

COMMISSION IMPLEMENTING REGULATION (EU) 2022/1177**of 7 July 2022****amending Implementing Regulation (EU) 2020/683 by introducing and updating, in the templates for the information document and certificate of conformity in paper format, the entries as regards certain safety systems, and adjusting the numbering system for the approval certificates for a type of vehicle, system, component or separate technical unit****(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) 2018/858 of the European Parliament and of the Council of 30 May 2018 on the approval and market surveillance of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles, amending Regulations (EC) No 715/2007 and (EC) No 595/2009 and repealing Directive 2007/46/EC ⁽¹⁾, and in particular Articles 24(4), 28(3), 36(4) and 38(3) thereof,

Whereas:

- (1) Commission Implementing Regulation (EU) 2020/683 ⁽²⁾ provides for a standardised format of the documents used for the type-approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles by laying down the templates for the information document, the EU individual vehicle approval certificates and the certificates of conformity in paper format.
- (2) The templates for the information documents, contained in Annexes I and II to Implementing Regulation (EU) 2020/683, should be modified to take into account the new requirements introduced by Regulation (EU) 2019/2144 of the European Parliament and of the Council ⁽³⁾ and the regulatory acts adopted pursuant to it.
- (3) To allow for a consistent approach with regard to the numbering of the approval certificates, it is further necessary to amend the numbering system set out in Annex IV to Implementing Regulation (EU) 2020/683 to reflect the regulatory development under Regulation (EU) 2019/2144.
- (4) It is also appropriate to amend Annex V to Implementing Regulation (EU) 2020/683 setting out the model for the EU type-approval mark for components and separate technical units by updating the reference to Regulation (EU) 2019/2144.
- (5) Regulation (EU) 2019/2144 requires new vehicles to be equipped with advanced safety systems, including the emergency lane-keeping assistance, intelligent speed assistance, driver drowsiness and attention warning systems, and the event data recorder. It is appropriate to require that the certificate of conformity indicates which systems are fitted in the vehicle. It is therefore necessary to add the relevant entries to the templates for the certificate of conformity in paper format set out in Annex VIII to Implementing Regulation (EU) 2020/683.
- (6) Implementing Regulation (EU) 2020/683 should therefore be amended accordingly.

⁽¹⁾ OJ L 151, 14.6.2018, p. 1.

⁽²⁾ Commission Implementing Regulation (EU) 2020/683 of 15 April 2020 implementing Regulation (EU) 2018/858 of the European Parliament and of the Council with regards to the administrative requirements for the approval and market surveillance of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles (OJ L 163, 26.5.2020, p. 1).

⁽³⁾ Regulation (EU) 2019/2144 of the European Parliament and of the Council of 27 November 2019 on type-approval requirements for motor vehicles and their trailers, and systems, components and separate technical units intended for such vehicles, as regards their general safety and the protection of vehicle occupants and vulnerable road users (OJ L 325, 16.12.2019, p. 1).

- (7) In order to provide approval authorities, market surveillance authorities and registration authorities of the Member States, and the manufacturers with sufficient time to implement the amendments to the certificate of conformity in paper format in their respective systems, the date of application of Annex V should be deferred.
- (8) The measures provided for in this Regulation are in accordance with the opinion of the Technical Committee – Motor Vehicles,

HAS ADOPTED THIS REGULATION:

Article 1

Amendments to Implementing Regulation (EU) 2020/683

Implementing Regulation (EU) 2020/683 is amended as follows:

- (1) Annex I is amended in accordance with Annex I to this Regulation;
- (2) Annex II is amended in accordance with Annex II to this Regulation;
- (3) Annex IV is amended in accordance with Annex III to this Regulation;
- (4) Annex V is amended in accordance with Annex IV to this Regulation;
- (5) Annex VIII is amended in accordance with Annex V to this Regulation.

