

Pursuant to Article 9(1) and (5), Article 11(5) and for the implementation of Article 12 of the Metrology Act (Official Gazette of the Republic of Slovenia [*Uradni List RS*] No 26/05 – official consolidated text) the Minister for the Economy, Tourism and Sport is issuing the following

**RULES AMENDING THE RULES ON METROLOGICAL REQUIREMENTS FOR SPEED  
MEASURING DEVICES IN ROAD TRAFFIC**

**Article 1**

Second paragraph of Article 1 of the Rules on metrological requirements for speed measuring devices in road traffic (Official Gazette of the Republic of Slovenia [*Uradni List RS*] No 91/15) is deleted.

**Article 2**

A new Article 1.a is added to read as follows:

‘Article 1.a

(1) These Rules have been issued with regard to the information procedure under Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of rules on Information Society services (codification) (OJ L 241, 17. 9. 2015, p. 1).’.

(2) The provisions of these Rules shall not apply to products that are legally produced or marketed in other Member States of the European Union and Turkey or produced in the countries of the European Free Trade Association (EFTA), which are also signatories to the Agreement on the European Economic Area, in accordance with national legislation ensuring an equivalent level of protection of the public interest as determined by the legislation of the Republic of Slovenia.

(3) These Rules shall be implemented in accordance with Regulation (EU) 2019/515 of the European Parliament and of the Council of 19 March 2019 on the mutual recognition of goods lawfully marketed in another Member State and repealing Regulation (EC) No 764/2008 (OJ L 91, 29. 3. 2019, p. 1).

**Article 3**

Indents 26 and 34 of Article 2 of the Rules on metrological requirements for speed measuring devices in road traffic are deleted.

At the end of the Article, ‘full stop’ is replaced by ‘semicolon’ and three new indents are added to read as follows:

— “gauge” means the part of the speed measurement device which allows the measurement axis of the speed measuring device to be aligned to the vehicle being measured and must reflect the permissible position and expansion of the measuring beam;  
— “individual vehicle speed measuring device” means a speed measuring device which, on the basis of its mode of operation, can simultaneously measure and document the speed of only one vehicle;  
— “multi-vehicle speed measuring device” means a speed measuring device which, on the basis of its mode of operation, is capable of simultaneously monitoring, measuring and documenting the speed of several vehicles.’.

**Article 4**

Article 18(3) is amended to add at the end of the paragraph the following text:  
‘or after movement of the vehicle by at least 10 metres.’.

**Article 5**

Article 19 deletes the wording of the last indent ‘and the speed difference between the measuring vehicle and the measured vehicle’, the colon and the first indent, so that the article reads as follows:

'Documented measurement of speed when measured from a moving point with speed measuring devices, except for speed measuring devices according to the principle of tracking, shall include, in addition to the requirements of Article 17 of these Rules, the speed of the measuring vehicle at the time of the measurement.'

#### **Article 6**

Article 26 is amended to read as follows:

'Article 26  
(requirements for test interface)

(1) Speed measuring devices shall be equipped with a test interface enabling the speed measuring device to be operated and to obtain the data or signals necessary to carry out conformity assessment, verification and metrological control.

(2) The test interface shall provide access to at least the following data:

- measured speed,
- measured distance or position of the measured vehicle (for speed measuring devices where the principle of measurement allows this),
- measured vehicle's own speeds (for speed measuring devices measuring from a moving point),
- unique identification of the speed measuring device and its components,
- the identification of the speed measuring device software and its control sum, and
- the result of self-checking.

(3) The test interface shall be protected against unauthorised interference.'

#### **Article 7**

Article 29 is amended to read as follows:

'Article 29  
(additional requirements for radar speed measuring devices measuring an individual vehicle)

(1) The individual carrier frequency of the radar speed measuring device measuring an individual vehicle shall not deviate more than  $\pm 0.15$  % from the nominal value specified by the manufacturer.

(2) The width of the radar speed measuring device measurement beam measuring an individual vehicle shall not deviate from the beam width specified by the manufacturer.

(3) The centreline of the radar speed measuring device antenna measuring beam shall not deviate more than  $\pm 1^\circ$  from the centreline of the antenna.'

#### **Article 8**

After Article 29 a new Article 29.a is inserted as follows:

'Article 29.a  
(additional requirements for multi-vehicle radar speed measuring devices)

Multi-vehicle radar speed measuring devices shall, for the purposes of laboratory and field testing, demonstrate the position and distance of the vehicle being measured from the speed measuring device.'

