



Transportation Level 5

Accreditation Edition

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Transportation Working Group

Transportation N/SVQ level 5 Introduction to the qualification

This NVQ/SVQ Level 5 qualification is for transportation professionals working in transportation planning, road safety engineering, road safety education & training programmes, highway maintenance, network management, traffic management and control, and transportation infrastructure design. The award has been developed by practising transportation professionals working in both the public and private sectors, with the support of key sector professional institutions and associations and in conjunction with the Construction Industry Council.

This award is the first revision and development of the original Level 5 NVQ/SVQ in the sector. In place of a single award in Transport Planning, this new NVQ/SVQ is designed on a “core and options” basis to serve all Level 5 transportation practitioners, reflecting the current industry focus on an integrated approach to sustainable transport policy. This award is relevant to all those practitioners in the sector who are working in a policy-making, director or middle/senior management capacity, whether in rural or urban areas.

This award is designed to apply throughout the UK. Candidates pursuing the award in a particular country within the UK will present evidence which will reflect the legislative framework and transportation context of that country.

Where the standards refer to projects this can include smaller projects as well as larger ones, consistent with competence at Level 5.

Figure 1 shows how this award is positioned within the overall National Qualifications Framework.

Category Level of Attainment	General Qualifications	Vocationally Related Qualifications	Occupational Qualifications
Higher/level 5	<i>Awards in these categories are delivered in further & higher education, e.g. HND/C, foundation, first and higher degrees</i>		Transportation level 5 NVQ/SVQ
Higher/level 4			e.g. Transportation Level 4 NVQ/SVQ
Advanced/level 3	e.g. AS/A2 level	e.g. AVCE, ND/C	e.g. Transportation level 3 NVQ/SVQ
Intermediate/level 2	e.g. GCSE A-C	e.g. Voc. GCSE	e.g. level 2 NVQ/SVQ
Foundation/level 1	e.g. GCSE D-G	e.g. Voc. GCSE	e.g. level 1 NVQ/SVQ
Entry			

Figure 1

This figure 1 framework shows the progression opportunities from lower levels into the new N/SVQ, and from this award into higher levels. The Level 5 NVQ/SVQ is expected to be recognised by relevant professional institutions as contributing to their membership requirements. The award is supported by all the major representative transportation organisations, and the relevant educational and professional bodies. The award has been designed with appropriate flexibility to accommodate regional characteristics in Scotland, Wales and Northern Ireland.

Figure 2 shows how the award is positioned in the NVQ framework regarding its level of competence and responsibility.

<p>Level 1</p> <p>Competence which involves the application of knowledge in the performance of a range of varied work activities, most of which may be routine and predictable.</p>
<p>Level 2</p> <p>Competence which involves the application of knowledge in a significant range of varied work activities, performed in a variety of contexts. Some of the activities are complex or non-routine, and there is some individual responsibility or autonomy. Collaboration with others, perhaps through membership of a work group or team, may often be a requirement.</p>
<p>Level 3</p> <p>Competence which involves the application of knowledge in a broad range of varied work activities performed in a wide variety of contexts, most of which are complex and non-routine. There is considerable responsibility and autonomy, and control or guidance of others is often required.</p>
<p>Level 4</p> <p>Competence which involves the application of knowledge in a broad range of complex technical or professional work activities performed in a wide range of contexts and with a substantial degree of personal responsibility and autonomy. Responsibility for the work of others and the allocation of resources is often present.</p>
<p>Level 5</p> <p><i>Competence which involves the application of a significant range of fundamental principles across a wide and often unpredictable variety of contexts. Very substantial personal autonomy and often significant responsibility for the work of others and for the allocation of substantial resources feature strongly, as do personal accountabilities for analysis and diagnosis, design, planning, execution and evaluation.</i></p>

Figure 2

The “core and options” matrix is shown in Figure 3. The purpose of this arrangement is to combine a “core” of areas of competence that all Level 5 practitioners should possess, with a controlled selection of additional areas of competence reflecting the particular transportation discipline of the candidate.

The Level 5 award consists of ten Units. Candidates must complete all five Core Units, plus five Optional Units. The five Optional Units must be chosen from at least three different categories.