Article 2

Entry into force and application

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

Annex V shall apply from 1 January 2024.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 7 July 2022.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX I

Annex I to Regulation (EU) 2020/683 is amended as follows:

(1) the explanatory notes are amended as follows:

(a) explanatory note ⁽¹²⁾ is replaced by the following:

‘⁽¹²⁾ In accordance with the definitions in Annex XIII, Part 2, Section A, points 1.24 (wheelbase) and 1.25 (axle spacing) to Commission Implementing Regulation (EU) 2021/535 of 31 March 2021 laying down rules for the application of Regulation (EU) 2019/2144 of the European Parliament and of the Council as regards uniform procedures and technical specifications for the type-approval of vehicles, and of systems, components and separate technical units intended for such vehicles, as regards their general construction characteristics and safety (OJ L 117, 6.4.2021, p. 1). In the case of a centre-axle trailer, the axis of the coupling shall be considered as the foremost axle.’;

(b) explanatory note ⁽¹⁴⁾ is replaced by the following:

‘⁽¹⁴⁾ Commission Implementing Regulation (EU) 2021/535 of 31 March 2021 laying down rules for the application of Regulation (EU) 2019/2144 of the European Parliament and of the Council as regards uniform procedures and technical specifications for the type-approval of vehicles, and of systems, components and separate technical units intended for such vehicles, as regards their general construction characteristics and safety (OJ L 117, 6.4.2021, p. 1)’;

(c) explanatory note ⁽¹⁸⁾ is replaced by the following:

‘⁽¹⁸⁾ Term No 6.1, and for vehicles other than those of category M1: Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section F. In the case of trailers, the lengths shall be specified as mentioned in term No 6.1.2 of Standard ISO 612:1978’.

(d) explanatory notes ⁽²⁰⁾ and ⁽²¹⁾ are replaced by the following:

‘⁽²⁰⁾ Term No 6.2 and for vehicles other than those of category M1: Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section F.

‘⁽²¹⁾ Term No 6.3 and for vehicles other than those of category M1: Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section F.’;

(e) explanatory note ⁽³⁰⁾ is replaced by the following:

‘⁽³⁰⁾ As defined in point 1.3. of Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section A.’;

(f) explanatory note ⁽¹²²⁾ is replaced by the following:

‘⁽¹²²⁾ Commission Implementing Regulation (EU) 2021/646 of 19 April 2021 laying down rules for the application of Regulation (EU) 2019/2144 of the European Parliament and of the Council as regards uniform procedures and technical specifications for the type-approval of motor vehicles with regard to their emergency lane-keeping systems (OJ L 133, 20.4.2021, p. 31)’;

(g) explanatory note ⁽¹²³⁾ is replaced by the following:

‘⁽¹²³⁾ Commission Delegated Regulation (EU) 2021/1243 of 19 April 2021 supplementing Regulation (EU) 2019/2144 of the European Parliament and of the Council by laying down detailed rules concerning the alcohol interlock installation facilitation in motor vehicles and amending Annex II to that Regulation (OJ L 272, 30.7.2021, p. 11)’;

(h) explanatory note ⁽¹²⁴⁾ is replaced by the following:

‘⁽¹²⁴⁾ UN Regulation No 13 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking [2016/194] (OJ L 42, 18.2.2016, p. 1).’;

(i) explanatory note ⁽¹⁵⁷⁾ is replaced by the following:

‘⁽¹⁵⁷⁾ Entries 4 and 4.1 shall be completed in accordance with the definitions laid down in points 1.24 (wheelbase) and 1.25 (axle spacing), respectively, of Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section A.’;

(j) explanatory note ⁽¹⁷⁴⁾ is replaced by the following:

‘⁽¹⁷⁴⁾ For the term coupling point numbered “0” see Implementing Regulation (EU) 2021/535, Annex II, Part 2, Section A, point 1.3.1.2.’;

(k) explanatory notes ⁽³¹⁾, ⁽⁵⁵⁾, ⁽⁷⁹⁾, ⁽⁸⁹⁾, ⁽⁹⁰⁾ and ⁽⁹¹⁾ are deleted;

(l) the following new explanatory note ⁽¹⁸¹⁾ is added:

‘⁽¹⁸¹⁾ Systems approved in accordance with the requirements set out in the regulatory acts listed in Annex II to Regulation (EU) 2018/858. The acronyms correspond to the systems referred to in points 6.7.; 7.4., 8.12, 10.1.1., 12.2.4., 12.6.5., 12.8., 12.11., 12.12., 12.13., 12.16., 12.17. and 17.’;

(2) point 2.2.1.3. is replaced by the following:

‘2.2.1.3. Semi-trailer reference wheelbase (as required by Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section E, point 3.2.’;

(3) point 2.6.2. is replaced by the following:

‘2.6.2. Mass of the optional equipment (see definition in Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section A. point 1.4.’;

(4) the following points 2.11.4.1. and 2.11.4.2. are inserted:

‘2.11.4.1. Maximum ratio of the coupling overhang ⁽³⁴⁾ to the wheel base: ...

