

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

Working Party on the Transport of Dangerous Goods

Eighty-sixth session,
Geneva, 5-8 May 2009

PROPOSALS FOR AMENDMENTS TO ANNEXES A AND B OF ADR

Sections 8.2.1 and 8.2.2: Driver training

Transmitted by the Government of the United Kingdom

Section 8.2.1 and 8.2.2 as amended in accordance with document ECE/TRANS/WP.15/2009/4 are reproduced hereafter with changes highlighted.

The new text is underlined and the deleted text is ~~stricken out~~.

8.2.1 General requirements concerning the training of drivers

- 8.2.1.1 Drivers of vehicles carrying dangerous goods shall hold a certificate issued by the competent authority ~~or by any organization recognized by that authority~~ stating that they have participated in a training course and passed an examination on the particular requirements that have to be met during carriage of dangerous goods.
- 8.2.1.2 Drivers of vehicles carrying dangerous goods other than in tanks shall attend a basic training course. Training shall be given in the form of a course approved by the competent authority. Its main objectives are to make drivers aware of hazards arising in the carriage of dangerous goods and to give them basic information indispensable for minimizing the likelihood of an incident taking place and, if it does, to enable them to take measures which may prove necessary for their own safety and that of the public and the environment, for limiting the effects of an incident. This training, which shall include individual practical exercises, shall act as the basis of training for all categories of drivers covering at least the subjects defined in 8.2.2.3.2. The competent authority may approve restricted basic training courses limited to specific dangerous goods or a specific Class or Classes of dangerous goods other than those specified in 8.2.2.3.
- 8.2.1.3 Drivers of vehicles or MEMUs carrying dangerous goods in fixed tanks or demountable tanks with a capacity exceeding 1 m³, drivers of battery-vehicles with a total capacity exceeding 1 m³ and drivers of vehicles or MEMUs carrying dangerous goods in tank-containers, portable tanks or MEGCs with an individual capacity exceeding 3 m³ on a transport unit, shall attend a specialization training course for carriage in tanks covering at least the subjects defined in 8.2.2.3.3. The competent authority may approve restricted tank specialization training courses limited to specific dangerous goods or to a specific Class or Classes of dangerous goods other than those specified in 8.2.2.3.
- 8.2.1.4 Drivers of vehicles carrying substances or articles of Class 1, other than substances and articles of Division 1.4, compatibility group S (see additional requirement S1 in Chapter 8.5), drivers of MEMUs carrying mixed loads of substances or articles of Class 1 and substances of Class 5.1 (see 7.5.5.2.3) and drivers of vehicles carrying certain radioactive material (see special provisions S11 and S12 in Chapter 8.5) shall attend specialization training courses covering at least the subjects defined in 8.2.2.3.4 or 8.2.2.3.5.
- 8.2.1.5 ~~By means of appropriate endorsements on his certificate made e~~very five years ~~by the competent authority or by any organization recognized by that authority,~~ a vehicle driver shall be able to show that he has in the year before the date of expiry of his certificate completed refresher training and has passed a corresponding examination. The competent authority shall issue a new certificate, the ~~The new~~ period of

validity of which shall begin with the date of expiry of the previous certificate.

8.2.1.6 Initial or refresher basic training courses and initial or refresher restricted basic or specialization training courses may be given in the form of comprehensive courses, conducted integrally, on the same occasion and by the same training organization.

8.2.1.7 Initial training courses, refresher courses, practical exercises, examinations and the role of competent authorities shall comply with the provisions of 8.2.2.

8.2.1.8 All training certificates conforming to the requirements of this section and issued in accordance with the model shown in 8.2.2.8.3 by the competent authority of a Contracting Party ~~or by any organization recognized by that authority~~ shall be accepted during their period of validity by the competent authorities of other Contracting Parties.

8.2.1.9 The competent authority shall maintain up-to-date registers of all valid training certificates for drivers issued by it or by any recognized organization which shall include all of the information shown on each certificate.

