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#### World Forum for Harmonization of Vehicle Regulations

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##### Draft UN Regulation on e-call systems

### Proposal to develop a new UN Regulation on e-call systems

#### Submitted by the Russian Federation\*

The text reproduced below was drawn up by experts from the Russian Federation in line with the decision of the World Forum for Harmonization of Vehicle Regulations (WP.29), adopted at its 159th session (ECE/TRANS/WP.29/1102, para. 82). It is submitted to WP.29 for consideration.

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\* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, programme activity 02.4), the World Forum will develop, harmonize and update regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

**Regulation No. XXX****Uniform provisions concerning the approval of emergency call (e-call) devices and of motor vehicles with regard to the installation of these devices****Contents**

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## 1. Scope

This Regulation applies:

- (a) to emergency call (e-call) devices for vehicles of categories M and N;<sup>1</sup>
- (b) to the installation of e-call devices in vehicles of categories M and N.1.

## I. E-call devices

## 2. Definitions

For the purposes of this Regulation:

- 2.1 “*Emergency call device*” (“*e-call device*”) means a device that determines the location, speed and direction of travel of a vehicle using signals from at least two existing global satellite navigation systems, transmits information on the vehicle if it suffers a road accident or other accident and provides two-way voice communication with the emergency services on mobile telephone communications networks;
- 2.2 “*Core component of an e-call device*” means a component that provides the functions of the e-call device listed in paragraph 2.1 above. The core components of an e-call device are:
  - (a) a navigation system receiver;
  - (b) a global navigation satellite system receiver antenna;
  - (c) a communications module;
  - (d) a communications module antenna;
  - (e) an in-band modem;
  - (f) a user interface unit;
  - (g) a control module;
  - (h) a backup power supply (optional).
- 2.3 “*Road accident*” means an event that occurs during the movement, and with the participation, of a vehicle on a road, in which people are killed or injured, vehicles, equipment or goods are damaged, or any other material damage is caused;
- 2.4 “*Navigation system receiver*” means a component of an e-call device designed to determine the current coordinates, motion parameters (direction and speed) of the vehicle, and time using signals from global navigation satellite systems;

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<sup>1</sup> As defined in Section 2 of the Consolidated Resolution on the Construction of Vehicles (R.E.3) (document TRANS/WP.29/78/Rev.2) – [www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html](http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html).

- 2.5 “*Communications module*” means a component of an e-call device designed to transmit information about an accident using mobile telephone communications networks;
- 2.6 “*Voice modem*” means a component of an e-call device designed for voice communications on mobile telephone communications networks;
- 2.7 “*User interface unit*” means a component of an e-call device designed to allow the user to interact with the device, including by receiving visual information, obtaining visual information and introducing control commands;
- 2.8 “*Control module*” means a component of an e-call device designed to ensure the combined functioning of all components of the e-call device;
- 2.9 “*Type of e-call device*” means devices that do not differ in their construction, including the manner of attachment to the bodywork;
- 2.10 “*Data exchange protocol*” means the set of rules and agreements that define the content, format, time parameters, sequence and error checks in messages exchanged between an e-call device and the devices of the ground response infrastructure.

### **3. Application for approval**

- 3.1 The application for approval of a type of e-call device shall be submitted by the holder of the trade name or mark or by his or her duly accredited representative.
- 3.2 A model of the information document is given in annex 1.
- 3.3 For each type of e-call device, the application shall be accompanied by samples of complete sets of e-call devices in sufficient quantities for the tests prescribed by this regulation. Additional specimens may be called for at the request of the laboratory.

### **4. Markings**

- 4.1 The samples of e-call devices submitted for approval shall bear the trade name or mark of the manufacturer. This marking shall figure at least on the unit or units containing the navigation system receiver and communications module, as well as on the front face of the user interface unit. It shall be clearly legible and be indelible.
- 4.2 The unit or units containing the navigation system receiver and communications module, as well as the front face of the user interface unit of each e-call device shall possess a space large enough to accommodate the approval mark, which shall be legible when the device has been mounted on the vehicle. This space shall be shown on the drawings referred to in annex 1.

