



Higher National Unit Specification

General information for centres

Unit title: Police Operations: Transport of Dangerous Goods

Unit code: DN99 35

Unit purpose: This unit is designed to enable candidates to carry out safely, and report on, inspections of vehicles carrying dangerous goods to ensure that legislative requirements on the transport of dangerous goods by road are being met.

On completion of the Unit the candidate should be able to:

1. Explain legislation on the transport of dangerous goods
2. Carry out an inspection of a vehicle carrying dangerous goods
3. Report on inspections of vehicles carrying dangerous goods

Credit points and level: 1 Credit at SCQF level 8: (8 SCQF credit points at SCQF level 8*)

**SCQF points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to doctorates.*

Recommended prior knowledge and skills: Candidates should have a working knowledge of all aspects of road traffic legislation. This could be demonstrated by successful completion of the Professional Development Award: Diploma in Road Policing Operations. The Diploma units in Police Operations: Road Traffic Legislation and Police Operations: Road Traffic Patrols are likely to be particularly good preparation for this unit.

They should also be conversant with general police procedures which they could achieve through experience of working as a police officer. Candidates who are serving police officers should have successfully completed their probationary period and associated training courses.

Core skills: There may be opportunities to gather evidence towards core skills in this Unit, although there is no automatic certification of core skills or core skills components.

Context for delivery: This unit is a stand-alone unit associated with the Professional Development Award: Diploma in Road Policing Operations.

General information for centres (cont)

Assessment: This unit is assessed by the completion of an examination pertaining to Dangerous Goods Legislation supplemented by a practical exercise during which candidates will require to demonstrate their knowledge of and application of the European Agreement concerning International Carriage of Dangerous Goods by Road (ADR) manuals to categorise specific details relating to a vehicle carrying dangerous goods. This should be supplemented by a single integrated practical assignment in which candidates are required to carry out a dangerous goods inspection and decide whether or not prohibition notices should be issued. Candidates should then be asked to complete all necessary documentation to record the findings of their inspection.

Higher National Unit specification: statement of standards

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The sections of the Unit stating the Outcomes, knowledge and/or skills, and evidence requirements are mandatory.

(If you think holistic assessment is the best assessment strategy for the Unit and you wish to state *Knowledge and/or Skills* and *Evidence requirements* for the Unit as a whole, please add the following statement here: ‘Please refer to *Knowledge and/or skills for the Unit* and *Evidence requirements for the Unit* after the Outcomes.’)

Where evidence for Outcomes is assessed on a sample basis, the whole of the content listed in the knowledge and/or skills section must be taught and available for assessment. Candidates should not know in advance the items on which they will be assessed and different items should be sampled on each assessment occasion.

Outcome 1

Explain legislation on the transport of dangerous goods

Knowledge and/or skills

- ◆ Classification of dangerous goods
- ◆ Nature of hazards – personal; environmental
- ◆ Display of information on dangerous goods
- ◆ Construction requirements for vehicles carrying dangerous goods
- ◆ Safety and other requirements for drivers of vehicles carrying dangerous goods

Outcome 2

Carry out an inspection of a vehicle carrying dangerous goods

Knowledge and/or skills

- ◆ Health and safety precautions – safe inspection environment; personal safety
- ◆ False information
- ◆ Conduct of inspection

Higher National Unit specification: statement of standards (cont)

Unit title: Police Operations: Transport of Dangerous Goods

Outcome 3

Report on inspections of vehicles carrying dangerous goods

Knowledge and/or skills

- ◆ Offences in relation to current legislation
- ◆ Police powers to prohibit vehicles carrying dangerous goods
- ◆ Issuing a prohibition notice
- ◆ Completion of relevant documentation
- ◆ Appeals procedures

Evidence requirements for the Unit

Candidates must provide evidence consisting of:

- ◆ answers to an examination on underpinning knowledge
- ◆ a case study
- ◆ a practical assignment

The above evidence should cover all aspects of the knowledge and/or skills items.

The examination and the case study will cover knowledge and/or skills items from Outcome 1. Candidates must achieve a mark of 75% in the examination which should consist of 50 multiple choice questions and must be completed in 1 hour 15 minutes. It should be closed book and held in controlled conditions.

The case study should be completed in 1 hour 45 minutes. In it candidates will be required to demonstrate their knowledge of and application of the ADR manuals to categorise specific details relating to a vehicle carrying dangerous goods. During the case study, candidates may have access to relevant regulations and other materials relating to the transport of dangerous goods by road e.g. ADR Manuals. Candidates should achieve a mark of 75% for the case study.

The practical assignment should be based on a real or simulated work environment and should demonstrate that candidates can carry out an inspection of a vehicle carrying dangerous goods. The vehicle may be a packaged goods or a tank vehicle. Candidates must show that they can:

- ◆ take suitable precautions to ensure that a dangerous goods inspection is carried out in a safe environment
- ◆ take suitable personal safety precautions for the conduct of a dangerous goods inspection
- ◆ carry out a dangerous goods inspection in a manner which ensures that all aspects of current legislation are covered and which is consistent with relevant police procedures
- ◆ interpret information on hazardous substance labels, panels, signs and associated documentation in accordance with current legislation
- ◆ correctly identify any offences relating to the relevant legislation
- ◆ correctly determine whether or not a prohibition notice should be issued

Higher National Unit specification: statement of standards (cont)

Unit title: Police Operations: Transport of Dangerous Goods

- ◆ correctly complete, in a suitable format, all the necessary documentation including records of inspections where no offences were present

During the practical assignment, candidates may have access to relevant regulations and other materials relating to the transport of dangerous goods by road e.g. ADR Manuals.

