN Regulation No. 150 (as amended by all revisions up to and including Supplement 3 to the original version on 30 September 2021); and
  - (c) any other specifications and standards that are demonstrated to the Commissioner to be substantially the same as, or more stringent than, any specification or standard specified in subparagraph (a) or (b).”.

**20. Regulation 110 amended (character of front corner and side marker lamps)**

- (1) Regulation 110(2), English text—

**Repeal**

“electricity shall”

**Substitute**

“electricity must”.

- (2) Regulation 110(2)—

**Repeal subparagraph (b)**

**Substitute**

- “(b) fitted with—
- (i) one or more electric bulbs that comply with the following requirements—
    - (A) the rated wattage of the bulb or the total rated wattage of all the bulbs must not exceed 7 watts; and
    - (B) the rated wattage of each bulb must be indelibly marked on the glass or metal cap of the bulb in a readily legible manner; or
  - (ii) one or more LED modules the rated wattage or the total rated wattage of which does not exceed 1 watt; and”.
- (3) Regulation 110—

**Repeal paragraph (3)**

**Substitute**

- “(3) Paragraph (2)(a) does not apply to—
- (a) a front corner marker lamp or side marker lamp that is fitted with an LED module; or
  - (b) a front corner marker lamp or side marker lamp that is carried by a trailer designed and constructed for the carriage of round timber, if the electricity illuminating that lamp is derived from a battery having a voltage of at least 3 volts.”.

**21. Regulation 111 amended (amber lamps on certain vehicles)**

Regulation 111—

**Repeal paragraph (7)**

**Substitute**

“(7) If a lamp carried pursuant to paragraph (1) is fitted with one or more electric bulbs, the rated wattage of the bulb or the total rated wattage of all the bulbs must not exceed 36 watts.”.

**22. First Schedule amended (overall dimensions of vehicles)**

(1) First Schedule—

**Repeal**

“reg. 6”

**Substitute**

“regs. 6 & 40D”.

(2) First Schedule—

**Repeal**

“Single-decked 12.0 metres 2.5 metres 3.5 metres”

**Substitute**

“Single-decked 12.0 metres 2.5 metres 4.0 metres”.

**23. Schedule 6A added**

After the Sixth Schedule—

**Add**

## “Schedule 6A

[reg. 88B]

### Specifications and Standards for Lamps and Direction Indicators with LED Modules

Column 1	Column 2	Column 3	Column 4
Item	Lamp or direction indicator	Provision	Specification or standard
1.	Obligatory front lamp	Regulation 89	<ol style="list-style-type: none"><li>UN Regulation No. 7 (as amended by all revisions up to and including Supplement 23 to the 02 series of amendments on 9 October 2014) (<i>UN Regulation No. 7</i>)</li><li>UN Regulation No. 148 (as amended by all revisions up to and including Supplement 3 to the original version on 30 September 2021) (<i>UN Regulation No. 148</i>)</li></ol>

Section 23

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Column 1	Column 2	Column 3	Column 4
Item	Lamp or direction indicator	Provision	Specification or standard
2.	Headlamp carried by vehicles with 2 or 3 wheels	Regulation 97	<ol style="list-style-type: none"><li>1. UN Regulation No. 112 (as amended by all revisions up to and including Supplement 12 to the original version on 19 August 2010)</li><li>2. UN Regulation No. 113 (as amended by all revisions up to and including Supplement 3 to the 01 series of amendments on 9 October 2014)</li><li>3. UN Regulation No. 149 (as amended by all revisions up to and including Supplement 3 to the original version on 30 September 2021) (<i>UN Regulation No. 149</i>)</li></ol>

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Column 1	Column 2	Column 3	Column 4
Item	Lamp or direction indicator	Provision	Specification or standard
3.	Headlamps carried by vehicles with 4 or more wheels	Regulation 98	<ol style="list-style-type: none"><li>1. UN Regulation No. 112 (as amended by all revisions up to and including Supplement 4 to the 01 series of amendments on 15 July 2013)</li><li>2. UN Regulation No. 123 (as amended by all revisions up to and including Supplement 9 to the 01 series of amendments on 10 February 2018)</li><li>3. UN Regulation No. 149</li></ol>
4.	Obligatory rear lamp	Regulation 103	<ol style="list-style-type: none"><li>1. UN Regulation No. 7</li><li>2. UN Regulation No. 148</li></ol>

