



ADR Dangerous  
Goods Driver  
Training  
Qualifications  
Core Unit

## What are the ADR Dangerous Goods Driver Training Qualifications?

These are the standards of training, assessment and certification for drivers of vehicles containing dangerous goods, based on the training requirements drawn up by the UK legislation and International agreements. They have been developed to make sure that they comply with the Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations (as amended) which apply the provisions of ADR European Agreement concerning the International Carriage of Dangerous Goods by Road Council Directive (as amended).

They are necessary because UK law makes these requirements part of the dangerous goods industry responsibility – a regulatory requirement – to help keep the transportation of dangerous goods safe.

The key areas are

- ◆ The drivers knowledge and skills necessary in their core operational duties
- ◆ The practical application of specific health and safety techniques
- ◆ The preventative and safety measures appropriate to the various types of hazards in Classes 2, 3, 4, 5, 6, 8, 9
- ◆ The specialist knowledge and skills necessary for drivers of vehicles carrying dangerous goods in packages and/or bulk

- ◆ The specialist knowledge and skills necessary for drivers of vehicles carrying dangerous goods in fixed tanks or demountable tanks with a capacity exceeding 1m<sup>3</sup>, drivers of battery-vehicles with a total capacity exceeding 1m<sup>3</sup> and drivers of vehicles carrying dangerous goods in tank containers, portable tanks or MEGCs with an individual capacity exceeding 3m<sup>3</sup> on a transport unit
- ◆ The specialist knowledge and skills necessary for drivers of vehicles carrying substances or articles of Class 1
- ◆ The specialist knowledge and skills necessary for drivers of vehicles carrying radioactive material of Class 7

Employers will look for the relevant qualifications when they are appointing new staff for the transportation of dangerous goods. They also expect their existing staff to have these qualifications.

Understanding and applying these skills in these key areas are important because they help you work effectively in your present job and also prepare you for jobs within the sector which you may do in future. Developing your knowledge of the dangerous goods legislation helps you deal with today's rapidly changing world and improve your career prospects. That's also why employers value them.

# The Carriage of Dangerous Goods and the Use of Transportable Pressure Equipment Regulations ADR Dangerous Goods Driver Training Core Unit

## What is this Unit about?

This specification is based on the training requirements drawn up by the Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations (as amended) which apply the provisions of ADR European Agreement concerning the International Carriage of Dangerous Goods by Road Council Directive (as amended). Training shall be given in the form of a course approved by Department for Transport and shall act as the basis of training for all categories of driver. This unit's objectives are:

1. To make drivers aware of hazards arising in the carriage of dangerous goods;
2. To give them basic information indispensable for minimising the likelihood of an incident taking place;
3. To enable them to take measures which may prove necessary for their own safety and that of the public and the environment should an incident take place;
4. For limiting the effects of an incident;
5. To demonstrate drivers' competence through the use of individual practical exercises covering:
  - a. Basic Emergency First Aid;
  - b. Fire Prevention;
  - c. What to do in case of an incident or accident.

## What should I know or be able to do before I start?

It is anticipated that those undertaking this unit will have some relevant knowledge gathered by either working in the freight logistics industry or through prior study.

## What will I know or be able to do when I achieve this Unit?

On successful completion of this unit, you should have sufficient knowledge to be enabled to effectively carry out your role as a driver of dangerous goods throughout the UK and Europe, as specified in the current ADR and UK Regulations. This will enable you to take measures that may prove necessary for your own safety and for that of the public and environment for limiting the effects of an incident.

## What might this involve?

Compulsory attendance on an approved training course will be required.

A minimum of 11 x 45 minute teaching units, including practical exercises for initial candidates

A minimum of 6 x 45 minute teaching units, including practical exercises for refresher candidates

## Course Structure

If you are an initial or refresher candidate you must start with the core unit followed by a mode\* (packages and/or bulk unit and/or tanker unit) followed by at least one class (this can be either individual class papers or the common characteristics route).