~~8.2.1.9 The certificate shall be prepared in the language or one of the languages of the country of the competent authority which issued the certificate or recognized the issuing organization and, if this language is not English, French or German, also in English, French or German, except where otherwise provided by agreements concluded between the countries concerned with the transport operation.~~

8.2.2 Special requirements concerning the training of drivers

8.2.2.1 The necessary knowledge and skills shall be imparted by training covering theoretical courses and practical exercises. The knowledge shall be tested in an examination.

8.2.2.2 The training provider shall ensure that the training instructors have a good knowledge of, and take into consideration, recent developments in regulations and training requirements relating to the carriage of dangerous goods. The training shall be practice-related. The training programme shall conform with the approval, on the subjects set out in 8.2.2.3.2 to 8.2.2.3.5. The initial training and refresher training shall also include individual practical exercises (see 8.2.2.4.5).

8.2.2.3 *Structure of training*

8.2.2.3.1 Initial and refresher training shall be given in the form of a basic course and, when applicable, specialization courses.

8.2.2.3.2 Subjects to be covered by the basic course [and the restricted basic course](#) ~~will~~ [shall](#) be, at least:

- (a) General requirements governing the carriage of dangerous goods;
- (b) Main types of hazard;
- (c) Information on environmental protection in the control of the transfer of wastes;
- (d) Preventive and safety measures appropriate to the various types of hazard;
- (e) What to do after an accident (first aid, road safety, basic knowledge about the use of protective equipment, [instructions in writing](#), etc.);
- (f) Marking, labelling, placarding and orange-coloured plate marking;
- (g) What a driver should and should not do during the carriage of dangerous goods;
- (h) Purpose and the method of operation of technical equipment on vehicles;
- (i) Prohibitions on mixed loading in the same vehicle or container;
- (j) Precautions to be taken during loading and unloading of dangerous goods;
- (k) General information concerning civil liability;
- (l) Information on multimodal transport operations;
- (m) Handling and stowage of packages;
- (n) Traffic restrictions in tunnels and instructions on behaviour in tunnels (prevention [of incidents](#), ~~and~~ safety, action in the event of fire or other emergencies, etc.);

[\(o\) Security awareness.](#)

[Where a competent authority has authorised restricted basic training courses, the subjects to be covered may be amended to address specific dangerous goods or Class\(es\) requirements.](#)

8.2.2.3.3 Special subjects to be covered by the specialization course for carriage in tanks shall be, at least:

- (a) Behaviour of vehicles on the road, including movements of the load;

- (b) Specific requirements of the vehicles;
- (c) General theoretical knowledge of the various and different filling and discharge systems;
- (d) Specific additional provisions applicable to the use of those vehicles (certificates of approval, approval marking, placarding and orange-coloured plate marking, etc.).

Where a competent authority has authorised restricted tank specialization training courses, the subjects to be covered may be amended to address specific dangerous goods or Class(es) requirements.

8.2.2.3.4 Special subjects to be covered by the specialization course for the carriage of substances and articles of Class 1 shall be, at least:

- (a) Specific hazards related to explosive and pyrotechnical substances and articles;
- (b) Specific requirements concerning mixed loading of substances and articles of Class 1.

8.2.2.3.5 Special subjects to be covered by the specialization course for the carriage of radioactive material of Class 7 shall be, at least:

- (a) Specific hazards related to ionizing radiation;
- (b) Specific requirements concerning packing, handling, mixed loading and stowage of radioactive material;
- (c) Special measures to be taken in the event of an accident involving radioactive material.

8.2.2.4 Initial training programme

8.2.2.4.1 The minimum duration of the theoretical element of each initial course or part of the comprehensive course shall be as follows:

Basic course	18 teaching units ¹
Specialization course for carriage in tanks	12 teaching units ¹
Specialization course for carriage of substances and articles of Class 1	8 teaching units

¹ Additional teaching units are required for practical exercises referred to in 8.2.2.4.5 below which will vary depending on the number of drivers under instruction.-

Specialization course for carriage of
radioactive material of Class 7

8 teaching units

Where a competent authority has authorised a restricted basic or restricted tank specialization training course the number of teaching units may be reduced to not less than 10 teaching units.