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Section 23

Column 1	Column 2	Column 3	Column 4
Item	Lamp or direction indicator	Provision	Specification or standard
5.	Reversing lamp	Regulation 105	<ol style="list-style-type: none"><li>1. UN Regulation No. 23 (as amended by all revisions up to and including Supplement 19 to the original version on 15 July 2013)</li><li>2. UN Regulation No. 148</li></ol>
6.	Amber lamp	Regulation 111	UN Regulation No. 65 (as amended by all revisions up to and including Supplement 7 to the original version on 23 June 2011)
7.	Direction indicator	Regulation 114	<ol style="list-style-type: none"><li>1. UN Regulation No. 6 (as amended by all revisions up to and including Supplement 25 to the 01 series of amendments on 9 October 2014)</li><li>2. UN Regulation No. 148</li></ol>

Section 24

Column 1	Column 2	Column 3	Column 4
Item	Lamp or direction indicator	Provision	Specification or standard
8.	Stop lamp	Regulation 115	1. UN Regulation No. 7 2. UN Regulation No. 148”.

**24. Seventh Schedule amended (requirements as to the number and position on vehicles of obligatory rear lamps)**

(1) Seventh Schedule, item 5, column 5—

**Repeal**

“1.1 metres”

**Substitute**

“1.5 metres or, if the bodywork of the vehicle makes it impossible for the maximum height to be within 1.5 metres, 2.1 metres”.

(2) Seventh Schedule, item 7, column 5—

**Repeal**

“1.1 metres”

**Substitute**

“1.5 metres or, if the bodywork of the vehicle makes it impossible for the maximum height to be within 1.5 metres, 2.1 metres”.

**25. Eighth Schedule amended (requirements as to the number and position on vehicles of obligatory reflectors)**

(1) Eighth Schedule, item 5, column 5—



**Repeal**

“1.4 metres”

**Substitute**

“1.5 metres or, if the bodywork of the vehicle makes it impossible for the maximum height to be within 1.5 metres, 2.1 metres”.

- (2) Eighth Schedule, item 7, column 5—

**Repeal**

“1.1 metres”

**Substitute**

“1.5 metres or, if the bodywork of the vehicle makes it impossible for the maximum height to be within 1.5 metres, 2.1 metres”.

**26. Ninth Schedule amended (direction indicators)**

- (1) Ninth Schedule, Part II, paragraph 2(b)(ii)—

**Repeal**

“80 square centimetres”

**Substitute**

“20 square centimetres”.

- (2) Ninth Schedule, Part II, paragraph 4(2)(a), before “the power”—

**Add**

“if the lamp is fitted with an electric bulb—”.

- (3) Ninth Schedule, Part II, paragraph 4(2)(b)—

**Repeal**

everything after “circuit”

**Substitute**

“and—

- (i) a separate electric bulb;
- (ii) a separate electric filament; or
- (iii) a separate LED module.”.

- (4) Ninth Schedule, Part II—

**Repeal paragraph 5**

**Substitute**

- “5. If a direction indicator carried in compliance with this Part is fitted with one or more electric bulbs, the rated wattage of the bulb or the total rated wattage of all the bulbs must be not less than 15 watts and not more than 36 watts.”.

- (5) Ninth Schedule, Part III, paragraph 6(2)—

**Repeal**

“13 as to the minimum total rated wattage of the bulb or bulbs illuminating any indicator shall”

**Substitute**

“13(a) as to the minimum rated wattage of the bulb or the minimum total rated wattage of all the bulbs illuminating an indicator does”.

- (6) Ninth Schedule, Part III, paragraph 7(c)—

**Repeal**

“80 square centimetres”

**Substitute**

“20 square centimetres”.

- (7) Ninth Schedule, Part III—

**Repeal paragraph 13**

**Substitute**

“13. If a direction indicator fitted to a vehicle in compliance with this Part is fitted with one or more electric bulbs, the bulb or bulbs must comply with the following requirements—

- (a) except as provided in paragraph 6(2), the rated wattage of the bulb or the total rated wattage of all the bulbs must be not less than 15 watts and not more than 36 watts; and
- (b) the rated wattage of each bulb must be indelibly marked on the glass or metal cap of the bulb in a readily legible manner.”.

(8) Ninth Schedule, Part V, paragraph 2(b)—

**Repeal sub-subparagraph (ii)**

**Substitute**

“(ii) the requirement of paragraph 2A is complied with;”.