#### **Article 9**

Article 30 is amended to read as follows: '

### Article 30

(additional requirements for laser speed measuring devices measuring an individual vehicle)

- (1) The frequency of transmitted laser speed measuring device pulses measuring an individual vehicle shall not deviate more than  $\pm 1\%$  from the nominal value specified by the manufacturer.
- (2) A laser measuring device measuring an individual vehicle shall indicate the distance of the measured vehicle with a division of not more than 0.1 m. The measured distance of the measured vehicle shall not deviate more than  $\pm 0.2$  m from the true value at a distance of up to 50 metres or 0.4 % for distances greater than 50 m.
- (3) The maximum permissible distance of the measured vehicle when measured with a laser speed measuring device measuring an individual vehicle shall be 1 000 m.
- (4) The maximum permissible spatial angle of the laser speed measuring device measurement beam measuring an individual vehicle in a horizontal and vertical direction shall be 3 mrad.
- (5) The shape of the laser speed measuring device measurement measuring an individual vehicle shall clearly show the limit of 3 mrad.
- (6) The gauge of the laser speed measuring device measuring an individual vehicle shall be clearly visible to the naked eye and with measuring equipment for checking the alignment of the gauge and the measurement beam.
- (7) The laser speed measuring device measurement beam measuring an individual vehicle shall be fully located within the limits of the gauge.
- (8) Laser speed measuring devices measuring an individual vehicle shall be equipped with at least two magnifications of the field of vision of the gauge for measuring the speed of the measured vehicle at a distance of 300 m to 600 m and for measurements at a distance of more than 600 m at least three times the field of vision of the gauge. The magnification can be integrated into the speed measuring device or can be performed as a separate attachment, which must bear the same serial number as the speed measuring device.
- (9) A laser speed measuring device measuring an individual vehicle shall permit a 0 km/h speed measurement test at a fixed target.'

### Article 10

After Article 30 a new Article 30.a is inserted as follows:

'Article 30.a  
(additional requirements for multi-vehicle laser speed measuring devices)

Multi-vehicle laser speed measuring devices shall, for laboratory and field testing purposes, show the position and distance of the vehicle being measured from the speed measuring device.'

### Article 11

In Article 32, in the third paragraph, the text 'and must be at least 200 times longer than the length of the area of identification' is deleted.

Paragraph five is amended to read as follows:

'(5) The beginning and end of the measuring section shall be marked by a retro-reflective strip across the whole road and by means of wedges of measurement along the road surface. The retro-reflective tape shall be visible on a documented measurement together with the vehicle being measured.'

## **Article 12**

After Article 37 a new Article 37.a is inserted as follows:

‘Article 37.a  
(additional codes)

(1) The Metrology Institute of the Republic of Slovenia may affix additional identification marks to the speed measuring devices for their identification in the verification procedures.

(2) Holders of speed measuring devices shall not remove the markings referred to in the preceding paragraph of this Article.’.

## **Article 13**

After Article 39 a new Article 39.a is inserted as follows:

‘Article 39.a  
(specific measuring equipment and access to the criterion)

(1) In the event that it is necessary to use dedicated hardware, software, connection cables or interfaces that are not freely available on the market or which are protected by copyright for testing the framework of conformity assessment and authentication procedures, the manufacturer shall be obliged to provide this equipment and leave it free of charge to the Metrology Institute of the Republic of Slovenia.

(2) The manufacturer is obliged to ensure the highest level of access to the software and free access to the speed measuring device hardware.’.

## **Article 14**

In Article 42, the word ‘minimum’ shall be added at the end of the introductory sentence before the colon.

A second paragraph is added to read as follows:

‘(2) In case of doubt as to the conformity of the speed measuring device with the requirements of these Rules, other examinations and tests may be carried out in order to confirm compliance with the requirements laid down in first paragraph of this Article.’.

## **Article 15**

Article 44 shall be amended to read as follows:

‘Article 44

(1) Radar speed measuring devices shall be subjected to a measurement accuracy test with respect to the requirements of Articles 5 and 6 of this Regulation at least 10 measuring points.

(2) When testing the accuracy of the radar speed measuring device, the performance of the transmitting and receiving antennas shall be checked simultaneously.

(3) For radar speed measuring devices measuring an individual vehicle, compliance with the requirements of Article of these Rules shall be verified.

(4) The measurement beam width shall be checked in the case of radar speed measuring devices measuring an individual vehicle under the following conditions:

- at attenuation of –3 dB relative to the maximum power value of the signal transmitted; and

- based on an overview of the overall antenna beam diagram drawn relative from  $-45^{\circ}$  to  $+45^{\circ}$ , where the remaining peaks of the measuring beam shall be attenuated by at least  $-15$  dB relative to the basic signal.

(5) For multi-vehicle radar speed measuring devices at the same time, the correctness of the positioning of the vehicle referred to in Article 29.a of these Rules shall be verified.'