8.2.2.4.2 The total duration of the comprehensive course may be determined by the competent authority, who shall maintain the duration of the basic course and the specialization course for tanks, but may supplement it with shortened specialization courses for Classes 1 and 7.

8.2.2.4.3 Teaching units are intended to last 45 minutes.

8.2.2.4.4 Normally, not more than eight teaching units are permitted on each day of the course.

8.2.2.4.5 The individual practical exercises shall take place in connection with the theoretical training, and shall at least cover first aid, fire-fighting and what to do in case of an incident or accident. Practical exercises for fire-fighting may only be replaced by live and video instruction and demonstration where national health, safety or environmental legislation precludes such practical exercises taking place.

8.2.2.5 *Refresher training programme*

8.2.2.5.1 Refresher training undertaken at regular intervals serves the purpose of bringing the drivers' knowledge up to date; it shall cover new technical, legal and substance-related developments.

8.2.2.5.2 Refresher training shall have been completed before the period referred to in 8.2.1.5 has expired.

8.2.2.5.3 The duration of the refresher training including individual practical exercises shall be of at least two days.

8.2.2.5.4 Normally, not more than eight teaching units shall be permitted on each training day.

8.2.2.6 *Approval of training*

8.2.2.6.1 The training courses shall be subject to approval by the competent authority.

8.2.2.6.2 Approval shall only be given with regard to applications submitted in writing.

8.2.2.6.3 The following documents shall be attached to the application for approval:

(a) A detailed training programme specifying the subjects taught and indicating the time schedule and planned teaching methods;

(b) Qualifications and fields of activities of the teaching personnel;

(c) Information on the premises where the courses take place and on the teaching materials as well as on the facilities for the practical exercises;

(d) Conditions of participation in the courses, such as number of participants.

8.2.2.6.4 The competent authority shall organize the supervision of training and examinations.

8.2.2.6.5 Approval shall be granted in writing by the competent authority subject to the following conditions:

(a) The training shall be given in conformity with the application documents;

(b) The competent authority shall be granted the right to send authorized persons to be present at the training courses and examinations;

(c) The competent authority shall be advised in time of the dates and the places of the individual training courses;

(d) The approval may be withdrawn if the conditions of approval are not complied with.

8.2.2.6.6 The approval document shall indicate whether the courses concerned are basic, restricted basic, restricted tank specialization or specialization courses, initial or refresher courses.

8.2.2.6.7 If the training body, after a training course has been given approval, intends to make any alterations with respect to such details as were relevant to the approval, it shall seek permission in advance from the competent authority. This applies in particular to changes concerning the training programme.

8.2.2.7 Examinations

8.2.2.7.1 *Examinations for the initial basic or restricted basic training course*

8.2.2.7.1.1 After completion of the basic training or restricted basic training, including the practical exercises, an examination shall be held on the basic or restricted basic course.