\* Candidates who only require Class 1 and/or Class 7 are not required to sit a mode paper, however if they wish to add any of the other classes to their existing entitlement they are required to sit either or both of the mode papers

You cannot sit this unit as an add on to your existing ADR Driver Training Certificate.

All examinations must be sat at the end of your training course

## How will this Unit be delivered?

This unit will be delivered in accordance with the prescribed standards in a classroom environment with class participation, together with the use of illustrative examples, visual aids and where applicable practical demonstrations.

The practical exercise will be done by means of:

1. Instruction, followed by an exercise based on a written scenario and completed individually for the emergency incident exercise;
2. Instruction and demonstration, using a suitable resuscitation model, and other members of the class as appropriate, and by practice on the model and on each other as appropriate for the first aid exercise;
3. Instruction and demonstration, using examples of fire extinguishers and a suitable video for the fire prevention exercise.

## How will I show that I have achieved this Unit?

By passing an examinations which consist of 25 multiple-choice questions.

You must achieve a minimum pass mark of 70% in the examination and complete the practical exercises to the satisfaction of the course Instructor. Any failed examination must be retaken and successfully completed with any examination passes being held for a maximum of 12 months from original notification of results.

## What must I do next?

Progression routes must include further study which may include carriage of dangerous goods in packages and/or bulk, carriage of dangerous goods in tanks, Class specific, Class 1 and Class 7, further industry sector specific on the job training and practical experience.

Undertake refresher training within the year before the date of expiry of any certificate issued if you wish to continue certification.

## Further Guidance

This unit is supported by the Department for Transport and HSENI Manual of Practice.

# Guidance for instructors

The assessment criteria are detailed in Appendices A and B.

## Appendix A - Core

- ◆ The general requirements governing the carriage of dangerous goods
- ◆ Information on the control of the transfer of wastes and environmental protection
- ◆ Driver responsibilities during the carriage of dangerous goods
- ◆ The prohibitions on mixed loading in the same vehicle or container
- ◆ Information on multimodal transport operations
- ◆ Security and “High Consequence Dangerous Goods”
- ◆ General information concerning civil liability
- ◆ Basic knowledge about the use of personal protective equipment

## Appendix B - Practical exercises

- ◆ The administration of basic emergency first aid techniques
- ◆ Fire prevention
- ◆ What to do in the case of an incident or accident

## ADMINISTRATIVE INFORMATION

### Credit Value

To be advised



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## Training and Assessment Specification

These appendices provide detailed information on the requirements for the training and assessment.

### Appendix A - Core

Subject	Areas to be covered
1. The general requirements governing the carriage of dangerous goods	1.1.1 Regulations concerning the need for training, to mention the Health & Safety Work Act (section 2) 1.1.2 The drivers duty to transport dangerous goods safely through knowledge, skill and careful driving, Health & Safety Work Act 1.1.3 The requirements of national regulations, international agreements and codes of practice with specific reference to ADR, RID, IMDG, ICAO & Domestic Regulations 1.1.4 How these relate to the duties of the driver 1.1.5 Responsibilities of Consignors, Carriers, Consignees and to the public 1.1.6 The main hazards of substances in Classes 2, 3, 4, 5, 6, 8 and 9 1.1.7 The allocation and purpose of UN Numbers 1.1.8 The allocation and purpose of Packing Groups 1.1.9 The allocation and purpose of Transport Categories
<b>Training note:</b> This section must include a suitable visual presentation to cover “The main hazards of substances in Classes 2, 3, 4, 5, 6, 8 and 9.”	
<b>Examination Questions: 5</b>	

Subject	Areas to be Covered
1. Information on the control of the transfer of wastes and environmental protection	1.2.1 The disposal of dangerous substances and wastes 1.2.2 Domestic Regulations and International Conventions on the transfer of wastes 1.2.3 Environmentally hazardous substance mark
<b>Examination Questions: 2</b>	