### **5. Approval**

- 5.1 If the samples submitted for approval meet the requirements of paragraph 6 of this Regulation, approval of the pertinent type of e-call device shall be granted.
- 5.2 An approval number shall be assigned to each type approved. The first two digits (at present 00) shall indicate the series of amendments incorporating the

most recent major technical amendments made to the Regulation at the time of issue of the approval. The same Contracting Party shall not assign the same number to another type of e-call device.

- 5.3 Notice of approval or of refusal, or of extension or withdrawal of approval, or of production definitively discontinued of a type of e-call device pursuant to this Regulation shall be communicated to the Parties to the Agreement which apply this Regulation by means of a form conforming to the model in annex 3 to this Regulation.
- 5.4 There shall be affixed, conspicuously and in the space referred to in paragraph 4.2 above, to every e-call device conforming to a type approved under this Regulation, in addition to the mark prescribed in paragraph 4.1., an international approval mark conforming to the model given in annex 5, consisting of:
- 5.4.1 A circle surrounding the letter “E” followed by the distinguishing number of the country which has granted approval;<sup>2</sup>
- 5.4.2 The number of this Regulation, followed by the letter “R”, a dash and the approval number to the right of the circle prescribed in paragraph 5.4.1.
- 5.5 The approval mark shall be clearly legible and be indelible.

## **6. Specifications**

- 6.1 The effectiveness of e-call devices shall not be adversely affected by magnetic or electrical fields. This requirement shall be met by ensuring compliance with Regulation No. 10:
- (a) 03 series of amendments for vehicles that do not have a rechargeable energy storage system (traction battery) that can be charged from an external source;
- (b) 04 series of amendments for vehicles fitted with a rechargeable energy storage system (traction battery) that can be charged from an external source.
- 6.2 The e-call device shall be climate resistant. This requirement shall be deemed to be met if the e-call device has withstood all tests prescribed in annex 6.
- 6.3 The e-call device shall be resistant to mechanical impact. This requirement shall be deemed to be met if the e-call device has withstood all tests prescribed in annex 7.
- 6.3 The e-call device shall remain operational after the dynamic testing in accordance with the appendix to annex 9 of Regulation No. 17. Details of the test procedure are given in annex 8.
- 6.4 The e-call device shall ensure reception and processing of standard precision navigation signals. This requirement is deemed to be met if the e-call device has withstood all tests prescribed in annex 9.

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<sup>2</sup> The distinguishing numbers of the Contracting Parties to the 1958 Agreement are reproduced in annex 3 to the Consolidated Resolution on the Construction of Vehicles (R.E.3), document ECE/TRANS/WP.29/78/Rev.2/Amend.3 –[www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html](http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html).