- 8.2.2.7.1.2 In the examination, the candidate has to prove that he has the knowledge, insight and skill for the practice of professional driver of vehicles carrying dangerous goods as provided in the basic training [or restricted basic](#) course.
- 8.2.2.7.1.3 For this purpose the competent authority, or the examination body approved by that authority, shall prepare a catalogue of questions which refer to the items summarized in 8.2.2.3.2. Questions in the examination shall be drawn from this catalogue. The candidates shall not have any knowledge of the questions selected from the catalogue prior to the examination.
- 8.2.2.7.1.4 A single examination for comprehensive courses may be held.
- 8.2.2.7.1.5 Each competent authority shall supervise the modalities of the examination.
- 8.2.2.7.1.6 The examination shall take the form of a written examination or a combination of a written and oral examination. Each candidate shall be asked at least 25 written questions. The duration of the examination shall be at least 45 minutes. The questions may be of a varying degree of difficulty and be allocated a different weighting.
- 8.2.2.7.2 *Examinations for initial specialization [or restricted specialization](#) courses for carriage in tanks or [initial restricted tank specialization courses for carriage in tanks](#) or for carriage of explosive substances and articles or radioactive material*
- 8.2.2.7.2.1 After having sat the examination on the basic course and after having attended the specialization [or restricted specialization](#) course for carriage in tanks or for the carriage of explosive or radioactive material, the candidate shall be allowed to take part in the corresponding examination.
- 8.2.2.7.2.2 This examination shall be held and supervised on the same basis as in 8.2.2.7.1.
- 8.2.2.7.2.3 At least 15 questions shall be asked with respect to each specialization course.
- 8.2.2.7.3 *Examinations for refresher training*
- 8.2.2.7.3.1 After having undertaken refresher training the candidate shall be allowed to take part in the corresponding examination.
- 8.2.2.7.3.2 The examination shall be held and supervised on the same basis as set out in 8.2.2.7.1.
- 8.2.2.7.3.3 In the examination at least 15 questions shall be asked with respect to the refresher training.

8.2.2.8 *Certificate of driver's training*

8.2.2.8.1 According to 8.2.1.8, the certificate shall be issued:

(a) After completion of a basic training course, provided the candidate has successfully passed the examination in accordance with 8.2.2.7.1;

(b) If applicable, after completion of a specialization course for carriage in tanks or carriage of explosive substances or articles or of radioactive material, or after having acquired the knowledge referred to in special provisions S1 and S11 in Chapter 8.5, provided the candidate has successfully passed an examination in accordance with 8.2.2.7.2.

(c) If applicable, after completion of a restricted basic or restricted tank specialization training course, provided the candidate has successfully passed the examination in accordance with 8.2.2.7.1. The certificate issued shall clearly indicate its limited scope of validity to the relevant dangerous goods or Class/es.

8.2.2.8.2 The certificate shall be renewed if the candidate furnishes proof of his participation in refresher training in accordance with 8.2.1.5 and if he has passed an examination in accordance with 8.2.2.7.3.

8.2.2.8.3 The certificate shall have the layout of the model belowshown in 8.2.2.8.5. It is recommended that the format shall be the same as the European national driving permit, namely A7 (105 mm × 74 mm), or a double sheet that can be folded to that format. Its dimensions shall be in accordance with ISO 7810:2003 ID-1 and shall be made of plastic. The colour shall be white with black lettering. The background shall include an additional security feature such as a hologram, UV printing or guilloche patterns.

8.2.2.8.4 The certificate shall be prepared in the language or one of the languages of the country of the competent authority which issued the certificate and, if this language is not English, French or German, also in English, French or German, except where otherwise provided by agreements concluded between the countries concerned with the transport operation.

8.2.2.8.5 Model for the training certificate for drivers of vehicles carrying dangerous goods.

Front

ADR DRIVER TRAINING CERTIFICATE

GB*

1. CERTIFICATE NO.:

2. SURNAME:

3. OTHER NAME(S):

4. DATE OF BIRTH: dd/mm/yy

5. NATIONALITY:

6. DRIVER SIGNATURE:

7. VALID UNTIL: dd/mm/yy

Insert
driver
photograph

* Distinguishing sign for motor vehicles in international traffic prescribed in the Vienna Convention on Road Traffic (1986)

Back

VALID FOR CLASS(ES) OR UN Nos:

TANKS	OTHER THAN TANKS
8. Enter Class/Div or UN Number(s)	9. Enter Class/Div or UN Number(s)

For national regulations only:
10.

85.6mm

53.98 mm

NOTE: The numbers indicated in the Model Certificate must appear to identify the standard data fields. The wording in the Model Certificate shall be replaced by the details required except for data field 7.
