



ADR Dangerous Goods Driver Training Qualifications

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 Agreement concerning the International Carriage of Dangerous Goods by Road Council Directive (as amended).

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 enable you to effectively carry out your role as a driver of dangerous goods throughout the UK and Europe, as specified in the current ADR and Domestic 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 and or accident.

What does this involve?

Compulsory attendance on an approved training course will be required.

- ◆ A minimum of 12 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

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 a desktop exercise based on a written pre-approved scenario and completed individually for the emergency incident and or accident 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?

This unit will be assessed by multiple-choice examination. You must achieve a minimum pass mark of 70% 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 result.

What can 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.

What will I have to do?

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.



Administrative information

unit code: 001
unit title: Core
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Version: 1.4

History of changes

Version	Description of change	Date
1.1	Revision of assessment criteria and reformatting of document	
1.2	Update on the use of DVDs within both Initial and Refresher Course	12 July 2016
1.3	ADR 2019 unit review	November 2018
1.4	ADR 2021 unit review	November 2020

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Guidance for instructors

All content detailed within the tables below must be taught.

Core

Learning objective	Areas to be covered
C.1 The general requirements governing the carriage of dangerous goods.	<p>C.1.1 Regulations concerning the need for training of all persons involved, to mention the Health & Safety at Work Act (Section 2 — general duties of employers to their employees).’</p> <p>C.1.2 Employers’ responsibility to conduct a risk assessment.</p> <p>C.1.3 The driver’s duty to transport dangerous goods safely through knowledge, skill and careful driving and their legal duty of care.</p> <p>C.1.4 GHS and UN Model Regulations, ADR, RID, IMDG, ICAO & Domestic Regulations. Information on multi-modal transport operations, the interrelation of road/sea/rail/air Regulations and operations at points of interchange.</p> <p>C.1.5 How these relate to the duties of the driver including the duty to attend training.</p> <p>C.1.6 Hierarchy of control of all parties involved including, responsibilities of Consignors, Carriers, Drivers, Consignees and the role of the DGSA.</p> <p>C.1.7 The main hazards of substances in Classes 2, 3, 4, 5, 6, 8 and 9 and Classes 1 and 7 Specialist training requirements.</p> <p>C.1.8 The allocation and purpose of UN Numbers and proper shipping names.</p> <p>C.1.9 The allocation and purpose of Packing Groups and where packing groups are not allocated.</p> <p>C.1.10 The allocation and purpose of Transport Categories and Exemptions, which apply with, regard to the load thresholds and other exemptions.</p>
Training note: This section must include a suitable video clip or DVD to cover ‘The main hazards of substances in Classes 2, 3, 4, 5, 6, 8 and 9’. (<i>Mandatory for initial and refresher courses</i>).	
C.2 Information on environmental protection in the control of the transfer of wastes.	<p>C.2.1 The disposal of dangerous substances articles and wastes.</p> <p>C.2.2 Domestic Regulations and International Conventions on the transfer of wastes.</p> <p>C.2.3 Documentation which must accompany the waste.</p> <p>C.2.4 Environmentally hazardous substance mark.</p>

Learning objective	Areas to be covered
C.3 Driver responsibilities during the carriage of dangerous goods.	C.3.1 Documents relating to the vehicle, the load (transport document, waste consignment note and Instructions in Writing), and the driver (ADR Certificate). C.3.2 Vehicle markings and responsibilities of all involved. C.3.3 The miscellaneous equipment to be carried by on a vehicle as per ADR and mentioned in Instructions in Writing. C.3.4 Procedures at the vehicle loading point including load security. C.3.5 Purpose and method of operating vehicle technical equipment. C.3.6 Checks before setting out and during the journey. C.3.7 Traffic restrictions in tunnels, instructions on behaviour in tunnels and tunnel codes. C.3.8 Vehicle supervision and parking. C.3.9 Actions to be taken in the event of a breakdown. C.3.10 Procedure to be taken at the vehicle unloading point.
C.4 The prohibitions on mixed loading in the same vehicle or container.	C.4.1 The general and specific rules on the segregation of dangerous substances. C.4.2 How to segregate dangerous substances.
C.5 Enforcement Action	C.5.1 Enforcement Agencies, non-compliance and penalties.
C.6 Security and 'High Consequence Dangerous Goods'.	C.6.1 Security and High Consequence Dangerous Goods and when this applies. C.6.2 Use of the Dangerous Load Card and driver's advice sheet. C.6.3 Reporting irregularities, suspicious activities and security incidents. C.6.4 Photographic Identification and compliance with security checks.
Training note: This section must include the DfT Lockdown video or DVD (<i>Mandatory for initial and refresher courses</i>).	

Learning objective	Areas to be covered
C.7 General information concerning civil liability.	C.7.1 The concept and application of the responsibility for civil liability and duty of care by Consignors, Carriers and drivers. C.7.2 The basic differences between Criminal Law (Statute Law) and Civil Law.
C.8 Basic knowledge about the use of personal protective equipment (PPE) and Respiratory Protective equipment (RPE).	C.8.1 Types of personal protective equipment including respiratory protective equipment. C.8.2 Uses and limitations depending on risk assessment and dangers involved. C.8.3 Decontamination procedures to be followed.
Training note: This subject to include video clip, DVD or instructor demonstration on the safest way to put on and remove personal protective equipment and how to decontaminate it. (<i>Mandatory for initial courses</i>).	

Table B — Practical Exercises

Learning objective	Areas to be covered
C.9 The administration of emergency first aid to include CPR and recovery position.	C.9.1 Assess the situation including any dangers to the driver, casualties and bystanders, as detailed in the Instructions in Writing. Treatment and/or avoidance of the following dangers as listed in the Instructions in Writing: C.9.2 Asphyxiation C.9.3 Chemical and general burns C.9.4 Frostbite C.9.5 Chemical contamination (including poisons and corrosives) C.9.6 Eye irrigation C.9.7 Control of Bleeding C.9.8 Participation of CPR and Recovery position
Training note: This outcome to be achieved by instruction, demonstration and practice, using a suitable resuscitation model, and other members of the class as appropriate.	

Learning objective	Areas to be covered
C.10 Fire Prevention.	C.10.1 Fire Triangle. C.10.2 Vehicle maintenance and preventative measures. C.10.3 Different types of fire extinguishers. C.10.4 Identification, correct and practical use of fire extinguishers. C.10.5 Associated risks of fire and incident control.
Training note: This subject to include a suitable video clip or DVD for initial and refresher courses. <i>(Practical exercise is not mandatory for refresher courses).</i>	
C.11 What to do in the case of an incident or accident.	C.11.1 General actions ensuring personal safety. C.11.2 Informing and co-operating with the emergency services. C.11.3 Using and safe guarding the transport document and Instructions in Writing. C.11.4 Attending to the injured where relevant. C.11.5 Actions to be taken in the event of fire. C.11.6 Preventing the escape of dangerous goods and environmental damage. C.11.7 Reporting procedures and notification of occurrences involving the transport of dangerous goods, informing the Carrier. C.11.8 The requirements for reporting serious accidents and incidents to the Competent Authority.
Training note: This subject to include an exercise based on a written scenario to be completed individually. <i>(Mandatory for initial and refresher courses).</i>	