2.11.4.2. Maximum V-value: kN.’;

(5) point 2.13. is replaced by the following:

‘2.13. Rear swing-out (Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section C, point 8 and Section D, point 7 respectively)’;

(6) point 2.14.1. is replaced by the following:

‘2.14.1. Engine power/technically permissible maximum laden mass of the combination ratio (Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section C, point (6): kW/kg.’;

(7) point 3.2.18.1. is replaced by the following:

‘3.2.18.1. The number of the type-approval certificate(s): ...’;

(8) point 4.11.2. is replaced by the following:

‘4.11.2. Information as referred to in Implementing Regulation (EU) 2021/535, Annex IX, Part 2, point 7.6. (manufacturer’s declared value)’;

(9) the following points 4.11.4., 4.11.5. and 4.11.6. are inserted:

‘4.11.4. Information as referred to in Implementing Regulation (EU) 2021/535, Annex IX, Part 2, point 6.1.1.: ...

4.11.5. Information as referred to in Implementing Regulation (EU) 2021/535, Annex IX, Part 2, point 6.1.2.: ...

4.11.6. Information on the GSI in the vehicle’s user manual: ...’;

(10) the following points 6.7., 6.7.1. and 6.7.2. are inserted:

‘6.7. Tyre pressure monitoring system (TPMS)

6.7.1. Presence: yes/no ⁽⁴⁾

6.7.2. Detailed description of the tyre pressure monitoring system: ...’;

(11) the following points 7.4. to 7.6.3. are inserted:

‘7.4. Emergency lane-keeping system (ELKS)

7.4.1. Presence: yes/no ⁽⁴⁾

7.4.2. Technical description and drawing of the system: ...

7.4.3. Means to manually deactivate the ELKS

7.4.4. Description of the automatic deactivation (if fitted): ...

7.4.5. Description of the automatic suppression (if fitted): ...

7.5. Lane Departure Warning System (LDWS)

7.5.1. Presence: yes/no ⁽⁴⁾

7.5.2. Speed range of the LDWS: ...

7.5.3. Technical description and drawing of the LDWS: ...

7.6. Corrective Directional Control Function (CDCF)

7.6.1. Presence: yes/no ⁽⁴⁾

7.6.2. Speed range of the CDCF: ...

7.6.3. Technical description and drawing of the system (in particular if the system uses steering or braking): ...’;

(12) point 8.6. is replaced by the following:

‘8.6. Calculation and curves in accordance with Regulation No 13 of the Economic Commission for Europe of the United Nations (UN/ECE) ⁽¹²⁴⁾, Annex 10 or Annex 14, if applicable, or with UN Regulation 13-H of the Economic Commission for Europe of the United Nations (UN/ECE) ⁽¹²⁵⁾, Annex 5 respectively: ...’;

(13) point 8.9. is replaced by the following:

‘8.9. Brief description of the braking system as referred to in UN Regulation No 13, Annex 2, paragraph 12 or in UN Regulation 13-H, Annex 1, paragraph 14 respectively: ...’;

(14) the following points 8.12., 8.12.1. and 8.12.2. are inserted:

‘8.12. Advanced emergency braking system (AEBS)

8.12.1. Presence: yes/no ⁽⁴⁾

8.12.2. Detailed description of the AEBS: ...’;

(15) points 9.14. to 9.14.4. are replaced by the following:

‘9.14. Spaces for mounting front and rear registration plates (give ranges where appropriate, drawings may be used where applicable): ...

9.14.1. Height above road surface, lower and upper edges: ...

9.14.2. Lateral location, left and right edges: ...

9.14.3. Number of standard registration plate spaces: ...

9.14.4. Number of optional or alternative registration plate spaces: ...';

(16) the following points are inserted after point 9.14.5.:

'9.14.5.1. Front registration plate space: ...

9.14.5.2. Rear registration plate space: ...

9.14.5.3. Second rear registration plate space (in case of vehicles of category O₂, O₃ and O₄): ...

9.14.5.4. Optional or alternative registration plate spaces: ...';

(17) points 9.14.6. and 9.14.7. are replaced by the following:

'9.14.6. Inclinations of the plates to the vertical: ...

