

Informal document No. 21
**(86th GRSG session, 19-23 April 2004
agenda item 7.)**

GRSG-R97 Working Paper No.
**(GRSG-R97 drafting meeting
19 April 2004, Geneva)**

**PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 97
(Vehicle alarm systems)**

**Amendments to Document TRANS/WP29/GRSG/2003/26
Proposed by the drafting group**

The text reproduced below is based on document TRANS/WP29/GRSG/2003/26 and was amended by the drafting group on vehicle degradation systems.

This document is submitted for discussion at the drafting group meeting scheduled on 19 April 2004 (morning only) at the Palais des Nations. Following the meeting of the drafting group, an updated version of this document will be submitted to GRSG for consideration during its eighty-sixth session.

The list of contents, amend to read:

"

Part IV – Approval of vehicle degradation systems during unauthorized use and approval of vehicles with regard to a degradation system

41. Definitions
42. Application for approval of a vehicle degradation system
43. Application for approval of a vehicle
44. Approval of a vehicle degradation system
45. Approval of a vehicle
46. General specifications
47. Particular specifications
48. Operation parameters and test conditions
49. Instructions
50. Modifications of the vehicle degradation system type or vehicle type and extension of approval
51. Conformity of production
52. Penalties for non-conformity of production
53. Production definitely discontinued
54. Transitional Provisions
55. Names and addresses of technical services responsible for conducting approval tests, and of administrative departments

ANNEXES

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- Annex 4 -
- Annex 5 - Communication concerning the approval or extension or refusal or withdrawal of approval or production definitely discontinued of a type of vehicle degradation system pursuant to Part IV of Regulation No. 97
- Annex 6 - Communication concerning the approval or extension or refusal or withdrawal of approval or production definitely discontinued of a vehicle type with regard to its vehicle degradation system pursuant to Part IV of Regulation No. 97
- Annex 7 - Arrangements of approval marks
- Annex 8 - Model of certificate of conformity
- Annex 9 - Model of installation certificate
- Annex 10 - Test of systems for the protection of the passenger compartment
- Annex 11 - Electromagnetic compatibility
- Annex 12 - Specifications for mechanical key switches"

Text of the Regulation.

Insert a new Paragraph 1.4., to read:

"1.4. Part IV: Vehicle degradation systems intended to be fitted optionally in vehicles of classes M₁ and N₁ ,~~and~~ **respectively to vehicles of category M1 and N1 with regard to those systems, and** which only become effective after standstill. Where such systems are fitted to vehicles of other classes, they are required to comply analogously with the provisions of this part IV."

Rem: Could be suitable for other categories. See new compiled reg. D to find a wording.

Paragraph 4.4.1. footnote 1/, amend to read:

"..... 34 for Bulgaria, 35 (vacant), 36 for Lithuania, 37 for Turkey, 38 (vacant), 39 for Azerbaijan, 40 for The former Yugoslav Republic of Macedonia, 41 (vacant), 42 for the European Community (Approvals are granted by its Member States using their respective ECE symbol), 43 for Japan, 44 (vacant), 45 for Australia, 46 for Ukraine, 47 for South Africa and 48 for New Zealand. Subsequent numbers"

Paragraph 4.4.2., amend to read:

"4.4.2. The number of this Regulation, followed by the letter "R", a symbol "A", "I" or "D" or such as "AI, AD, ID or AID" indicating if the system is a vehicle alarm system, an immobilizer or a vehicle degradation system or a combination of two or three of these letters, a dash and the approval number in the vicinity of the circle prescribed in paragraph 4.4.1."

Paragraph 4.4.4., amend the reference to "Annex 5" to read "Annex 7".

Paragraph 4.5., amend in the last sentence the reference to "Annex 6" to read "Annex 8".

Paragraph 5.10., amend to read:

"5.10. VAS may include an immobilizer and/or a vehicle degradation system which shall comply with the requirements of Part III and /or Part IV respectively of this Regulation."

Paragraph 6.7.2.1., the reference to "Annex 10" amend to read "Annex 12".

Paragraph 7.2.11., amend at the end of the paragraph the bracketed reference to "Annex 8" to read "Annex 10".

Paragraph 7.2.12., amend the reference to "Annex 9" to read "Annex 11".