- 6.5 The e-call device shall allow communications on mobile telephone communications networks using GSM-900, GSM-1800, UMTS-900 and UMTS-2000 standards. This requirement shall be deemed to be met if the e-call device has withstood all tests prescribed in annex 10. In addition, the e-call device shall comply with the following requirements:
- 6.5.1 The e-call device shall be fitted with a non-removable personal multiprofile universal SIM card that functions on mobile telephone networks using the above-mentioned standards. It shall have the capacity to update information that is stored on the non-removable personal multiprofile universal SIM card on mobile telephone networks using the above-mentioned standards;
- 6.5.2 The communications module shall provide batch transmission of data on the accident. The data exchange protocol shall establish mandatory priority flagging for emergency calls. The specifications for data exchange protocols are given in annex 11.
- 6.5.3 A voice modem shall ensure a full duplex voice connection in speakerphone mode, with an emergency services operator.
- 6.5.4 If it is not possible to transmit information using the voice modem for 20 seconds after the start of data transmission, the e-call device stops using the voice modem and transmits the information by means of text messages (SMS). There shall be provision for the information to be transmitted a second time using the voice modem, working through the established voice connection, and by means of SMS. If it is not possible to transmit information using mobile telephone networks, the information not transmitted shall be stored in an energy-independent memory and transmitted when possible.
- 6.5.5 After the emergency call is completed, the following shall be ensured:
- 6.5.5.1 Reception of command in SMS format concerning the repeat emergency call, and the issue of the repeat emergency call within a configurable period of time;
- 6.5.5.2 Automatic reception of incoming phone calls for a period of not less than 20 minutes after the emergency call.
- 6.6 The e-call device shall offer the possibility of checking its functionality in automatic and manual modes, and show information on any faults on an optical device status indicator or a message on the instrument panel. It shall also be possible for device test results to be transmitted using mobile telephone communications networks as described in paragraph 6.5.
- 6.7 The e-call device shall undergo functional testing in accordance with annex 12.
- 6.8 The e-call device shall be able to operate autonomously for a period of not less than 60 minutes in call-back mode and subsequently not less than 10 minutes in voice communication mode through the use of a backup battery when power is not available from the on-board electrical system. The lifetime of a backup battery shall be not less than three years.
- 6.9 The e-call device shall have the capacity to function with additional external devices (including devices that detect the type of accident), connected by means of a standardized connector and a standardized data transfer protocol. The physical interface for data transfer shall offer a data transfer speed of not less than 62.5 kbps.

## **7. Modification and extension of approval of the type of e-call device**

- 7.1 Every type modification to the e-call device, including to its manner of attachment to the bodywork, shall be notified to the administrative department that approved the type of e-call device. The department may then either:
- 7.1.1 Consider that the modifications made are unlikely to have an appreciable adverse effect, and that in any case the e-call device still complies with the requirements; or
- 7.1.2 Require a further test report from the technical service responsible for conducting the tests.
- 7.2 Notice of the confirmation of approval, specifying the alterations made, or refusal shall be communicated to the Parties to the 1958 Agreement applying this Regulation in accordance with the procedure specified in paragraph 5.3 above.
- 7.3 Notice of the extension of approval shall be communicated to the Parties to the 1958 Agreement applying this Regulation in accordance with the procedure specified in paragraph 5.3 above.
- 7.4 The competent authority issuing the extension of approval shall assign a series number to each communication form drawn up for such an extension.

## **8. Conformity of production**

- 8.1 The conformity of production procedure shall comply with the requirements set out in the Agreement, Appendix 2 (E/ECE/324 E/ECE/TRANS/505/Rev.2).
- 8.2 Every e-call device approved under this Regulation shall be so manufactured as to conform to the type approved by meeting the requirements set out in paragraph 6 above.

## **9. Penalties for non-conformity of production**

- 9.1 The approval granted in respect of a type of e-call device pursuant to this Regulation may be withdrawn if the requirement laid down in paragraph 8.1 above is not complied with or if the type of e-call device does not satisfy the requirements prescribed in paragraph 8.2 above.
- 9.2 If a Party to the Agreement applying this Regulation withdraws an approval it has previously granted, it shall forthwith so notify the other Contracting Parties applying this Regulation by means of a copy of the communication form bearing at the end, in large letters, the signed and dated annotation "APPROVAL WITHDRAWN".

## **10. Production definitively discontinued**

If the holder of the approval completely ceases to manufacture a type of e-call device approved in accordance with this Regulation, he shall so inform the authority which granted the approval. Upon receiving the relevant communication, that authority shall inform thereof the other Parties to the Agreement which apply this Regulation by means of a copy of the approval



form bearing at the end, in large letters, the signed and dated annotation "PRODUCTION DISCONTINUED".

## **11. Names and addresses of technical services responsible for conducting approval tests, and of administrative departments**

The Parties to the Agreement which apply this Regulation shall communicate to the United Nations Secretariat the names and addresses of the technical services responsible for conducting approval tests and of the administrative departments which grant approval and to which forms certifying approval or refusal or extension or withdrawal of approval, issued in other countries, are to be sent.