9.14.7. Angles of visibility from upper, lower, left and right edges: ...';

(18) point 9.16.2. is replaced by the following:

'9.16.2. Detailed drawings of the wheel guards and their position on the vehicle showing the dimensions specified in Implementing Regulation (EU) 2021/535, Annex V, Part 2, Figure 1 and taking account of the extremes of tyre/wheel combinations: ...';

(19) points 9.17.4. and 9.17.4.1. are replaced by the following:

'9.17.4. Manufacturer's declaration of compliance with the requirements set out in Implementing Regulation (EU) 2021/535, Annex II, Part 2: ...

9.17.4.1. The meaning of characters in the vehicle descriptor section (VDS) of the vehicle identification number (VIN) and, if applicable, the vehicle indicator section (VIS) thereof, to comply with the requirements of Section 5.3. of ISO Standard 3779:2009 shall be explained: ...';

(20) the following point 9.17.4.3. is inserted:

'9.17.4.3. Statutory plate for vehicle built-in multi stage: yes/no (*)';

(21) point 9.20.2. is replaced by the following:

'9.20.2. Detailed drawings of the spray suppression system and its position on the vehicle showing the dimensions specified in the figures in the Appendix to Implementing Regulation (EU) 2021/535, Annex VIII, Part 2 and taking account of the extremes of tyre/wheel combinations: ...';

(22) point 9.25.1. is replaced by the following:

'9.25.1. Detailed technical description (including photographs and drawings, as well as description of the materials) of the vehicle parts referred to in Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section D, point 1.4: ...';

(23) the following point 10.1.1. is inserted:

'10.1.1. Emergency stop signal (ESS): yes/no (*)';

(24) the following points 12.2.4., 12.2.4.1. and 12.2.4.2 are inserted:

‘12.2.4. Alcohol interlock installation facilitation (AIF)

12.2.4.1. Manufacturer’s declaration of compliance, in accordance with Annex I to Delegated Regulation (EU) 2021/1243⁽¹²³⁾: ...’;

12.2.4.2. Installation document as regards alcohol interlock installation facilitation’;

(25) the following points 12.6.5. to 12.6.5.5 are inserted:

‘12.6.5. Intelligent speed assistance (ISA) system

12.6.5.1. Presence: yes/no (*)

12.6.5.2. Speed limit information function (SLIF)

12.6.5.2.1. Detailed description of the SLIF interface: ...

12.6.5.2.2. Perceived speed limit determination methodology and technology: ...

12.6.5.3. Speed limit warning function (SLWF)

12.6.5.3.1. Detailed description of the SLWF feedback mechanisms: ...

12.6.5.3.2. Detailed description of the SLWF visual warning, if applicable: ...

12.6.5.4. Detailed description of the speed control function (SCF): ...

12.6.5.5. Type-approval number of the ISA system as separate technical unit, if applicable: ...’;

(26) the following points 12.11. to 12.17.3. are inserted:

‘12.11. Driver drowsiness and attention warning (DDAW) system

12.11.1. Presence: yes/no (*)

12.11.2. Detailed description of the DDAW system: ...

12.11.3. Detailed description of the visual warning of the DDAW system: ...

12.12. Advanced driver distraction warning (ADDW) system

12.12.1. Presence: yes/no (*)

12.12.2. Detailed description of the ADDW system: ...

12.12.3. Detailed description of the technical means of distraction avoidance, if applicable: ...

12.13. Blind spot information system (BSIS)

12.13.1. Presence: yes/no (*)

12.13.2. Detailed description of the blind spot information system: ...

12.13.3. Type-approval number of the BSIS approved as separate technical unit, if applicable: ...

12.14. Cyber security

- 12.14.1. General construction characteristics of the vehicle type, including:
 - (a) the vehicle systems which are relevant to the cybersecurity of the vehicle type;
 - (b) the components of those systems that are relevant to cybersecurity;
 - (c) the interactions of those systems with other systems within the vehicle type and external interfaces
- 12.14.2. Schematic representation of the vehicle type: ...
- 12.14.3. The number of the certificate of compliance for cybersecurity management system: ...
- 12.14.4. Documents for the vehicle type to be approved describing the outcome of its risk assessment and the identified risks: ...
- 12.14.5. Documents for the vehicle type to be approved describing the mitigations that have been implemented on the systems listed, or to the vehicle type, and how they address the stated risks: ...
- 12.14.6. Documents for the vehicle type to be approved describing protection of dedicated environments for aftermarket software, services, applications or data: ...
- 12.14.7. Documents for the vehicle type to be approved describing what tests have been used to verify the cybersecurity of the vehicle type and its systems and the outcome of those tests: ...
- 12.14.8. Description of the consideration of the supply chain with respect to cybersecurity: ...
- 12.15. Software update
 - 12.15.1. General construction characteristics of the vehicle type: ...
 - 12.15.2. The number of the Certificate of Compliance for Software Update Management System: ...
 - 12.15.3. Security measures
 - 12.15.3.1. Documents for the vehicle type to be approved describing that the update process will be performed securely: ...
 - 12.15.3.2. Documents for the vehicle type to be approved describing that the RXSWINs on a vehicle are protected against unauthorized manipulation: ...
 - 12.15.4. Software updates over the air
 - 12.15.4.1. Documents for the vehicle type to be approved describing that the update process will be performed safely: ...
 - 12.14.4.2. Description of the means of informing vehicle users about an update before and after its execution: ...
 - 12.15.5. Manufacturer's declaration of compliance with the requirements for Software Update Management System: ...
- 12.16. Event data recorder (EDR)
 - 12.16.1. Presence: yes/no (*)
 - 12.16.2. Drawing(s) or photographs showing the location and method of attachment of the EDR in the vehicle:
 - 12.16.3. Description of the triggering parameter: ...

12.16.4. Description of any other relevant parameter (storing capacity, resistance to high deceleration and mechanical stress of a severe impact, etc.): ...

12.16.5 The data elements and data format stored in the EDR:

Data element	Recording interval/time (relative to time zero)	Data sample rate (samples per second)	Minimum range	Accuracy	Resolution

12.16.6. Instructions for retrieving data from the EDR: ...

12.16.6.1. Description of the method to report information required under Article 4(3)(b) of Commission Delegated Regulation (EU) 2022/545 (*): manual/automated (*)

12.16.7. Compliance to UN Regulation No 160 technical requirements:

12.16.7.1 UN Regulation No 160 approval number: ...

12.16.8. Type-approval number of the EDR approved as separate technical unit, if applicable (to be completed if approval under UN Regulation No 160 is not obtained and referred to in point 12.16.7.1.): ...

12.17. Driver availability monitoring (DAM) system

12.17.1. Presence: yes/no (*)

12.17.2. Methods to detect driver availability: ...

12.17.3. Written description and/or drawing of the information given to the driver: ...

(*) OJ L 107, 6.4.2022, p. 18;

(27) The following points 17. to 17.11. are added:

‘17. AUTOMATED DRIVING SYSTEM (ADS): yes/no (*)

17.1. General ADS description: ...

17.1.1. Operational Design Domain/Boundary conditions: ...

17.1.2. Basic Performance (e.g. Object and Event Detection and Response (OEDR), planning, etc.): ...

17.2. Description of the functions of the ADS:

17.2.1. Main ADS Functions (functional architecture): ...

17.2.1.1. Vehicle-internal functions: ...

17.2.1.2. Vehicle-external functions (e.g. backend, off-board infrastructure needed, operational measures needed): ...

17.3. Overview major components of the ADS

17.3.1. Control units: ...

17.3.2. Sensors and installation of the sensors on the vehicle: ...

- 17.3.3. Actuators: ...
- 17.3.4. Maps and positioning: ...
- 17.3.5. Other hardware: ...
- 17.4. ADS layout and schematics
 - 17.4.1. Schematic system layout (e.g. block diagram): ...
 - 17.4.2. List and schematic overview of interconnections: ...
- 17.5. Specifications
 - 17.5.1. Specifications in normal operation: ...
 - 17.5.2. Specifications in emergency operation: ...
 - 17.5.3. Acceptance criteria: ...
 - 17.5.4. Demonstration of compliance: ...
- 17.6. Safety concept
 - 17.6.1. Manufacturer statement that the vehicle is free from unreasonable risks: ...
 - 17.6.2. Outline of the software architecture (e.g. block diagram): ...
 - 17.6.3. Means by which the realization of ADS logic is determined: ...
 - 17.6.4. General explanation of the main design provisions built into the ADS so as to generate safe operation under fault conditions, under operational disturbances and the occurrence of conditions that would exceed the ODD: ...
 - 17.6.5. General description of failure handling main principles, fall-back level strategy including risk mitigation strategy (minimum risk manoeuvre): ...
 - 17.6.6. Conditions for triggering a request to the on-board operator or the remote intervention operator: ...
 - 17.6.7. Human machine interaction concept with vehicle occupants, on-board operator and remote intervention operator including protection against simple unauthorized activation/operation and interventions: ...
- 17.7. Verification and validation by the manufacturer of the performance requirements including the OEDR, the HMI, the respect of traffic rules and the conclusion that the system is designed in such a way that it is free from unreasonable risks for the driver, vehicle occupants and other road users: ...
 - 17.7.1. Description of the adopted approach: ...
 - 17.7.2. Selection of nominal, critical and failure scenarios: ...
 - 17.7.3. Description of the used methods and tools (software, laboratory, others) and summary of the credibility assessment: ...
 - 17.7.4. Description of the results: ...
 - 17.7.5. Uncertainty of the results: ...
 - 17.7.6. Interpretation of the results: ...
 - 17.7.7. Manufacturer's declaration:

The manufacturer(s) affirm(s) that the ADS is free of unreasonable safety risks to the vehicle occupants and other road users.

- 17.8. ADS data elements
 - 17.8.1. Type of data stored: ...
 - 17.8.2. Storage location: ...
 - 17.8.3. Recorded occurrences and data elements: ...
 - 17.8.4. Means to ensure data security and data protection: ...
 - 17.8.5. Means to access the data: ...
 - 17.9. Cyber security and software update
 - 17.9.1. Cyber security type-approval number: ...
 - 17.9.2. Number of the Certificate of Compliance for cyber security: ...
 - 17.9.3. Software update type approval number: ...
 - 17.9.4. Number of the Certificate of Compliance for software update: ...
 - 17.9.4.1 Information on how to read the R_xSWIN or software version(s) in case the R_xSWIN is not held on the vehicle.
 - 17.9.4.2 If applicable, list the relevant parameters that will allow the identification of those vehicles that can be updated with the software represented by the R_xSWIN under item 17.9.4.1.
 - 17.10. Operating manual (to be annexed to the information document)
 - 17.10.1. Functional description of the ADS and expected role of the owner, transport service operator, on board operator, remote intervention operator, etc.: ...
 - 17.10.2. Technical measures for safe operation (e.g. description of the necessary off board infrastructure, timing, frequency and template of maintenance operations): ...
 - 17.10.3. Operational and environment restrictions: ...
 - 17.10.4. Operational measures (e.g. if on-board operator or remote intervention operator needed): ...
 - 17.10.5. Instructions in case of failures and ADS request (safety measures by vehicle occupants, transport service operator, on board operator and remote intervention operator and public authorities to be taken in the event of malfunctioning of the operation): ...
 - 17.11. Means to enable a periodical technical inspection: ...'.
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ANNEX II

Annex II to Regulation (EU) 2020/683 is amended as follows:

(1) Part I (A. Categories M and N) is amended as follows:

(a) point 2.6.2. is replaced by the following:

‘2.6.2. Mass of the optional equipment (see definition in Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section A, point 1.4.);’;

(b) point 4.11.2. is replaced by the following:

‘4.11.2. Information as referred to in Implementing Regulation (EU) 2021/535, Annex IX, Part 2, point 7.6. (manufacturer’s declared value);’

(c) the following points 6.7. and 6.7.1. are inserted:

‘6.7. Tyre pressure monitoring system (TPMS)

6.7.1. Presence: yes/no ⁽⁴⁾;’

(d) the following points 7.4., 7.4.1., 7.5., 7.5.1., 7.6. and 7.6.1. are inserted:

‘7.4. Emergency lane-keeping system (ELKS)

7.4.1. Presence: yes/no ⁽⁴⁾

7.5. Lane Departure Warning System (LDWS)

7.5.1. Presence: yes/no ⁽⁴⁾

7.6. Corrective Directional Control Function (CDCF)

7.6.1. Presence: yes/no ⁽⁴⁾;’

(e) the following points 8.12. and 8.12.1. are inserted:

‘8.12. Advanced emergency braking system (AEBS)

8.12.1. Presence: yes/no ⁽⁴⁾;’

(f) point 9.17.4.1. is replaced by the following:

‘9.17.4.1. The meaning of characters in the vehicle descriptor section (VDS) of the vehicle identification number (VIN) and, if applicable, the vehicle indicator section (VIS) thereof, to comply with the requirements of Section 5.3. of ISO Standard 3779:2009 shall be explained;’

(g) the following points 12.2.4. and 12.2.4.1. are inserted:

‘12.2.4. Alcohol interlock installation facilitation (AIF)

