
First published in the *Government Gazette*, Electronic Edition, on 24th December 2004 at 5:00 pm.

No. S 768

**ROAD TRAFFIC ACT
(CHAPTER 276)**

**ROAD TRAFFIC (POWER-ASSISTED BICYCLES —
APPROVAL) RULES 2004**

ARRANGEMENT OF RULES

Rule

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In exercise of the powers conferred by sections 6 and 90 of the Road Traffic Act, the Land Transport Authority of Singapore hereby makes the following Rules:

Citation and commencement

1. These Rules may be cited as the Road Traffic (Power-Assisted Bicycles — Approval) Rules 2004 and shall come into operation on 1st January 2005.

Definitions

2. In these Rules —

“authorised examiner” means a person authorised by the Registrar under section 90(2) of the Act;

“EN 15194” means the European Standard EN 15194:2009 +A1:2011 titled “Cycles – Electrically power assisted cycles – EPAC Bicycles” approved by the European Committee for Standardization (called in this definition

“CEN”) on 22 November 2008 but does not include clause 4.2.4.3 in EN 15194:2009+A1:2011, and as amended by Amendment 1 approved by CEN on 8 October 2011;

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“power-assisted bicycle” means a bicycle that is equipped with an electric motor and that may be propelled by muscular power or by the electric motor with which it is equipped, or by both.

Power-assisted bicycles to be approved and sealed before use

3.—(1) No power-assisted bicycle shall be used on a road unless the power-assisted bicycle —

(a) complies with the specified requirements; and

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(b) has been approved and sealed by an authorised examiner in accordance with these Rules.

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(2) In this rule, “specified requirements” means —

(a) in the case of a power-assisted bicycle that has been approved and sealed by an authorised examiner before 1 December 2015 under these Rules, the requirements specified in Part 1 of the Schedule;

(b) in the case of a power-assisted bicycle that has been approved and sealed by an authorised examiner between 1 December 2015 and 31 January 2016 (both dates inclusive) under these Rules, the requirements specified in either Part 1 or 2 of the Schedule; and

(c) in any other case, the requirements specified in Part 2 of the Schedule.

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Approval of power-assisted bicycles

4.—(1) Any person who wishes to obtain an authorised examiner's approval in respect of any model of power-assisted bicycle shall apply to him for such approval in such form or manner as he may determine.

(2) An application under paragraph (1) shall be accompanied by such fee, information and documents as the authorised examiner may require.

(3) Upon receiving an application under paragraph (1), the authorised examiner shall —

- (a) examine the power-assisted bicycle in respect of which the application is made; and
- (b) approve the power-assisted bicycle if the authorised examiner is satisfied that the power-assisted bicycle —
 - (i) if examined before 1 December 2015, complies with the requirements specified in Part 1 of the Schedule;
 - (ii) if examined between 1 December 2015 and 31 January 2016 (both dates inclusive), complies with the requirements specified in either Part 1 or 2 of the Schedule; and
 - (iii) in any other case, complies with the requirements specified in Part 2 of the Schedule.

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Sealing of power-assisted bicycles

5.—(1) Every power-assisted bicycle that has been approved by an authorised examiner under rule 4 shall be affixed with such seal, mark or other device and in such manner as the Registrar may determine for the purpose of indicating that that power-assisted bicycle has been so approved.

(2) Any person who —

- (a) without the authority of the Registrar, removes or alters; or
- (b) forges, defaces, mutilates or tampers with,

any seal, mark or other device affixed to a power-assisted bicycle under paragraph (1) shall be guilty of an offence.

Waiver

6. The Registrar or an authorised officer may, in any particular case, waive the operation of any provision in the Schedule to these Rules subject to such conditions as the Registrar or the authorised officer may impose.

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THE SCHEDULE

Rules 3, 4 and 6

REQUIREMENTS TO BE COMPLIED WITH BY POWER-ASSISTED BICYCLE

PART 1

1. The aggregate maximum power output rating of the power-assisted bicycle's electric motor must not exceed 200 watts.
2. The maximum speed of the power-assisted bicycle must not exceed 25 km/h when solely propelled by its electric motor.
3. The electric motor of the power-assisted bicycle must be designed such as to —
 - (a) stop providing further power assistance when the power-assisted bicycle attains a speed of 25 km/h or more; and
 - (b) reduce and stop providing power assistance when the rider of the power-assisted bicycle stops pedalling.

PART 2

1. Subject to paragraphs 2 to 5 of this Part, the power-assisted bicycle must comply with the requirements set out in EN 15194.
2. The maximum continuous rated power of the power-assisted bicycle's electric motor must not exceed 250 watts.
3. The electric motor of the power-assisted bicycle must —
 - (a) progressively reduce power assistance as the speed of the power-assisted bicycle approaches the speed set out under paragraph 4(d)(i) or 25 km/h, whichever is the lower;

THE SCHEDULE — *continued*

- (b) stop providing power assistance when the power-assisted bicycle attains a speed of 25 km/h or more; and
 - (c) reduce and stop providing power assistance when the rider of the power-assisted bicycle stops pedalling.
4. The power-assisted bicycle must be legibly and permanently marked with the following information:
- (a) a successive frame number;
 - (b) the name of the manufacturer of the power-assisted bicycle or the manufacturer's representative;
 - (c) the words "EN 14764" and "EPAC";
 - (d) the words "According to EN 15194:" which are followed by words that specify —
 - (i) the speed, in km/h, at which the power-assisted bicycle's electric motor stops providing power assistance; and
 - (ii) the maximum continuous rated power, in watts, of the power-assisted bicycle's electric motor.
5. The unladen weight of the power-assisted bicycle must not exceed 20 kilograms.

[S 734/2015 wef 01/12/2015]

Made this 23rd day of December 2004.

MICHAEL LIM CHOO SAN
Chairman,
Land Transport Authority
of Singapore.

[LTA/LEG/EK/17.001.005; AG/LEG/SL/276/2002/5 Vol. 1]

(To be presented to Parliament under section 141(1) of the Road Traffic Act).