Paragraph 8.2., amend the reference to "Annex 7" to read "Annex 9".

Paragraph 16.4.2., amend to read:

"16.4.2. The number of this Regulation, followed by the letter "R", a symbol "A", "I" or "D" or such as "AI", "AD", "ID" or "AID" indicating if the system is a vehicle alarm system, an immobilizer or a vehicle degradation system or a combination of two or three of these letters, a dash and the approval number in the vicinity of the circle prescribed in paragraph 16.4.1."

Paragraph 16.8., amend the reference to "Annex 5" to read "Annex 7".

Insert a new paragraph 17.8., to read:

"17.8. The AS may include an immobilizer and/or a vehicle degradation system which shall comply with the requirements of Part III and /or Part IV respectively of this Regulation."

Paragraph 18.7.2.1., amend the reference to "Annex 10" to read "Annex 12".

Paragraph 34.2., amend the reference to "Annex 7" to read "Annex 9".

Insert a new Part IV, to read:

"PART IV - APPROVAL OF VEHICLE DEGRADATION SYSTEMS DURING
UNAUTHORISED USE AND APPROVAL OF VEHICLES WITH REGARD
TO A VEHICLE DEGRADATION SYSTEM 8/

41. DEFINITIONS

For the purposes of Part IV of this Regulation:

41.1. "Vehicle degradation system" (VDS) means a device which after previous activation is intended to prevent or to restrict a vehicle being driven away powered by its own engine after standstill of the vehicle;

Rem: Definitions could be re-discussed

41.2. "Activation" is a measure which sets the VDS to a state in which the vehicle can only be driven away powered by its own engine after previous standstill up to a defined restricted degree or in which movement is impeded;

41.3. "Activation device" means a device for activating the VDS;

41.4. "Warning signal" means a signal capable of indicating the activation state and the resulting imminent degradation of the vehicle to the vehicle user;

41.5. "Degradation" means a series of measures after which the vehicle can only be driven away up to a defined restricted degree powered by its own engine;

41.6. "Standstill" means the state ~~where the device for operating the engine is in the "off" position. Standstill can also exist where the device for operating the engine is not in the "off" position, but~~ where the vehicle speed is 0 km/h over a continuous period of not less than [15] seconds 1/;

1/ **Detection of the zero km/h might be between [0 and 4 km/h] depending on the method chosen by the vehicle/degradation system manufacturer**

41.7. "Deactivation" means a measure which resets the VDS into its deactivated state;

41.8. "Type of vehicle degradation system" means devices which do not differ in such essential aspects as:

- the VDS manufacturer's trade name or mark,
- the operation of the VDS,
- the kind of activation device.

8/ The term degradation is defined by CEN; TC 278, WG 14: "After theft systems for vehicle recovery"

42. APPLICATION FOR APPROVAL OF A VEHICLE DEGRADATION SYSTEM

- 42.1. The application for approval of an vehicle degradation system shall be submitted by the manufacturer of the vehicle degradation system or by his duly accredited representative.
- 42.2. For each type of vehicle degradation system the application must be accompanied by:
 - 42.2.1. Documentation in triplicate giving a description of the technical characteristics of the vehicle degradation system , the method of its installation and the measure taken against inadvertent activation;
 - 42.2.2. Three samples of the type of vehicle degradation system with all its components. Each of the main components must be clearly and indelibly marked with the applicant's trade name or mark and the type designation of that component.
 - 42.2.3. (A) vehicle(s) fitted with the vehicle degradation system to be type-approved, chosen by the applicant in agreement with the technical service responsible for conducting approval tests.
 - 42.2.4. Instructions in triplicate in accordance with paragraph 49. below.