12.2.4.1. Manufacturer’s declaration of compliance, in accordance with Annex I to Commission Delegated Regulation (EU) 2021/1243⁽¹²³⁾: ...;’

(h) the following points 12.6.5. and 12.6.5.1. are inserted:

‘12.6.5. Intelligent speed assistance system (ISA)

12.6.5.1. Presence: yes/no ⁽⁴⁾;’

(i) the following points 12.11., 12.11.1, 12.12, 12.12.1, 12.13, 12.13.1, 12.16, 12.16.1., 12.17. and 12.17.1. are inserted:

‘12.11. Driver drowsiness and attention warning (DDAW) system

12.11.1. Presence: yes/no ⁽⁴⁾

12.12. Advanced driver distraction warning (ADDW) system

12.12.1. Presence: yes/no ⁽⁴⁾

12.13. Blind spot information system (BSIS)

12.13.1. Presence: yes/no ⁽⁴⁾

12.16. Event data recorder (EDR)

12.16.1. Presence: yes/no ⁽⁴⁾

12.17. Driver availability monitoring (DAM) system

12.17.1. Presence: yes/no ⁽⁴⁾;

(j) the following point 17. is inserted:

‘17. AUTOMATED DRIVING SYSTEM (ADS): yes/no ⁽⁴⁾;

(2) Part I (B. Category O) is amended as follows:

(a) point 2.6.2. is replaced by the following:

‘2.6.2. Mass of the optional equipment (see definition in Implementing Regulation (EU) 2021/535, Annex XIII, Part 2, Section A, point 1.4.);’;

(b) the following points 6.7. and 6.7.1. are inserted:

‘6.7. Tyre pressure monitoring system (TPMS)

6.7.1. Presence: yes/no ⁽⁴⁾;

(c) point 9.17.4.1. is replaced by the following:

‘9.17.4.1. The meaning of characters in the vehicle descriptor section (VDS) of the vehicle identification number (VIN) and, if applicable, the vehicle indicator section (VIS) thereof, to comply with the requirements of Section 5.3. of ISO Standard 3779:2009 shall be explained: ...’;

(d) The following points 12, 12.7.1., 16. and 16.1. are added:

‘12. MISCELLANEOUS

12.7.1. Vehicle equipped with a 24 GHz short-range radar equipment: yes/no ⁽⁴⁾

16. ACCESS TO VEHICLE REPAIR AND MAINTENANCE INFORMATION

16.1. Address of principal website for access to vehicle repair and maintenance information: ...’.

ANNEX III

Annex IV to Regulation (EU) 2020/683 is amended as follows:

(1) in point 2.2., point (c) is replaced by the following:

‘(c) the number of the Commission Regulation adopted pursuant to Regulation (EU) 2019/2144 and laying down the applicable requirements.

For the purposes of point (c), where a (base) Regulation contains separate annexes with requirements and technical prescriptions to be applied for different subject matters covering vehicle systems, components and separate technical units, the reference in Section 2 shall be followed by a roman numeral denoting the Annex number to that Regulation.’;

(2) in point 3.1., point (c) is replaced by the following:

‘(c) in accordance with Annex XI to Implementing Regulation (EU) 2021/535⁽¹⁴⁾:

e2*2021/535/XI*2021/535*00003*00’

(3) in point 3.1., point (d) is replaced by the following:

‘(d) in accordance with Implementing Regulation (EU) 2021/646⁽¹²²⁾:

e2*2021/646*2021/646*00003*00’

(4) in point 4, the second paragraph is replaced by the following:

‘However, this Annex applies to EU type-approvals granted in accordance with Regulation (EU) 2019/2144 on the basis of requirements laid down in the UN Regulations listed in Annex II to Regulation (EU) 2018/858, in which case the following numbering system shall apply.’;

(5) point 4.2. is replaced by the following:

‘4.2. Section 2: The number of Regulation (EU) 2019/2144 (i.e. ‘2019/2144’);

(6) in the example in point 4.6.1, the type-approval certificate number. is replaced by the following:

‘e1*2019/2144*13-HR00/16*00001*00’;

(7) in the example in point 4.6.2., the type-approval certificate number is replaced by the following:

‘e25*2019/2144*46R04/01*00123*05’.