(9) Ninth Schedule, Part V, after paragraph 2—

**Add**

“2A. For the purposes of paragraph 2(b)(ii), if the indicator is fitted with one or more electric bulbs, the rated wattage of the bulb or the total rated wattage of all the bulbs is not less than 15 watts and not more than 36 watts.”.

**27. Tenth Schedule amended (stop lamps)**

Tenth Schedule, Part II—

**Repeal paragraph 4**

**Substitute**

- “4. For the electric bulb or sealed beam lamp with which a stop lamp is fitted—
- (a) the rated wattage of the bulb or sealed beam lamp must be not less than 15 watts and not more than 36 watts; and
  - (b) the rated wattage of the bulb or sealed beam lamp must be indelibly marked on its glass or metal cap in a readily legible manner.”.

**28. Schedules 20 and 21 added**

After Schedule 19—

**Add**

**“Schedule 20**

[reg. 38A]

**Specifications and Standards for Acoustic Vehicle  
Alerting Systems**

1. UN Regulation No. 138 dated 5 October 2016.
2. Regulation (EU) No. 540/2014 of the European Parliament and the Council of the European Union as amended by the subsequent amendments up to and including amendments made by Commission Delegated Regulation (EU) 2017/1576.

3. Article 43-7 of the Safety Regulations for Road Vehicles made by the Ministry of Land, Infrastructure, Transport and Tourism of Japan via Ministry of Land, Infrastructure, Transport and Tourism Ordinance No. 73 of 7 October 2016.
4. National Standard of the People's Republic of China GB/T 37153-2018 for acoustic vehicle alerting system of electric vehicles running at low speed.
5. Any other specifications and standards that are demonstrated to the Commissioner to be substantially the same as, or more stringent than, any specification or standard specified in paragraph 1, 2, 3 or 4.

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## Schedule 21

[regs. 39AAC, 39AAD &  
39AAE]

### Specifications and Standards for Mirrors and Camera-monitor Systems

#### Part 1

1. UN Regulation No. 46 (as amended by all revisions up to and including Supplement 1 to the 04 series of amendments on 9 October 2014).

2. Article 44 of the Safety Regulations for Road Vehicles made by the Ministry of Transport of Japan as amended by Ministry of Land, Infrastructure, Transport and Tourism Ordinance No. 50 of 17 June 2016.
3. National Standard of the People’s Republic of China GB 15084-2022 for motor vehicles-Device for indirect vision-Requirement of performance and installation.
4. Any other specifications and standards that are demonstrated to the Commissioner to be substantially the same as, or more stringent than, any specification or standard specified in paragraph 1, 2 or 3.

## **Part 2**

1. UN Regulation No. 81 (as amended by all revisions up to and including Supplement 2 to the original version on 18 June 2007).
2. Article 44 of the Safety Regulations for Road Vehicles made by the Ministry of Transport of Japan as amended by Ministry of Land, Infrastructure, Transport and Tourism Ordinance No. 50 of 17 June 2016.
3. National Standard of the People’s Republic of China GB 17352-2010 for performance and installation requirements of rear views mirrors for motorcycles and mopeds.
4. Any other specifications and standards that are demonstrated to the Commissioner to be substantially the same as, or more stringent than, any specification or standard specified in paragraph 1, 2 or 3.”.

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Mable CHAN  
Secretary for Transport and  
Logistics

10 December 2024

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## Explanatory Note

The main purposes of this Regulation are to amend the Road Traffic (Construction and Maintenance of Vehicles) Regulations (Cap. 374 sub. leg. A) (*principal Regulations*)—

- (a) to relax the requirements in relation to the information that may be displayed by visual display units of motor vehicles;
  - (b) to require electric vehicles and hybrid electric vehicles to be equipped with acoustic vehicle alerting systems (*AVAS*);
  - (c) to revise the requirements in relation to mirrors and to introduce requirements in relation to camera-monitor systems (*CMS*) for certain vehicles;
  - (d) to regulate remote control parking systems of motor vehicles;
  - (e) to require certain vehicles with extendable aerial structures to be equipped with over-height warning systems; and
  - (f) to revise the requirements in relation to lighting, reflectors and other vehicle constructions.
2. Section 3 amends regulation 2 of the principal Regulations—
- (a) to exclude a camera unit of CMS from the definition of *outermost part*, *overall length* and *overall width*;
  - (b) to clarify the calculation of the overall height of a vehicle with an extendable aerial structure; and
  - (c) to add new definitions (key definitions include *camera-monitor system* and *extendable aerial structure*).