Subject	Areas to be Covered
1. Driver responsibilities during the carriage of dangerous goods	1.3.1 Documents relating to the vehicle, the load and the driver 1.3.2 Instructions in Writing Vehicle markings 1.3.3 The miscellaneous equipment to be carried by a vehicle as per ADR 1.3.4 Procedures at the vehicle loading point 1.3.5 Operating vehicle technical equipment 1.3.6 Checks before setting out and during the journey 1.3.7 Traffic restrictions in tunnels, instructions on behavior in tunnels and tunnel codes 1.3.8 Vehicle supervision and parking 1.3.9 Actions in the event of a breakdown 1.3.10 Procedure at the vehicle unloading point
<b>Examination Questions: 5</b>	

<b>Subject</b>	<b>Areas to be Covered</b>
1. The prohibitions on mixed loading in the same vehicle or container	1.4.1 The general and specific rules on the segregation of dangerous substances. 1.4.2 How to segregate dangerous substances
<b>Examination Questions: 1</b>	

<b>Subject</b>	<b>Areas to be Covered</b>
1. Information on multimodal transport operations	1.5.1 Information on multi-modal transport operations, the interrelation of road/sea/rail regulations and operations at points of interchange
<b>Examination Questions: 1</b>	

<b>Subject</b>	<b>Areas to be Covered</b>
1. Security and “High Consequence Dangerous Goods”	1.6.1 High Consequence Dangerous Goods 1.6.2 Use of the Dangerous Load Card 1.6.3 Reporting irregularities, suspicious activities and security incidents 1.6.4 Photographic Identification
<b>Training Note:</b> This outcome must include AV of “Security of Dangerous Goods by Road” and TRANSEC “Security Advice for Drivers”	
<b>Examination Questions: 2</b>	

<b>Subject</b>	<b>Areas to be Covered</b>
1. General information concerning civil liability	1.7.1 The concept and application of the responsibility for civil liability and duty of care to Consignors, Carriers and drivers 1.7.2 The basic differences between Criminal Law (Statute Law) and Civil Law
<b>Examination Questions: 1</b>	

<b>Subject</b>	<b>Areas to be Covered</b>
1. Basic knowledge about the use of personal protective equipment	1.8.1 Types of personal protective equipment 1.8.2 Uses and limitations 1.8.3 Decontamination
<b>Training note:</b> This subject to include audio/visual presentation or instructor demonstration on the safest way to put on and remove personal protective equipment and how to decontaminate it.	
<b>Examination Questions: 2</b>	

## Appendix B - Practical Exercises

Subject	Areas to be Covered
2. The administration of basic emergency first aid techniques	2.1.1 Assessing the situation and the unconscious casualty 2.1.2 Emergency treatment of burns 2.1.3 Chemical Contamination 2.1.4 Use of Eyewash 2.1.5 Control of bleeding 2.1.6 Demonstration of CPR & Recovery Position
<b>Training Note:</b> This outcome to be achieved by instruction and demonstration, using a suitable resuscitation model, and other members of the class as appropriate, and by practice on the model and on each other as appropriate.	
<b>Examination Questions: 2</b>	

Subject	Areas to be Covered
2. Fire Prevention	2.2.1 Fire Triangle 2.2.2 Vehicle Maintenance & Prevention 2.2.3 Types of Fire Extinguishers 2.2.4 Identification and Correct Use of Fire Extinguishers 2.2.5 Associated Risks
<b>Training note:</b> This subject to include a suitable audio/visual presentation	
<b>Examination Questions: 2</b>	

Subject	Areas to be Covered
2. What to do in the case of an incident or accident	2.3.1 General Actions ensuring personal safety 2.3.2 Informing and co-operating with the Emergency Services 2.3.3 Using and safe guarding the Instructions in Writing 2.3.4 Attend to the injured 2.3.5 Actions to be taken in the event of fire 2.3.6 Preventing the escape of dangerous goods and contamination 2.3.7 Reporting procedures and notification of occurrences involving the transport of dangerous goods to the Competent Authority( Informing the Carrier/RIDDOR)
<b>Training note:</b> This subject to include an exercise based on a written scenario to be completed individually.	
<b>Examination Questions: 2</b>	