43. APPLICATION FOR APPROVAL OF A VEHICLE

- 43.1. When an vehicle degradation system approved to Part IV of this Regulation is being used in a vehicle submitted for approval to Part IV of this Regulation, tests required to be passed by an vehicle degradation system in order to obtain vehicle approval to Part IV of this Regulation shall not be repeated.
- 43.2. The application for approval of a vehicle type with regard to its vehicle degradation system shall be submitted by the vehicle manufacturer or by his duly accredited representative.
- 43.3. It shall be accompanied by the under-mentioned documents in triplicate and by the following particulars:
 - 43.3.1. A detailed description of the vehicle type and of the vehicle parts related to the vehicle degradation system installed.
 - 43.3.2. A list of components necessary to identify vehicle degradation system which can be installed in the vehicle.
- 43.4. A vehicle representative of the type to be approved shall be submitted to the technical service.
- 43.5. A vehicle not comprising all the components proper to the type may be accepted provided that it can be shown, by the applicant to the satisfaction of the competent authority, that the absence of the components omitted has no effect on the results of the verifications, so far as the requirements of this Regulation are concerned.

- 43.6. When an vehicle degradation system approved to Part IV of this Regulation is being used, the type-approval communication of the vehicle degradation system shall also be supplied to the technical service.
44. APPROVAL OF A VEHICLE DEGRADATION SYSTEM
- 44.1. If the vehicle degradation system submitted for approval pursuant to this Regulation meets the requirements of paragraphs 46., 47. and 48. below, approval of that type of vehicle degradation system shall be granted.
- 44.2. An approval number shall be assigned to each type approved. Its first two digits (01 for the Regulation in its present form) 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 may not assign the same number to another type of vehicle degradation system.
- 44.3. Notice of approval or of extension or of refusal of approval of a type of vehicle degradation system pursuant to this Regulation shall be communicated to the Contracting Parties to the Agreement applying this Regulation by means of a form conforming to the model in annex 5 to this Regulation.
- 44.4. There shall be affixed, conspicuously and in a readily accessible place specified on the approval form, to the main component(s) of the vehicle degradation system conforming to a type of vehicle degradation system approved under this Regulation, an international approval mark consisting of:
- 44.4.1. A circle surrounding the letter "E" followed by the distinguishing number of the country which has granted approval; 1/ (see footnote of paragraph 4.4.1.);
- 44.4.2. The number of this Regulation, followed by the letter "R", a symbol "A", "I" or "D" or such as "AI", "AD", "ID" or "AID" indicating if the system is a vehicle alarm system, an immobilizer or a vehicle degradation system or a combination of the three, a dash and the approval number in the vicinity of the circle prescribed in paragraph 44.4.1.
- 44.5. The approval mark shall be clearly legible and indelible.
- 44.6. Annex 7 to this Regulation gives examples of arrangements of approval marks.
- 44.7. As an alternative to the approval mark described in paragraph 44.4. above, a certificate of conformity shall be issued for every vehicle degradation system offered for sale. Where an vehicle degradation system manufacturer supplies an approved unmarked vehicle degradation system to a vehicle manufacturer, for fitment by that manufacturer as original equipment for a vehicle model or range of vehicle models, the vehicle degradation system manufacturer shall supply a number of copies of the certificate of conformity to the vehicle manufacturer, sufficient for that manufacturer to obtain the vehicle approval to paragraph 45. of this Regulation. If the vehicle degradation system is made up of separate components, its main component(s) shall bear a reference mark and the certificate of conformity shall provide a list of such reference marks. A model of the certificate of conformity is given in annex 8 to this Regulation.

45. APPROVAL OF A VEHICLE

45.1. If the vehicle submitted for approval pursuant to this Regulation meets the requirements of paragraphs 46., 47., and 48. below, approval of that vehicle type shall be granted.

45.2. An approval number shall be assigned to each type approved. Its first two digits (01 for the Regulation in its present form) 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 may not assign the same number to another vehicle type.

45.3. Notice of approval or of extension or of refusal of approval of a vehicle type pursuant to this Regulation shall be communicated to the Contracting Parties to the Agreement applying this Regulation by means of a form conforming to the model in annex 6 to this Regulation.

45.4. 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 consisting of:

45.4.1. A circle surrounding the letter "E" followed by the distinguishing number of the country which has granted approval 1/ (see footnote of paragraph 4.4.1.);

45.4.2. The number of this Regulation, followed by the "R", a symbol "A" , "I" or "D" or such as "AI", "AD", "ID" or "AID" indicating if the vehicle has been approved with regard to its vehicle alarm system, an immobilizer or a vehicle degradation system or a combination of the three, a dash and the approval number to the right of the circle prescribed in paragraph 45.4.1.