FIGURE 3: TRANSPORTATION NVQ/SVQ LEVEL 5 - SCHEDULE OF CORE AND OPTIONAL UNITS

CORE UNITS (All to be completed)	OPTIONAL UNITS (Five optional units chosen from at least three different categories)						
	Policies, procedures	Research	Procurement tenders, contracts	Legal, Statutory	Design, specification	Accounts budgets	Interpersonal
1 Monitor and review changes and needs in the transportation environment	6 Establish strategies to guide the work of your organisation	9 Establish and plan transportation research projects	10 Agree project procurement	12 Agree legal investigation requirements and obtain statutory consents	14 Manage the design development process	15 Agree contract accounts and claims	16 Provide solutions and professional advice and develop self and others
2 Prepare a brief and present a transportation project proposal	7 Establish a business plan and marketing strategy		11 Determine the effective use of resources	13 Progress the resolution of disputes and present evidence			17 Delegate work and manage performance
3 Control projects	8 Manage change in organisational activities						
4 Develop, enhance and maintain working relationships							
5 Manage project risks and health, safety and environmental policy							

The rules for selection of the Optional Units are intended to help candidates to design awards that include:

- the necessary core competences for a practitioner at Level 5
- a reflection of the particular transportation discipline of the candidate
- a balance between technical and personal competences
- recognition of the importance of health, safety, welfare and environmental care.

List of Unit and Elements for Transportation Level 5 NVQ/SVQ

CORE UNITS (Complete all 5)

- TRP5/C01 Monitor and review changes and needs in the transportation environment** *(Based on CISC A12.1,2,3)*
- TRP5/C01.1 Evaluate the need for changes to transportation policies and operations *(Based on CISC A12.1)*
 - TRP5/C01.2 Identify, consult and present on transportation strategy options *(Based on CISC A12.2)*
 - TRP5/C01.3 Assess and recommend transportation strategy options *(Based on CISC A12.3)*
- TRP5/C02 Prepare a brief and present a transportation project proposal** *(Based on CISC B13.1,2, B51.1 & B52.1)*
- TRP5/C02.1 Supervise and present an initial project proposal *(Based on CISC B13.1)*
 - TRP5/C02.2 Supervise the preparation of a programme *(Based on CISC B13.2)*
 - TRP5/C02.3 Assess significant factors affecting the project *(Based on CISC B51.1)*
 - TRP5/C02.4 Present a final project proposal *(Based on CISC B52.1)*
- TRP5/C03 Control Projects** *(Based on CISC D31.2,3,5)*
- TRP5/C03.1 Confirm project compliance with legal and statutory requirements *(Based on CISC D31.2)*
 - TRP5/C03.2 Confirm project progress against agreed programmes *(Based on CISC D31.3)*
 - TRP5/C03.3 Issue approvals for projects *(Based on CISC D31.5)*
- TRP5/C04 Develop, enhance and maintain working relationships** *[Based on CISC F46.1,2,3 (MCI C5.1,2,3) & F47.1]*
- TRP5/C04.1 Enhance the trust and support of colleagues *[Based on CISC F46.1 (MCI C5.1)]*
 - TRP5/C04.2 Enhance the trust and support of those to whom you report *[(Based on CISC F46.2 (MCI C5.2)]*
 - TRP5/C04.3 Provide guidance on values at work *[(Based on CISC F46.3 (MCI C5.3)]*
 - TRP5/C04.4 Develop and maintain relationships with people who benefit from one's work *(Based on CISC F47.1)*
- TRP5/C05 Manage project risks and health, safety and environmental policy** *(Based on CISC E42.1,2 & F15.1)*
- TRP5/C05.1 Review and assess hazards *(Based on CISC E42.1)*
 - TRP5/C05.2 Specify methods and procedures to reduce project risks *(Based on CISC E42.2)*
 - TRP5/C05.3 Manage health, safety and environmental policy *(Based on CISC F15.1)*

OPTION UNITS (Complete five units from at least three different categories)

Policies, procedures

- TRP5/O06 Establish strategies to guide the work of your organisation** *[Based on CISC F12.1,2,3,4 (MCI A7.1,2,3,4)]*
- TRP5/O06.1 Create a shared vision and mission to give a purpose to your organisation *[(Based on CISC F12.1 (MCI A7.1)]*
 - TRP5/O06.2 Define values and policies to guide the work of your organisation *[(Based on CISC F12.2 (MCI A7.2)]*
 - TRP5/O06.3 Formulate objectives and strategies to guide your organisation *[(Based on CISC F12.3 (MCI A7.3)]*
 - TRP5/O06.4 Gain support for organisational strategies *[(Based on CISC F12.4 (MCI A7.4)]*
- TRP5/O07 Establish a business plan and marketing strategy** *(Based on CISC F12.1, F11.6)*
- TRP5/O07.1 Establish a business plan *(Based on CISC F12.1)*
 - TRP5/O07.2 Establish a marketing strategy *(Based on CISC F11.6)*

