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First published in the *Government Gazette*, Electronic Edition, on 30 June 2021 at 5 pm.

**No. S 445**

**ROAD TRAFFIC ACT  
(CHAPTER 276)**

**ROAD TRAFFIC  
(POWER-ASSISTED BICYCLES — APPROVAL)  
(AMENDMENT) RULES 2021**

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

**Citation and commencement**

1. These Rules are the Road Traffic (Power-Assisted Bicycles — Approval) (Amendment) Rules 2021 and come into operation on 1 July 2021.

**Amendment of rule 2**

2. Rule 2 of the Road Traffic (Power-Assisted Bicycles — Approval) Rules 2004 (G.N. No. S 768/2004) (called in these Rules the principal Rules) is amended by deleting the definition of “EN 15194” and substituting the following definitions:

““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;

“Revised EN 15194” means the European Standard EN 15194:2017 titled “Cycles — Electrically power assisted cycles — EPAC Bicycles” approved by the European Committee for Standardization on 28 May

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2017 but does not include clause 4.2.12 in EN 15194:2017.”.

### **Amendment of rule 3**

3. Rule 3(2) of the principal Rules is amended —

(a) by deleting the word “and” at the end of sub-paragraph (b); and

(b) by deleting sub-paragraph (c) and substituting the following sub-paragraphs:

“(c) in the case of a power-assisted bicycle that has been approved and sealed by an authorised examiner between 1 February 2016 and 30 June 2021 (both dates inclusive) under these Rules, the requirements specified in Part 2 of the Schedule; and

(d) in any other case, the requirements specified in Part 3 of the Schedule.”.

### **Amendment of rule 4**

4. Rule 4(3) of the principal Rules is amended —

(a) by deleting the word “and” at the end of sub-paragraph (b)(ii); and

(b) by deleting sub-paragraph (iii) of sub-paragraph (b) and substituting the following sub-paragraphs:

“(iii) if examined between 1 February 2016 and 30 June 2021 (both dates inclusive), complies with the requirements specified in Part 2 of the Schedule; and

(iv) in any other case, complies with the requirements specified in Part 3 of the Schedule.”.

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## Amendment of Schedule

5. The Schedule to the principal Rules is amended —

- (a) by deleting “EN 15194” in paragraph 1 of Part 2 and substituting the words “either EN 15194 or Revised EN 15194”; and
- (b) by inserting, immediately after Part 2, the following Part:

“PART 3

1. Subject to paragraphs 2 to 5 of this Part, the power-assisted bicycle must comply with the requirements set out in Revised 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 lower of the following:

(i) 25 km/h;

(ii) the speed at which the power-assisted bicycle’s electric motor is designed to stop providing power assistance;

(b) stop providing power assistance when the speed of the power-assisted bicycle reaches or exceeds the lower of the following:

(i) 25 km/h;

(ii) the speed at which the power-assisted bicycle’s electric motor is designed to stop providing power assistance; and

(c) reduce and stop providing power assistance when the rider of the power-assisted bicycle stops pedalling.

4. The power-assisted bicycle must not be equipped with any throttle or start-up assistance feature.

5. The unladen weight of the power-assisted bicycle must not exceed 20 kilograms.”.

Made on 29 June 2021.

CHAN HENG LOON ALAN  
*Chairman,*  
*Land Transport Authority of*  
*Singapore.*

[LTA/L18.029.002/AP/DT/EN15194.21.01.;  
AG/LEGIS/SL/276/2020/22 Vol. 1]

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