45.5. 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 45.4.1. need not be repeated; in such a case the Regulation and approval numbers and the additional symbols of all the Regulations under which approval has been granted in the country which has granted approval under this Regulation shall be placed in vertical columns to the right of the symbol prescribed in paragraph 45.4.1.

45.6. The approval mark shall be clearly legible and indelible.

45.7. The approval mark shall be placed close to or on the vehicle data plate affixed by the manufacturer.

45.8. Annex 7 to this Regulation gives examples of arrangements of approval marks.

46. GENERAL SPECIFICATIONS

46.1. The activation of the VDS and the degradation of the vehicle may only follow these specifications.

- 46.2. If the VDS includes the possibility of a radio transmission, e.g. for ~~setting or unsetting activating or de-activating the VDS of the alarm or for alarm transmission~~, it shall comply with the relevant ETSI Standards, e.g. EN 300 220-1 V1.3.1. (2000-09) and EN 300 220-2 V1.3.1. (2000-09), EN 300 220-3 V1.1.1. (2000-09) and EN 301 489-3 V1.2.1. (2000-08) (including any advisory requirements). **In case of short range devices, ~~the~~ the frequency and maximum radiated power of radio transmissions for the setting and unsetting activating and de-activating the VDS of the alarm** must comply with the CEPT/ERC 9/ Recommendation 70-03 (1977) relating to the use of short range devices 10/.

Evidence of compliance can be provided by means of the manufacturer's own documents.

- 46.3. Vehicle degradation systems shall be so designed, manufactured and fitted that any equipped vehicle continues to meet the applicable technical requirements with regard to electromagnetic compatibility (EMC) in accordance to Regulation No. 10, as last amended.
- 46.4. The VDS shall not degrade the vehicle performance unless the state in accordance with paragraph 45.6. occurs. It shall not inadvertently become active or lead to a vehicle degradation. This applies, in particular, to states not corresponding to paragraph 46.6.
- 46.5. The installation of a VDS in a vehicle shall have no influence either on the performance or on the safe operation of the vehicle.
- 46.6. Failure of the VDS, or failure of its electrical supply shall not affect the safe operation of the vehicle.

9/ CEPT: Conference of European Posts and Communications.

ERC: European Radiocommunications Committee.

10/ Contracting Parties may prohibit the frequency and/or the power and may permit the use of other frequency and/or power.

- 46.7. A VDS may be combined with other vehicle systems or may be integrated into them. [In that case the VDS shall comply with the relevant ECE-regulations for complex electronic systems 11/].

- ~~46.8. In case of an aftermarket installation of a VDS, evidence must be provided to demonstrate that the vehicle with its modified components, if any, continues to comply with all applicable requirements.~~

~~The vehicle shall be examined by a competent technical service, to show the correct installation according to the manufacturers instructions.~~

47. PARTICULAR SPECIFICATIONS

47.1. Extent of the degradation

47.1.1. The VDS shall be designed so that it prevents or degrades the operation of the vehicle under its own power after previous standstill by means of influencing vehicle components required for the operation of the vehicle under its own power.

47.1.2. The installation of a VDS into a vehicle equipped with emission-reducing components in the exhaust line shall not result in uncombusted fuel impairing the performance of these components.

47.2. Operating reliability

The vehicle degradation device shall be so designed and built such that when installed as specified by the manufacturer it is able to withstand the environment within the vehicle for a reasonable lifetime (for testing see paragraph 44.). More particularly the electrical properties of the in-board circuitry shall not be adversely affected by the addition of the vehicle degradation system.

47.3. Operating safety

Steps shall be taken to ensure that the VDS does not change its state (activated / deactivated) as a result of the tests in accordance with paragraph 48. of this Regulation.

47.4. Activation of the VDS

The VDS can be activated from the outside (e.g. by a radio signal, induction loops) or by means of devices fitted in the vehicle when an unauthorized use is detected (e.g. theft detection, budgeting method).

The VDS can also be activated by means of a combination of these measures.

[Activation of the [VDS]

The [VDS] can be activated from the outside (e.g. by a radio signal, induction loops) or by means of devices fitted in the vehicle when an unauthorized use is detected (e.g. theft detection, budgeting method).