3. Regulation 37 of the principal Regulations prohibits a visual display unit from being installed at a point forward of the driver's seat, or in the manner referred to in that regulation, except one that is designed to give the driver certain traffic-related information. Section 5 amends regulation 37 to relax the requirements so that there is no restriction on the information that may be displayed by a visual display unit of a motor vehicle when the parking brake of the vehicle is applied.
4. Section 6 adds new regulation 38A to the principal Regulations to require a specified vehicle manufactured on or after 1 January 2026 that is capable of being solely propelled by an electric motor to be equipped with an AVAS. The AVAS must, among others, conform with the performance requirements of any specification or standard set out in the new Schedule 20.
5. Regulation 39 of the principal Regulations provides for the requirements in relation to mirrors for observing the traffic and the alighting passengers. Section 7 substitutes regulation 39, and section 8 adds new regulations 39AA to 39AAG to the principal Regulations, to, among others, provide for the requirements in relation to mirrors and CMS for certain vehicles that are manufactured or first registered on or after 1 January 2028. In particular—
  - (a) certain vehicles (for example, private cars, taxis, light buses, buses and goods vehicles) must be equipped with either mirrors or CMS, or a combination of them, for observing the traffic (see new regulation 39AAC);
  - (b) certain motor cycles and motor tricycles must be equipped with at least one mirror externally on their off sides for observing the traffic (see new regulation 39AAD); and

- (c) buses and light buses must be equipped with at least one mirror, or CMS, for observing the alighting passengers (which may be the same mirror or CMS referred to in subparagraph (a)) (see new regulation 39AAE).

The new Schedule 21 sets out the specifications and standards in relation to the mirrors referred to in subparagraphs (a) and (b) and the CMS referred to in subparagraphs (a) and (c).

- 6. Section 11 adds new regulation 40C to the principal Regulations to introduce requirements on a remote control parking system (basically a system that is used or designed to be used to park a motor vehicle, or move it out of the place where it is parked, by a device (*device*)) which a motor vehicle may be equipped with. The requirements are as follows—
  - (a) the system is of a design and construction approved by the Commissioner for Transport for the particular vehicle model;
  - (b) the device enables the vehicle to move only if the specified conditions are met;
  - (c) the system is capable of detecting obstacles and immediately bringing the vehicle to a stop.
- 7. In addition, section 11 adds new regulations 40D to 40F to the principal Regulations—
  - (a) regulation 40D requires a vehicle with an extendable aerial structure as described in regulation 40D(1) to be equipped with an over-height warning system (basically a system that gives warnings if the structure is raised or extended upwards in such a way that the extended overall height (as defined in regulation 40D(6)) of the moving vehicle exceeds its maximum overall height); and

- (b) regulations 40E and 40F provide for exemption and transitional provisions for certain lorry cranes and other motor vehicles.
8. Section 12 amends regulation 56 of the principal Regulations to exclude a camera unit of CMS from the requirement in relation to side overhang of a bus or light bus under that regulation.
9. In view of the new definition of *van-type light goods vehicle* added to regulation 2 of the principal Regulations, section 13 amends regulation 81A of the principal Regulations to achieve consistency in expressions.
10. Sections 14 to 21, 23, 26 and 27 amend regulations 90, 97, 98, 105, 107, 110 and 111 of, and the Ninth and Tenth Schedules to, the principal Regulations, and add new regulations 88A and 88B and Schedule 6A to the principal Regulations. Those amendments are mainly to require that the light sources of lamps (other than blue lamps or special purposes lamps) and direction indicators under Part VII of the principal Regulations must be electric bulbs, sealed beam lamps or light-emitting diodes (**LED**) modules. The new Schedule 6A sets out the respective specifications and standards for front lamps, headlamps, rear lamps, reversing lamps, amber lamps, direction indicators and stop lamps that are fitted with LED modules.
11. Section 22 amends the First Schedule to the principal Regulations to increase the maximum overall height specified for single-decked buses in that Schedule.

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Paragraph 12

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12. Sections 24 and 25 respectively amend the Seventh and Eighth Schedules to the principal Regulations to revise the requirements as to the position of rear lamps and reflectors on certain vehicles.
13. Section 28 adds new Schedules 20 and 21 to the principal Regulations to respectively set out the specifications and standards for AVAS as well as mirrors and CMS.