#### **Article 16**

In first paragraph of Article 45 the comma and the text 'equally arranged across the entire speed measuring device measuring area' at the end of paragraph are deleted.

The second and third paragraphs are amended to read as follows:

'(2) For laser speed measuring devices measuring an individual vehicle, compliance with the requirements of the first, second, fourth and seventh paragraphs and of these Rules shall be verified.

(3) For multi-vehicle laser speed measuring devices at the same time, the correctness of the positioning of the vehicle referred to in Article 30.a of the Rules shall be verified.'

#### **Article 17**

The first paragraph of Article 46 is amended to read as follows:

'(1) For detection speed measuring devices it is necessary to carry out a measurement accuracy test with respect to the requirements of Article 6 of these Rules by laboratory testing in at least 10 measuring points or according to the requirements of Article 5 of these Rules by field testing at 3 measuring points with a fully integrated detection speed measuring device test with vehicle driving. Measurements must be carried out successfully in no more than 5 drives.'

After first paragraph a new second paragraph is added to read as follows:

'(2) Detection speed measuring devices with position detectors installed on the road surface shall be subject to field testing.'

The previous second paragraph becomes the third paragraph.

#### **Article 18**

In Article 47 first paragraph is amended to read:

'(1) For section speed measuring devices a measurement accuracy test with respect to the requirements of Article 5 shall be carried out by means of field testing on at least three measuring points with the test of a fully integrated section speed measuring device by driving the vehicle. Measurements must be carried out successfully in no more than 5 drives.'

#### **Article 19**

In Article 48 the text 'according to the requirements of Article 6 of these Rules' shall be added after the text 'measurement accuracy' and the words 'at least 10 own speeds' shall be added after the words 'or as required by Article 5 of these Rules'.

Article 48 shall be amended to read as follows:

'Article 48

Tracking-based speed measuring devices shall be subjected to a test of measurement accuracy with respect to the requirements of Article 6 of these Rules by laboratory testing with at least 10 own

speeds or according to the requirements of Article 5 of this Regulation by testing in the field at minimally one own speed based on constant speed driving of the measuring vehicle, without the initial and final stopping of the measuring vehicle.’

#### **Article 20**

Paragraph 49 is amended to read as follows:

‘Article 49

(special tests for speed measuring devices measuring from a moving point, except for tracking-based measuring devices)

For speed measuring devices measuring from a moving point, except for tracking-based speed measuring devices, tests on the measurement accuracy of the measured vehicle speed and measurement of the vehicle’s own speed according to the requirements of Article 6 of these Rules shall be carried out separately by laboratory testing at 10 measuring points or with respect to the requirements of Article 5 of this Regulation with field testing at least 3 points.’

#### **Article 21**

In Article 55, before the comma after the text ‘cosine phenomenon’ the text ‘and not measuring the distance to the vehicle or the angle of travel of the vehicle relative to the speed measuring device’ is deleted and the text ‘with conversion to a single selected angle’ is added.

#### **Article 22**

Article 57 of the Rules is deleted.

### **I. TRANSITIONAL AND FINAL PROVISIONS**

#### **Article 23**

(placing on the market and initial verification)

Speed measuring devices which, on the date of entry into force of these Rules, have a valid type approval on the basis of the Rules on metrological requirements for speed measuring devices in road traffic (Official Gazette of the Republic of Slovenia [*Uradni List RS*] Nos 25/02 and 90/05) or the Rules on metrological requirements for speed measuring devices in road traffic (Official Gazette of the Republic of Slovenia [*Uradni List RS*] No 91/15) may be placed on the market and initial verification under these Rules until the expiry of the type approval, provided that they meet the requirements of these Rules relating to the initial verification.

#### **Article 24**

(submitting to regular and extraordinary verification)

Speed measuring devices in use on the date of entry into force of these Rules and having a valid initial verification or regular verification on the basis of the Rules on metrological requirements for speed measuring devices in road traffic (Official Gazette of the Republic of Slovenia [*Uradni List RS*] Nos 25/02 and 90/05) or the Rules on metrological requirements for speed measuring devices in road traffic (Official Gazette of the Republic of Slovenia [*Uradni List RS*] No 91/15) may be submitted to regular or extraordinary verification on the basis of these Rules, provided that they meet the requirements of these Rules relating to regular verification.

#### **Article 25**

(procedures pending)

The procedures initiated prior to entry into force of these Rules shall be completed in accordance with the provisions hereof.

**Article 26**  
(entry into force)

These Rules enter into force on the fifteenth day after their publication in the Official Gazette of the Republic of Slovenia.

No .....  
Ljubljana, on...  
EVA: 2023-2180-0012

Matjaž Han  
Minister of the Economy, Tourism and Sport