## **II. Installation of e-call devices**

### **12. Definitions**

For the purposes of this Regulation:

- 12.1 "*Emergency call system*" ("*e-call system*") means the e-call device used to send information about an accident in the automatic mode signals received from the sensor(s) of the passive security system or other vehicle systems that are not part of the direct components of the e-call devices;
- 12.2 "*Time of accident*" means the point in time that corresponds to the signal from the sensor(s) determining the level of deceleration of the vehicle;
- 12.3 "*Accident report*" means the set of data, broadcast by the e-call device and includes, at least, vehicle make and type designation, vehicle identification number (VIN), coordinates and motion variables of the vehicle at the time of the accident, and the time of the accident.

### **13. Application for approval**

- 13.1 The application for approval of a vehicle type with regard to the installation of e-call devices shall be submitted by the vehicle manufacturer or by his or her duly accredited representative.
- 13.2 A model of the information document is shown in annex 2.
- 13.3 A vehicle representative of the vehicle type to be approved shall be submitted to the technical service responsible for conducting the approval tests.
- 13.4 The competent authority shall verify the existence of satisfactory arrangements for ensuring effective checks on conformity of production before type approval is granted.

### **14. Approval**

- 14.1 If the vehicle type submitted for approval in accordance with paragraph 13 above meets the requirements of paragraph 15 of this Regulation, approval shall be granted.

- 14.2 An approval number shall be assigned to each type approved. Its first two digits (at present 00) shall indicate the series of amendments incorporating the most recent major technical amendments made to the Regulation at the time of issue of the approval. The same Contracting Party shall not assign the same number to another vehicle type.
- 14.3 Notice of approval or of refusal, or of extension or withdrawal of approval, or of production definitively discontinued of a vehicle type pursuant to this Regulation shall be communicated to the Parties to the Agreement which apply this Regulation by means of a form conforming to the model in annex 4 to this Regulation.
- 14.4 There shall be affixed, conspicuously and in a readily accessible place specified on the approval form, to every vehicle conforming to a vehicle type approved under this Regulation, an international approval mark conforming to the model described in annex 5, consisting of:
- 14.4.1 A circle surrounding the letter “E” followed by the distinguishing number of the country which has granted approval;<sup>3</sup>
- 14.4.2 The number of this Regulation, followed by the letter “R”, a dash and the approval number to the right of the circle prescribed in paragraph 14.4.1.
- 14.5 If the vehicle conforms to a vehicle type approved under one or more other Regulations annexed to the Agreement in the country which has granted approval under this Regulation, the symbol prescribed in paragraph 14.4.1. need not be repeated; in such a case, the Regulation and approval numbers and the additional symbols shall be placed in vertical columns to the right of the symbol prescribed in paragraph 14.4.1 above.
- 14.6 The approval mark shall be clearly legible and be indelible.
- 14.7 The approval mark shall be placed close to or on the vehicle data plate.

## **15. Specifications**

- 15.1 General specifications
- 15.1.1 The e-call device installed in a vehicle shall be of a type approved under this Regulation.
- 15.1.2 The e-call device shall be connected to the vehicle’s on-board electrical network, so that the e-call device functions in all the required modes, and the backup battery (if fitted) is charged.
- 15.1.3 The installation of antennas for the e-call device shall ensure, when in the operating position, stable signal reception from at least two existing global navigation satellite systems and a stable link to mobile telephone communications networks, providing reception and transmission of signals using GSM-900, GSM-1800, UMTS-900 and UMTS-2000 standards.
- 15.1.4 The e-call device shall enable:

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<sup>3</sup> The distinguishing numbers of the Contracting Parties to the 1958 Agreement are reproduced in annex 3 to the Consolidated Resolution on the Construction of Vehicles (R.E.3), document ECE/TRANS/WP.29/78/Rev.2/Amend3 – [www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html](http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html).