The [VDS] can also be activated by means of a combination of these measures. As a security function, the outside signal shall have at least 50,000 possible variations and incorporate a rolling code, or it shall require at least a 10-day scan time (5,000 variations and 24 hours of scan time).]

47.5. Degradation of the vehicle

47.5.1. To notify the vehicle user of activation of the VDS, suitable indication of a (visual, acoustic) warning signal in the vehicle interior is allowed.

The vehicle with VDS shall be equipped with a suitable acoustic and visual device for a warning signal, which is given after activation of VDS but at least 30s before real degradation of the vehicle.

47.5.2. When the VDS is in its activated state in accordance with paragraph 43.4. of this annex, and the standstill of the vehicle occurs for the first time, the vehicle shall be degraded by means of the measures indicated in paragraph 43.1.1. of this annex. The degraded vehicle may then be operated at:

- **limited acceleration and speed capabilities, or**
- **[the speed of the vehicle is below the prevailing speed limit, provided the maximum speed of the vehicle is always limited to the prevailing speed limit or the previous speed limit if lower.]**

In any case the maximum speed shall not be less than [30 km/h].

In this degraded state, a visual warning signal consisting of simultaneous flashing of all ~~turn signal lamps~~ **direction indicators** shall be provided until deactivation of VDS.

47.5.3. The VDS must not operate in such a way as to apply the brakes of the vehicle.

47.5.4. Provided the VDS is activated, the engine cannot be started any more under **one of the** following conditions **when the vehicle stands still and** :

- (a) the ignition is switched off and the vehicle's doors locked or
- (b) the ignition is switched off for more than [~~10~~ 5] minutes.

47.6. Deactivation

Deactivation by the unauthorised vehicle user shall not be possible.

48. OPERATION PARAMETERS AND TEST CONDITIONS

48.1. Operation parameters

All components of the VDS shall comply with the relevant prescriptions given in Part III, paragraph 33.

These tests do not apply to:

- (a) those components that are fitted and tested as part of the vehicle, whether or not a VDS is fitted (e.g. lamps); or,

- (b) those components that have previously been tested as part of the vehicle and for which documentary evidence has been provided.

48.2. Test conditions

All the tests shall be carried out in sequence on a single VDS. However, at the discretion of the test authority other samples may be used if this is not considered to affect the results of the other tests.

Upon completion of all the tests specified below, the VDS shall be tested under the test conditions specified in Part I, paragraph 7.2.1.2. to check that it continues to function normally. Where necessary, fuses may be replaced during the test.

All components of the VDS shall comply with prescriptions given in paragraphs 7.2.2. to 7.2.8. and 7.2.12. of Part I.

49. INSTRUCTIONS

(Paragraphs 49.1. to 49.3. only apply for the purposes of aftermarket installation).

Each vehicle degradation system shall be accompanied by:

49.1. Instructions for installation

49.1.1. The list of vehicles and vehicle models for which the device is intended. This list may be specific or generic, e.g. "all cars with petrol engines and 12 V negative earth batteries".

49.1.2. The method of installation illustrated by photographs and/or very clear drawings.

49.1.3. Detailed installation instructions provided by the supplier shall be such that when correctly followed by a competent installer, the safety and reliability of the vehicle is not affected.

49.1.4. The supplied installation instructions shall identify the electrical power requirements of the vehicle degradation system and, where relevant, shall advise an increasing of battery size.

49.1.5. The supplier shall provide post installation procedures for checking the vehicle. Particular attention shall be drawn to safety related features.

49.2. A blank installation certificate, an example of which is given in annex 9.

49.3. A general statement to the vehicle degradation system purchaser calling his attention to the following points:

49.3.1. the vehicle degradation system should be installed in accordance with the manufacturer's instructions;

- 49.3.2. the selection of a good installer is recommended (the vehicle degradation system manufacturer may be contacted to indicate appropriate installers);
- 49.3.3. the installation certificate supplied with the vehicle degradation system should be completed by the installer.
- 49.4. Instructions for use
- 49.5. Instructions for maintenance
- 49.6. A general warning regarding the dangers of making any alterations or additions to the vehicle degradation system ; such alterations and additions would automatically invalidate the certificate of installation referred to in paragraph 49.2. above.
50. MODIFICATION OF THE VEHICLE DEGRADATION SYSTEM TYPE OR VEHICLE TYPE AND EXTENSION OF APPROVAL

Every modification of the a vehicle degradation system type or vehicle type shall be notified to the administrative department which approved this type of a vehicle degradation system. The department may then either:

- consider that the modifications made are unlikely to have an appreciable adverse effect and that in any case the a vehicle degradation system or vehicle still complies with the requirements; or
- require a further test report for some or all of the tests described in paragraphs 46., 47. and 48. of this Regulation from the technical service responsible for conducting the tests.