ANNEX IV

In Annex V to Regulation (EU) 2020/683, point 4, second paragraph, is replaced by the following:

‘However, this Annex applies to EU type-approvals of components and separate technical units granted in accordance with Regulation (EU) 2019/2144 on the basis of the requirements laid down in the UN Regulations listed in Annex I to that Regulation, in which case the following shall apply:’.

ANNEX V

In Annex VIII to Regulation (EU) 2020/683, the Appendix is amended as follows:

(1) part I (Complete and completed vehicles) is amended as follows:

(a) in Part 2 (vehicle category M₁) the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with: TPMS/ELKS/AEBS/ESS/AIF/ISA/DDAW/ADDW/EDR/DAM/ADS/eCall ⁽⁴⁾ ⁽¹⁸¹⁾

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾;

(b) in Part 2 (vehicle category M₂) the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with: TPMS/AEBS/ESS/AIF/ISA/DDAW/ADDW/BSIS/EDR/DAM/ADS/Platooning ⁽⁴⁾ ⁽¹⁸¹⁾

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾;

(c) in Part 2 (vehicle category M₃) the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with: TPMS/ESS/AIF/AEBS/ISA/DDAW/ADDW/BSIS/EDR/DAM/ADS/Platooning ⁽⁴⁾ ⁽¹⁸¹⁾

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾;

(d) in Part 2 (vehicle category N₁), the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with: TPMS/ELKS/AEBS/ESS/AIF/ISA/DDAW/ADDW/EDR/DAM/ADS/eCall ⁽⁴⁾ ⁽¹⁸¹⁾

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾;

(e) in Part 2 (vehicle category N₂), the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with: TPMS/ESS/AIF/AEBS/ISA/DDAW/ADDW/BSIS/EDR/DAM/ADS/Platooning ⁽⁴⁾ ⁽¹⁸¹⁾

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾;

(f) in Part 2 (vehicle category N₃), the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with: TPMS/ESS/AIF/AEBS/ISA/DDAW/ADDW/BSIS/EDR/DAM/ADS/Platooning ⁽⁴⁾ ⁽¹⁸¹⁾

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾;

(g) in Part 2 (vehicle categories O₃ and O₄), the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with: TPMS ⁽¹⁸¹⁾;

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾;

(2) part II (Incomplete vehicles) is amended as follows:

(a) in Part 2 (vehicle category M₁) the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with advanced vehicle systems: TPMS/ELKS/AEBS/ESS/AIF/ISA/DDAW/ADDW/EDR/DAM/ADS/eCall ⁽⁴⁾ ⁽¹⁸¹⁾’;

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾’;

(b) in Part 2 (vehicle category M₂) the following point 54, 55 and 56 are added:

‘54. Vehicle fitted with advanced vehicle systems: TPMS/ESS/AIF/AEBS/ISA/DDAW/ADDW/BSIS/EDR/DAM/ADS/Platooning ⁽⁴⁾ ⁽¹⁸¹⁾’;

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾’;

(c) in Part 2 (vehicle category M₃) the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with advanced vehicle systems: TPMS/ESS/AIF/AEBS/ISA/DDAW/ADDW/BSIS/EDR/DAM/ADS/Platooning ⁽⁴⁾ ⁽¹⁸¹⁾’;

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾’;

(d) in Part 2 (vehicle category N₁), the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with advanced vehicle systems: TPMS/ELKS/AEBS/ESS/AIF/ISA/DDAW/ADDW/EDR/DAM/ADS/eCall ⁽⁴⁾ ⁽¹⁸¹⁾’;

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾’;

(e) in Part 2 (vehicle category N₂), the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with advanced vehicle systems: TPMS/ESS/AIF/AEBS/ISA/DDAW/ADDW/BSIS/EDR/DAM/ADS/Platooning ⁽⁴⁾ ⁽¹⁸¹⁾’;

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾’;

(f) in Part 2 (vehicle category N₃), the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with advanced vehicle systems: TPMS/ESS/AIF/AEBS/ISA/DDAW/ADDW/BSIS/EDR/DAM/ADS/Platooning ⁽⁴⁾ ⁽¹⁸¹⁾’;

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾’;

(g) in Part 2 (vehicle categories O₃ and O₄), the following points 54, 55 and 56 are added:

‘54. Vehicle fitted with: TPMS ⁽¹⁸¹⁾’.

55. Vehicle certified in accordance with UN Regulation No 155: yes/no ⁽⁴⁾

56. Vehicle certified in accordance with UN Regulation No 156: yes/no ⁽⁴⁾’.