- 15.1.4.1 Transmission of information about the accident after the emergency button has been pressed. The fact that transmission has occurred and the information about the accident shall be recorded by the technical service;
- 15.1.4.2 Two-way voice communications with emergency services through mobile telephone communications networks. The fact that the communication has occurred and that voice communication is possible shall be recorded by the technical service;
- 15.1.4.3 Shutdown of other sources of sound in the vehicle, with the exception of the special communications equipment (if fitted), for the period of the voice communications during the e-call. This requirement is deemed to be met by positive results from the tests carried out in accordance with the procedure set out in annex 13.
- 15.1.5 Emergency call button
  - 15.1.5.1 An emergency call button shall be installed in the direct line of sight from the driver's seat and the front passenger seat – fiftieth percentile male (if the vehicle structure provides for the front passenger to sit next to the driver's seat). It shall be possible to reach the emergency button call without undoing seat belts.
  - 15.1.5.2 The emergency call button shall be protected from accidental activation. A mechanical means of protection shall be used.
  - 15.1.5.3 The emergency call button shall be illuminated.
  - 15.1.5.4 The emergency call button shall bear an identifying symbol [in accordance with Regulation No. 121].
- 15.1.6 E-call device optical status indicator
  - 15.1.6.1 A continuous (non-blinking) red optical indicator, also visible during daylight [in accordance with Regulation No. 121] shall be used.
  - 15.1.6.2 The optical indicator shall be placed in the direct line of sight from the seats of the driver and the front passenger, meeting the criteria set in paragraph 15.1.5.1 above.
  - 15.1.6.3 The optical indicator shall come on:
    - 15.1.6.3.1 Briefly (between 3 and 10 seconds) when power is applied to the vehicle's electrical equipment when the ignition (start) switch is put in the "On" (operating) position;
    - 15.1.6.3.2 Constantly when there is a fault in the system that prevents it complying with the requirements of paragraph 15.1.4 above, and it shall remain on as long as the fault persists when the ignition (start) switch is put in the "On" (operating) position.
  - 15.1.6.4 The optical indicator shall have an identifying symbol [in accordance with Regulation No. 121].
  - 15.1.6.5 The optical indicator may be usefully aligned with the emergency call button.
- 15.1.6 Optical indicators meeting these requirements may be omitted if it is possible to indicate any faults in the e-call device each time power is applied to the vehicle's electrical equipment when the ignition (start) switch is put in the "On" (operating) position by means of another optical indicator as well as by a display on the instrument panel of textual information on the malfunction of

the e-call device which remains displayed as long as the fault persists when the ignition (start) switch is put in the "On" (operating) position.

- 15.2 Additional specifications for e-call systems
- 15.2.1 The specifications apply to vehicles of category M<sub>1</sub>, covered by Regulations Nos. 94 and (or) 95, and those of category N<sub>1</sub>, covered by Regulation No. 95.
- 15.2.2 The type of vehicle with regard to the installation of an e-call system is, for category M<sub>1</sub>, the vehicle type covered by Regulations Nos. 94 or 95; and for category N<sub>1</sub>, the vehicle type covered by Regulation No. 95.
- 15.2.3 The e-call system shall enable:
  - 15.2.3.1 Automatic transmission of information about the accident at the time of the accident. The fact that transmission has occurred and the information about the accident shall be recorded by the technical service:
    - 15.2.3.1.1 When simulating a frontal collision of the vehicle during tests under Regulation No. 94. If the vehicle is not covered by Regulation No. 94, frontal collision shall be simulated during tests under Regulation No. 12.
    - 15.2.3.1.2 When simulating a lateral collision of the vehicle during tests under Regulation No. 95.
    - 15.2.3.2 After the tests specified in paragraph 15.2.3.1, retention of functionality and two-way voice communications with the emergency services through mobile telephone communications networks. The fact that the communication has occurred and that voice communication is possible shall be recorded by the technical service.

## **16. Modifications and extension of approval of the vehicle type**

- 16.1 Every modification of the vehicle type shall be notified to the administrative department which approved the vehicle type. The department may then either:
  - 16.1.1 Consider that the modifications made are unlikely to have an appreciable adverse effect, and that in any case the vehicle still complies with the requirements; or
  - 16.1.2 Require a further test report from the technical service responsible for conducting the tests.
- 16.2 Notice of the confirmation of approval, specifying the alterations made, or refusal shall be communicated to the Parties to the Agreement applying this Regulation by means of a form conforming to the model in annex 4 to this Regulation.
- 16.3 The competent authority issuing the extension of approval shall assign a series number to each communication form drawn up for such an extension.