Confirmation or refusal of approval, specifying the alteration, shall be communicated by the procedure specified in paragraph 44.3. above to the Contracting Parties to the Agreement applying this Regulation.

The competent authority issuing the extension of approval shall assign a serial number to each communication form drawn up for such an extension.

51. CONFORMITY OF PRODUCTION

The Conformity of production procedures shall comply with those set out in the Agreement, Appendix 2 (E/ECE(324-E/ECE/TRANS/505/Rev.2), with the following requirements:

- 51.1. Every vehicle degradation system or vehicle approved under this Regulation with regard to its a vehicle degradation system shall be so manufactured as to conform to the type approved by meeting the requirements set out in paragraphs 46., 47. and 48. above.

51.2. The authority which has granted approval may at any time verify the conformity control methods applied in each production facility. The normal frequency of these verifications shall be one every two years.

52. PENALTIES FOR NON-CONFORMITY OF PRODUCTION

52.1. The approval granted in respect of a type of a vehicle degradation system or a type of vehicle pursuant to this Regulation may be withdrawn if the requirements laid down in paragraph 51. above are not complied with.

52.2. If a Contracting 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 form conforming to the models in annex 5 and annex 6 to this Regulation.

53. PRODUCTION DEFINITELY DISCONTINUED

If the holder of the approval completely ceases to manufacture a type of vehicle degradation system or a type of vehicle 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 Contracting Parties to the Agreement applying this Regulation by means of a form conforming to the model in annex 5 or annex 6 to this Regulation.

54. TRANSITIONAL PROVISIONS

54.1. As from the official date of entry into force of Supplement 4 to the 01 series of amendments, no Contracting Party applying this Regulation shall refuse to grant ECE for approval with regard to a vehicle degradation system under Part IV of this Regulation as amended by Supplement 4 to the 01 series of amendments.

54.2. Type approval of an a vehicle degradation system

Upon the expiration of a period of 12 months after the official date of entry into force of Supplement 4 to the 01 series of amendments, Contracting Parties applying this Regulation shall grant approval only if the type of vehicle degradation system satisfies the applicable requirements of Supplement 4 to the 01 series of amendments.

54.3. Approval of a vehicle type

Upon the expiration of a period of 24 months after the official date of entry into force of Supplement 4 to the 01 series of amendments, Contracting Parties applying this Regulation shall grant approval only if the vehicle type satisfies the applicable requirements of Supplement 4 to the 01 series of amendments.

55. NAMES AND ADDRESSES OF TECHNICAL SERVICES RESPONSIBLE FOR CONDUCTING APPROVAL TESTS, AND OF ADMINISTRATIVE DEPARTMENTS

The Contracting Parties to the Agreement applying 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 extension or refusal or withdrawal of approval, issued in other countries are to be sent."

Insert new annexes 5 and 6, to read:

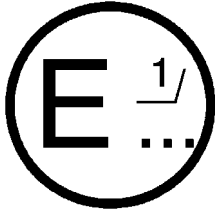
"Annex 5

COMMUNICATION

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

issued by: Name of administration:

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



concerning: 2/

- APPROVAL GRANTED
- APPROVAL EXTENDED
- APPROVAL REFUSED
- APPROVAL WITHDRAWN
- PRODUCTION DEFINITELY DISCONTINUED

of a type of a vehicle degradation system pursuant to Part IV of Regulation No. 97

Approval No.

Extension No.

