



Victoria Government Gazette

No. S 398 Friday 23 December 2016
By Authority of Victorian Government Printer

Transport (Compliance and Miscellaneous) Act 1983

DETERMINATION OF SPECIFICATIONS FOR TAXI-CAB SECURITY CAMERAS

1. I, Aaron De Rozario, Chief Executive Officer of the Taxi Services Commission (TSC), acting under delegation and pursuant to regulation 15(1) of the Transport (Buses, Taxi-Cabs and Other Commercial Passenger Vehicles) Regulations 2016, hereby:
 - (a) **REVOKE** all previous taxi-cab security camera specifications; and
 - (b) **DETERMINE** that the specifications outlined in this instrument apply to all security cameras installed and operating in taxi-cabs licensed under the **Transport (Compliance and Miscellaneous) Act 1983** to operate in the Melbourne Metropolitan taxi zone and/or the Urban and Large Regional taxi zone, on and from the date that this instrument is published in the Government Gazette.
2. The Australian Design Rules prevail over these Specifications to the extent of any inconsistency.

Dated 22 December 2016

AARON DE ROZARIO
Chief Executive Officer
Taxi Services Commission

SPECIFICATIONS FOR TAXI-CAB SECURITY CAMERAS

1 Definitions

Camera means the component of the camera system that captures images of the driver, passengers, etc. and will be separate from the control unit which contains the security camera logic and stores the images collected by the camera.

Camera System means all the security camera components as a whole including but not limited to: control unit, recording unit, camera heads, cables and any other components required to make the system operate correctly.

2 Camera system environmental requirements

- 2.1 The camera system must be operational in an environment over:
 - a. a temperature range of -5°C to $+60^{\circ}\text{C}$; and
 - b. a humidity range of 0 to 85 per cent relative humidity, non-condensing.
- 2.2 The camera system must be impact and shock resistant, sufficient to withstand the vibration experienced during the normal operation of a taxi-cab.
- 2.3 Images from the camera system must be capable of being recovered following loss of power to the camera system.
- 2.4 Any camera system connection points and components mounted to the exterior of the taxi-cab must meet or exceed the Ingress Protection Code 67 (IP67) rating.

3 Camera system operation

- 3.1 The camera system must be powered and fully operational when the vehicle ignition is on.
- 3.2 The boot time for the camera system from 'power on' to recording images must be less than 30 seconds.
- 3.3 The camera system must not allow any person to turn off or in any way disable the camera system.

SPECIAL

- 3.4 The camera system must have a visual indicator showing when the system is operational and when there is a malfunction. The visual indicator must be visible to the driver when seated in the normal driver position.
- 3.5 When 'powered on' the camera system must employ a self-test methodology to automatically detect and report functional faults.
- 3.6 The camera(s) (other than a camera(s) fitted to the exterior of a vehicle) must be visible to passengers in the vehicle.
- 3.7 The camera(s) (other than a camera(s) fitted to the exterior of a vehicle) must at all times provide a clear view of the taxi-cab driver and all passengers when seated in the vehicle, including their entire upper body from the waist to the top of the head.
- 3.8 The external camera(s) shall provide a view of any person approaching (from up to 2.4 metres and a minimum field of view of 70 degrees relative to the driver's window) or standing at the driver's window. To meet this requirement it may be necessary to install one or more internal cameras and one or more external cameras.
- 3.9 The camera system must be capable of one of the following:
 - a. record a minimum of five (5) frames per second for each camera head connected to the camera system; or
 - b. continuously record images if it is a video recorder.
- 3.10 The camera system must record continuously and store images for at least 72 hours.
- 3.11 The camera system must use non-volatile memory to store all captured images. If the camera system has removable memory then it must only be able to be removed by authorised persons.
- 3.12 The recording system must be configured so that the recording medium automatically commences re-recording when the medium has reached its recording capacity. The oldest images or footage must be overwritten first.
- 3.13 The camera system must continue to record for a period of 30 minutes after the ignition has been turned off.
- 3.14 The camera system must log all:
 - a. faults;
 - b. times the camera system has been accessed;
 - c. software updates; and
 - d. image downloads.

4 Images

- 4.1 Images from the camera system must comply with section 3.7 (Recommended object sizes) of Australian Standard AS 4806.2 – 2006 for closed circuit television (Part 2; Application guidelines) in relation to face identification of the driver and all passengers in the taxi-cab under all lighting conditions.
- 4.2 Images from the internal camera system must have a minimum resolution of 400 TV lines at 1.5 metres.
- 4.3 Images from the external camera(s) must have a minimum resolution of 250 TV lines at 2.4 metres.
- 4.4 The resolution and clarity of the recorded images from all cameras must be maintained under all lighting conditions from darkness (0 lux) through to bright sunlight (100,000 lux).

- 4.5 All images (either displayed on a computer device or printed) must have imprinted on them the following metadata (without obstructing the view of any occupant in a seated position in the vehicle):
- a. the vehicle registration number;
 - b. date and time in Universal Time Coordinated (UTC) within one second; and
 - c. location in coordinates of latitude and longitude accurate to within 25 metres 95 per cent of the time.

5 Accessing images

- 5.1 Access to camera system images must be restricted to:
- a. the supplier/agents of the supplier (for installation and maintenance purposes only); and
 - b. persons authorised under section 158B of the **Transport (Compliance and Miscellaneous) Act 1983**.
- 5.2 A person who supplies a camera system must provide software to the Taxi Services Commission that enables its authorised officers to access and download images from the camera system.
- 5.3 The software provided by the supplier must be able to operate on a commercial off-the-shelf computer device or the supplier must provide a download system to the Taxi Services Commission.
- 5.4 The download software must be password protected to prevent unauthorised viewing, recovery and/or reproduction of images.
- 5.5 If an image is stored on the hard drive of a computer, access to the image must be password protected so that it cannot be viewed, copied, deleted, printed or otherwise reproduced by an unauthorised person.
-

bluestar **PRINT**

The *Victoria Government Gazette* is published by Blue Star Print with the authority of the Government Printer for the State of Victoria

© State of Victoria 2016

This publication is copyright. No part may be reproduced by any process except in accordance with the provisions of the Copyright Act.

Address all enquiries to the Government Printer for the State of Victoria

Level 2, 1 Macarthur Street
Melbourne 3002
Victoria Australia

How To Order



**Retail &
Mail Sales**

Victoria Government Gazette

Level 5, 460 Bourke Street
Melbourne 3000
PO Box 1957 Melbourne 3001
DX 106 Melbourne



Telephone

(03) 8523 4601



Fax

(03) 9600 0478

email

gazette@bluestargroup.com.au

Price Code A