## **17. Conformity of production**

- 17.1 The conformity of production procedure shall comply with the requirements set out in the Agreement, Appendix 2 (E/ECE/324 E/ECE/TRANS/505/Rev.2).

- 17.2 Every vehicle approved under this Regulation shall be so manufactured as to conform to the type approved by meeting the requirements set out in paragraph 15 above.

## **18. Penalties for non-conformity of production**

- 18.1 The approval granted in respect of a vehicle type pursuant to this Regulation may be withdrawn if the requirement laid down in paragraph 17.1 above is not complied with or if the vehicle fails to pass the checks prescribed in paragraph 17.2 above.
- 18.2 If a Party to the Agreement which applies this Regulation withdraws an approval it has previously granted, it shall forthwith so notify the other Contracting Parties applying this Regulation by means of a copy of the approval form bearing at the end, in large letters, the signed and dated annotation "APPROVAL WITHDRAWN".

## **19. Production definitively discontinued**

If the holder of the approval completely ceases to manufacture a vehicle type approved in accordance with this Regulation, he or she shall so inform the authority which granted the approval. Upon receiving the relevant communication, that authority shall inform thereof the other Parties to the Agreement which apply this Regulation by means of a copy of the approval form bearing at the end, in large letters, the signed and dated annotation "PRODUCTION DISCONTINUED".

## **20. Names and addresses of technical services responsible for conducting approval tests, and of administrative departments**

The Parties to the Agreement which apply this Regulation shall communicate to the United Nations Secretariat the names and addresses of the technical services responsible for conducting approval tests and of the administrative departments which grant approval and to which forms certifying approval or refusal, or extension or withdrawal of approval, issued in other countries, are to be sent.

## Annex 1

### **Information document relating to the type approval of an e-call device**

The following information, if applicable, shall be supplied in triplicate and shall include a list of contents.

Any drawings shall be supplied in appropriate scale and in sufficient detail on size A4 paper or on a folder of A4 format.

Photographs, if any, shall show sufficient detail.

1. Make (trade name of manufacturer): .....
2. Type and general commercial description(s): .....
3. Means of identification of type, if marked on the device: .....
4. Name and address of manufacturer: .....
5. Location of and method of affixing the approval mark: .....
6. Address(es) of assembly plant(s): .....
7. Arrangement (indicate components included on delivery): .....
8. Description of method(s) of attachment to the vehicle: .....
9. Sufficiently detailed drawings to identify the complete device, including installation instructions; the position for the type-approval mark must be indicated on the drawings: .....

## Annex 2

### Information document relating to the type approval of a vehicle with regard to the installation of e-call devices

The following information, if applicable, shall be supplied in triplicate and shall include a list of contents.

Any drawings shall be supplied in appropriate scale and in sufficient detail on size A4 paper or on a folder of A4 format.

Photographs, if any, shall show sufficient detail.

#### General

1. Make (trade name of manufacturer): .....
2. Type and general commercial description(s): .....
3. Means of identification of type, if marked on the vehicle: .....
4. Location of the marking: .....
5. Location of and method of affixing the approval mark: .....
6. Category of vehicle:.....
7. Name and address of manufacturer: .....
8. Address(es) of assembly plant(s):.....
9. Photograph(s) and/or drawing(s) of a representative vehicle: .....
10. E-call device/system
  - 10.1 Make (trade name of manufacturer): .....
  - 10.2 Type and general commercial description(s): .....
  - 10.3 Arrangement (indicate components included in delivery): .....
  - 10.4 Description of means of automatic transmission of information about the accident (if fitted):.....
  - 10.5 Description of method(s) of attachment to the vehicle: .....
  - 10.6 Drawing(s) showing the position of the e-call device/system: .....