- TRP5/O08 Manage change in organisational activities** *[(Based on CISC F22.1,2,3,4,5 (MCI A5.1,2,3,4,5)]*
- TRP5/O08.1 Identify opportunities for improvements in activities *[(Based on CISC F22.1 (MCI A5.1)]*
- TRP5/O08.2 Evaluate proposed changes for benefits and disadvantages *[(Based on CISC F22.2) (MCI A5.2)]*
- TRP5/O08.3 Plan the implementation of change in activities *[(Based on CISC F22.3 (MCI A5.3)]*
- TRP5/O08.4 Agree the introduction of change *[(Based on CISC F22.4 (MCI A5.4)]*
- TRP5/O08.5 Implement changes in activities *[(Based on CISC F22.5 (MCI A5.5)]*

Research

- TRP5/O09 Establish and plan transportation research projects** *(Based on CISC F31.1,2)*
- TRP5/O09.1 Evaluate and prioritise areas for transportation research *(Based on CISC F31.1)*
- TRP5/O09.2 Establish and commission research projects *(Based on CISC F31.2)*

Procurement, tenders, contracts

- TRP5/O10 Agree project procurement** *(Based on CISC B12.1,2, D13.3 & D15.2)*
- TRP5/O10.1 Select and agree a procurement procedure with a client *(Based on CISC B12.1)*
- TRP5/O10.2 Agree a form of contract *(Based on CISC B12.2)*
- TRP5/O10.3 Evaluate and select successful tenders and negotiate changes *(Based on CISC D13.3)*
- TRP5/O10.4 Negotiate and finalise a contract for the supply of works, goods, materials and consultancy services *(Based on CISC D15.2)*
- TRP5/O11 Determine the effective use of resources** *[Based on CISC F33.1,2,3 (MCI B4.1,2,3)]*
- TRP5/O11.1 Make proposals for expenditure on programmes of work *(Based on CISC F33.1 (MCI B4.1))*
- TRP5/O11.2 Agree budgets for programmes of work *[Based on CISC F33.2 (MCI B4.2)]*
- TRP5/O11.3 Control expenditure and activities against budgets *[Based on CISC F33.3 (MCI B4.2)]*

Legal, statutory

- TRP5/O12 Agree legal investigation requirements and obtain statutory consents** *(Based on CISC B33.1,2 & B54.1,2)*
- TRP5/O12.1 Identify legal investigation requirements *(Based on CISC B33.1)*
- TRP5/O12.2 Evaluate legal requirements and constraints *(Based on CISC B33.2)*
- TRP5/O12.3 Obtain statutory consent *(Based on CISC B54.1,2)*
- TRP5/O13 Progress the resolution of disputes and present evidence** *(Based on CISC D41.1,2,3 & D42.1,2)*
- TRP5/O13.1 Evaluate potential implications for the resolution of disputes *(Based on CISC D41.1)*
- TRP5/O13.2 Evaluate information relating to a dispute *(Based on CISC D41.2)*
- TRP5/O13.3 Negotiate the resolution of a dispute *(Based on CISC D41.3)*
- TRP5/O13.4 Develop and present evidence to resolve disputes *(Based on CISC D42.1,2)*

Design, specification

- TRP5/O14 Manage the design development process** *(Based on CISC B14.1,2,3)*
- TRP5/O14.1 Select and appoint a design team *(Based on CISC B14.1)*
- TRP5/O14.2 Induct and brief a design team *(Based on CISC B14.2)*
- TRP5/O14.3 Establish design team working methods *(Based on CISC B14.3)*

Accounts, budgets

- TRP5/O15 Agree contract accounts and claims** *(Based on CISC D32.1,2)*
- TRP5/O15.1 Approve interim valuations and final accounts *(Based on CISC D32.1)*
- TRP5/O15.2 Agree claims for reimbursement for loss and expense *(Based on CISC D32.2)*

Interpersonal

- TRP5/O16 Provide solutions and professional advice and develop self and others** *(Based on CISC F48.1 & F49.3,4)*
- TRP5/O16.1 Exchange information and provide advice on technical problems *(Based on CISC F48.1)*
 - TRP5/O16.2 Undertake personal development in the occupational practice area *(Based on CISC F49.3)*
 - TRP5/O16.3 Enable others to learn and benefit from one's experience *(Based on CISC F49.4)*
- TRP5/O17 Delegate work and manage performance** *[(Based on CISC F44.1,2,3,4 (MCI C14.1,2)]*
- TRP5/O17.1 Delegate responsibility and authority to others *[(Based on CISC F44.1 (MCI C14.1)]*
 - TRP5/O17.2 Agree targets for delegated work *[(Based on CISC F44.2 (MCI C14.2)]*
 - TRP5/O17.3 Assess the performance of teams and individuals *[(Based on CISC F44.3 (MCI C12.2)]*
 - TRP5/O17.4 Provide feedback to teams and individuals on their performance *[(Based on CISC F44.4 (MCI C12.3)]*