Candidates should be supervised by an assessor when generating evidence for assessment and documentation should be provided in a written/electronic format. Candidates may provide oral evidence in the form of responses to assessor questions to supplement their practical and written evidence.

All evidence must relate to the legislation and regulations in force at the time at which evidence is generated.

Assessment guidelines for the Unit

Assessment for the unit can consist of an examination and associated case study plus an integrated practical assignment whereby candidates carry out a dangerous goods inspection and report on the results. The assessment activity relating to the inspection may be simulated although, if desired, an actual inspection could be used as the basis for assessment. In order to meet all the requirements of the unit, it will be necessary to ensure that the assessment provides the opportunity for candidates to interpret information on dangerous goods and to demonstrate that they can issue a prohibition notice where appropriate. Candidates may carry out the practical assignment in pairs as this replicates normal police procedure. However, each candidate must generate sufficient evidence by her or himself to cover all aspects of the evidence requirements.

The most appropriate time for candidates to generate practical evidence is likely to be towards the end of the unit but any examination may be held once candidates have completed the necessary instruction. It may be helpful to carry out some formative assessments during the delivery of the unit as this should allow candidates to monitor their progress against each knowledge and/or skills item.

Administrative Information

Unit code:	DN99 35
Unit title:	Police Operations: Transport of Dangerous Goods
Superclass category:	ZJ
Date of publication:	July 2005
Version:	01
Source:	SQA

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Higher National Unit specification: support notes

Unit title: Police Operations: Transport of Dangerous Goods

This part of the Unit specification is offered as guidance. The support notes are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

Guidance on the content and context for this Unit

This unit is intended for police officers and aims to enable them to carry out inspections of vehicles carrying dangerous goods and ensure that hazardous substances are being transported in accordance with current legal requirements. Candidates will normally be following a recognised training programme such as that provided by the Road Policing Division of the Scottish Police College. This is a stand-alone unit associated with the Professional Development Award: Diploma in Road Policing Operations.

The unit covers the underpinning legislation on transporting dangerous goods by road and the conduct of inspections. Throughout the unit, candidates should be aware of relevant police procedures. The legislation and procedures should be those which are in force at the time the unit is delivered.

Outcome 1

Dangerous goods: as classified by current Transport of Dangerous Goods by Road Regulations and any other current legislation

Hazards: fire; corrosion; poison; radiation; explosion

Display of information: packaging and labelling, quantities and containers; warning signs and information plates – symbols, Hazchem, ADR European methods of dealing with emergencies, spillage, fire, accident; mixed loads

Requirements for drivers: age; training; protection; safety

Outcome 2

Health and safety precautions: personal safety – protective clothing, safety equipment, goggles, gloves, helmet, face shield; environmental – identification of hazards, safe vehicle location, security and safety of the vehicle, security and safety of the load, presence of safety services, use of protective clothing and equipment

Prohibition notices – police powers; relevant documentation; appeals process.

Records of inspections: records required by the force.

Guidance on the delivery and assessment of this Unit

This unit can be delivered on a stand-alone basis or as part of a training programme for police officers involved in road policing operations.

Higher National Unit specification: support notes (cont)

Unit title: Police Operations: Transport of Dangerous Goods

Essentially, this is a practical unit which can be taught using a series of practical exercises which cover the range of circumstances which serving police officers are likely to meet. However, underpinning knowledge is a key part of this unit and it would be helpful to begin delivery by taking candidates through the requirements of the legislation on the transport of dangerous goods by road.

Assessment should test the ability of candidates to carry out a dangerous goods inspection safely and in accordance with relevant procedures and legislation. It should also examine their ability to inspect vehicles carrying dangerous goods and decide whether or not a prohibition notice should be issued. Following on from this, assessment should also cover the production of accurate documentation following an inspection. This should include the situation where an inspection was held but no prohibition notice was issued. The unit can be assessed by an examination and a practical assessment task carried out towards the end of the unit.

Open learning

This unit could be delivered by Open Learning if desired. It is, however, a practical unit and it would be necessary to ensure that candidates were able to carry out the necessary practical work in a suitable environment. In addition, appropriate arrangements would need to be made for assessment and quality assurance.

Disabled candidates and/or those with additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.

General information for candidates

Unit title: Police Operations: Transport of Dangerous Goods

This unit is an optional unit and may be associated with the Diploma in Road Policing Operations which is a Professional Development Award accredited by SQA.

The unit is designed to enable you to carry out inspections of dangerous goods and to issue prohibition notices if the inspection reveals that they are required. It provides you with knowledge of the relevant legislation as well as instruction in how to carry out a safe and effective inspection and complete all the necessary documentation. It is a practical unit which builds on your previous work on road traffic legislation.

The assessment for the unit will be an examination, a case study and a practical test in which you will be required to carry out a dangerous goods inspection of a packaged goods or tank vehicle and decide whether or not prohibition notices should be issued. You must complete all the requisite documentation associated with a dangerous goods inspection including a prohibition notice where this is required.

You must achieve a mark of at least 75% in the examination which should consist of 50 multiple choice questions and must be completed in 1 hour 15 minutes.

The case study should be completed in 1 hour 45 minutes and you may have access to relevant regulations and other materials relating to the transport of dangerous goods by road e.g. ADR Manuals. You should achieve a mark of at least 75% for the case study.

During the practical assignment, you may have access to relevant regulations and other materials relating to the transport of dangerous goods by road e.g. ADR Manuals. You will be supervised by an assessor during this assessment and documentation should be provided in a written/electronic format.

You will have succeeded in meeting all the requirements of this unit if you successfully complete the examination, the case study and the practical assignment including making an accurate and comprehensive report on the outcomes of the inspection.