**Annex 3**

**Communication**

(Maximum format: A4 (210 x 297 mm))



Issued by:          Name of administration:

.....  
.....  
.....

concerning:<sup>2</sup>

- Approval granted
- Approval extended
- Approval refused
- Approval withdrawn
- Production definitively discontinued

of a type of e-call device pursuant to Regulation No. XXX

Approval No. ...

Extension No. ...

- 1. Trade name or mark of device: .....
- 2. Manufacturer's name for the type of device: .....
- 3. Name and address of manufacturer: .....
- 4. If applicable, name and address of manufacturer's representative: .....
- 5. Submitted for approval on: .....
- 6. Technical service responsible for conducting approval tests: .....
- 7. Date of report issued by that service: .....
- 8. Number of report issued by that service: .....
- 9. Brief description of the device: .....
- 10. Location of the approval marking: .....
- 11. Reason(s) for extension (if applicable): .....
- 12. Approval granted/  
refused/  
extended/  
withdrawn:<sup>2</sup>
- 13. Place: .....

<sup>1</sup> Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulations).

<sup>2</sup> Delete as appropriate.



- 14. Date: .....
- 15. Signature:.....
- 16. The list of documents deposited with the administrative service which has granted approval, is annexed to this communication and may be obtained on request.

## Annex 4

### Communication

(Maximum format: A4 (210 x 297 mm))



Issued by:                      Name of administration:

.....  
 .....  
 .....

- concerning:<sup>2</sup>
- Approval granted
  - Approval extended
  - Approval refused
  - Approval withdrawn
  - Production definitively discontinued

of a type of vehicle with regard to the installation of e-call devices pursuant to Regulation No. XXX

Approval No. ...                      Extension No. ...

1.    Make (trade name of manufacturer): .....
2.    Type and general commercial description(s): .....
3.    Means of identification of type, if marked on the vehicle: .....
4.    Location of that marking: .....
5.    Position of the approval mark: .....
6.    Category of vehicle: (M<sub>1</sub>; M<sub>2</sub>; M<sub>3</sub>; N<sub>1</sub>; N<sub>2</sub>; N<sub>3</sub>)<sup>2</sup>
- 6.1   Vehicle is/is not covered by Regulations Nos. 12, 94 or 95<sup>2</sup> .....
7.    Name and address of manufacturer: .....
8.    Address(es) of assembly plant(s): .....
9.    E-call device/system<sup>2</sup>
- 9.1   Make (trade name of manufacturer): .....
- 9.2   Type and general commercial description(s): .....
- 9.3   Arrangement (indicate components included): .....
- 9.4   Automatic transmission of information about accidents: Yes/No<sup>2</sup>

<sup>1</sup> Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulations).

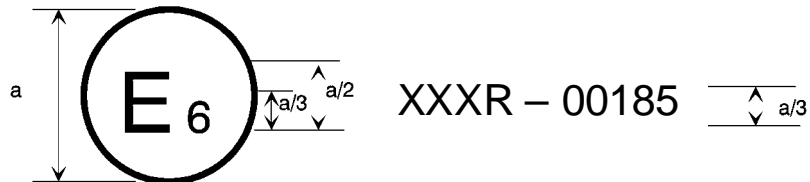
<sup>2</sup> Delete as appropriate.

10. Technical service responsible for testing: .....
11. Date of test report: .....
12. Number of test report:.....
13. Place: .....
14. Date: .....
15. Signature:.....
16. The list of documents deposited with the administrative service which granted approval is annexed to this communication and may be obtained on request.

## Annex 5

### Arrangement of approval mark

(See paragraphs 5.4 and 14.4 of the Regulation.)



The above approval mark affixed to an e-call device/vehicle, indicates that this type of e-call device/vehicle with regard to the installation of an e-call device has been approved in Belgium (E6) pursuant to Regulation No. XXX. The first two digits of the approval number indicate that the approval was granted in accordance with the requirements of Regulation No. XXX in their original form.

## **Annexes 6–13**

To be provided at a later date.

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