1. Trade name or mark of the vehicle degradation system:
2. Type of a vehicle degradation system:
3. Manufacturer's name and address:
4. If applicable, name and address of manufacturer's representative:
5. Brief description of the vehicle degradation system:
.
6. Type of vehicle on which the vehicle degradation system has been tested:
7. If applicable, type(s) of vehicle(s) to which the vehicle degradation system is intended to be fitted:
8. System submitted for approval on:
9. Technical service responsible for conducting approval tests:
.
10. Date of report issued by that service:

11. Number of report issued by that service:
12. Approval has been granted/extended/refused/withdrawn 2/
13. Reason (s) for extension of approval:
14. If applicable, position of the approval mark(s) on the main components:
15. Place:
16. Date:
17. Signature:
18. The following documents, bearing the approval number show above, are attached to this communication:

list of components, duly identified, constituting the vehicle degradation system ;
list of files deposited with the Administrative Service which has granted type approval, and which can be obtained upon request.

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

2/ Strike out what does not apply.

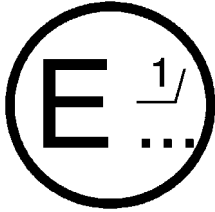
Annex 6

COMMUNICATION

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

issued by: Name of administration:

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



concerning: 2/

- APPROVAL GRANTED
- APPROVAL EXTENDED
- APPROVAL REFUSED
- APPROVAL WITHDRAWN
- PRODUCTION DEFINITELY DISCONTINUED

of a vehicle type with regard to its vehicle degradation system pursuant to Part IV of Regulation No. 97

Approval No.

Extension No.

1. Trade name or mark of the vehicle:
2. Vehicle type:
3. Manufacturer's name and address:
4. If applicable, name and address of manufacturer's representative:
5. Brief description:
6. Vehicle submitted for approval on:
7. Technical service responsible for conducting approval tests: ...
8. Date of report issued by that service:
9. Number of report issued by that service:
10. Approval has been granted/extended/refused/withdrawn 2/:
11. Reason (s) for extension of approval:

12. Position of the approval mark on the vehicle:

13. Place:

14. Date:

15. Signature:

16. The following documents, bearing the approval number shown above, are attached to this communication:

brief description of the vehicle degradation system and the vehicle part(s) on which it (they) act(s);

list of files deposited with the Administrative Service which has granted type approval, and which can be obtained upon request.

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

2/ Strike out what does not apply."

Annex 5 (former), renumber as "Annex 7" and amend to read:

"Annex 7

ARRANGEMENTS OF APPROVAL MARKS
Model A

Figure 1

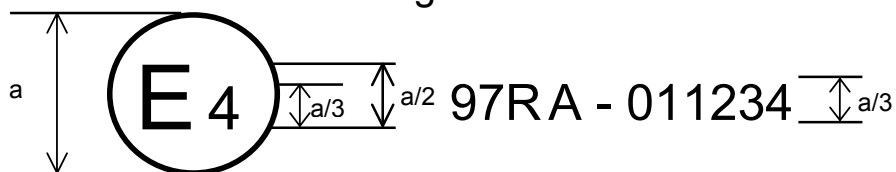


Figure 2

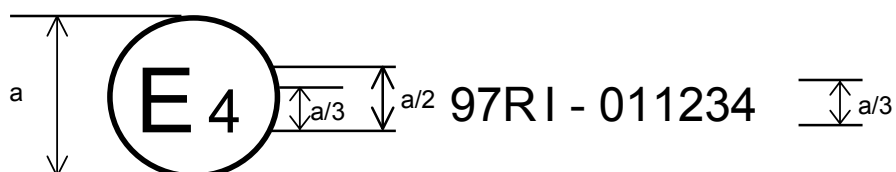


Figure 3

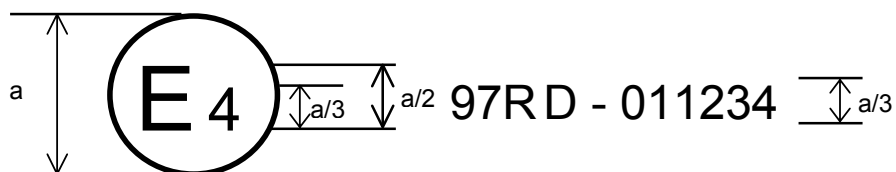


Figure 4

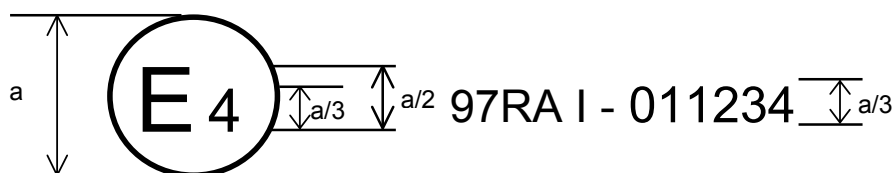


Figure 5

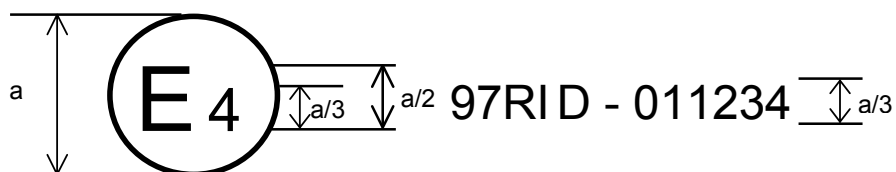


Figure 6

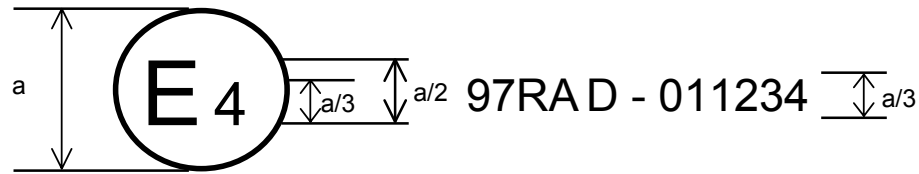
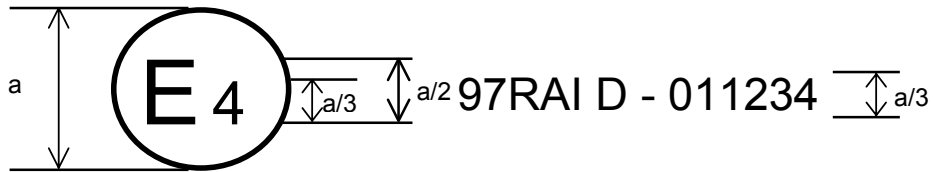


Figure 7



a = 8 mm min.

The captions to Model A, amend to read:

".....

The above approval mark figure 4 affixed to a vehicle or a VAS and an immobilizer shows that the type concerned has been approved in the Netherlands (E 4), pursuant to Regulation No. 97 under approval No. 011234.

The above approval mark figure 5 affixed to a vehicle or an immobilizer and a vehicle degradation system shows that the type concerned has been approved in the Netherlands (E 4), pursuant to Regulation No. 97 under approval No. 011234.

The above approval mark figure 6 affixed to a vehicle or a VAS and a vehicle degradation system shows that the type concerned has been approved in the Netherlands (E 4), pursuant to Regulation No. 97 under approval No. 011234.

The above approval mark figure 7 affixed to a vehicle or a VAS and an immobilizer and a vehicle degradation system shows that the type concerned has been approved in the Netherlands (E 4), pursuant to Regulation No. 97 under approval No. 011234.

The first two digits of the approval number indicate that the approval was granted in accordance with the requirements of Regulation No. 97 as amended by the 01 series of amendments."

The caption to Model B, amend to read:

"..... on the dates on which these approvals were granted, Regulation No. 18 included the 02 series of amendments and Regulation No. 97 included the 01 series of amendments.

Annex 6 (former), renumber as "Annex 8", amend the words "Testify that the vehicle alarm system/immobilizer described below:" to read "Testify that the vehicle alarm system/immobilizer/vehicle degradation system... "

Annex 7 (former), renumber as "Annex 9", amend the words "Description of the vehicle alarm system/immobilizer:" to read "Description of the vehicle alarm system/immobilizer/vehicle degradation system"

Annex 8 (former), renumber as "Annex 10".

Annex 9 (former), renumber as "Annex 11", and amend as follows:
Throughout the text, amend the acronym " VAS/AS/immobilizer" to read
"VAS/AS/immobilizer/vehicle degradation system "
(eleven times);

Annex 10 (former), renumber as "Annex 12".
