Experienced Worker RAC National Vocational Qualifications Level 2 for CSCS Skill Card

This document outlines how Cool Concerns Ltd can provide NVQ assessment and qualification for experienced workers who need a CSCS Skill Card.

The qualification required comprises C & G 6087 (NVQ) and C & G 6127 (technical certificate).

C & G 6087 level 2

This is a practical qualification comprising units as follows:

- Maintain safe working environment (001)
- Maintain effective working relationships (002)
- Contribute to business improvement (003)
- Plan RAC work activities (004)
- Commission and decommission RAC systems (005)
- Install RAC systems (006) or Service and maintain RAC systems (007).

C & G 6127

This is a theory based qualification – candidates sit an on line multiple choice nationally set assessment. Topics include:

- The RAC industry
- Energy and the environment (e.g. impact of HFC and HC type refrigerants)
- Cooling systems and technology (e.g. the function of the various system components)
- Brazing principles and processes
- Cooling science and calculations (e.g. what the refrigerant is doing and why)
- System electrics, electronics and controls.

Cool Concerns Ltd is approved by City and Guilds to train and assess candidates for both qualification at levels 2 and 3. The level 2 qualification covers simple RAC systems such as single condensing unit / single evaporator systems.

Experienced workers should require minimal training – we aim to minimise this by taking account of their existing skills and knowledge. The worker will have to:

- Build a portfolio of evidence to show they have the required knowledge and skills – we provide a template portfolio which makes it easy for a worker to produce this with little effort;
- Have two on site assessments / observations – we couple this with one to one help in preparing the portfolio;
- Pass assessments which are done on line – we provide training (up to 10 days) to cover the knowledge required to pass these assessments and give engineers practice at multiple choice questions on the relevant topics.

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The training for the technical certificate is provided over ten days, in one or two day sessions. These are a mix of theory, practical and discussion sessions with the emphasis on active participation. During these sessions we also provide help in building the portfolio. We aim to provide as much help as possible to the candidate to ensure time spent working towards this qualification is minimised. These sessions takes place at our training centre near Tewkesbury.

Programme

The programme below shows the major milestones and is a two year programme split into three parts as shown.

Month 1	1st payment of £880 per engineer + VAT Register for NVQ and Technical Certificate Candidate can apply for Experienced Worker Skill Card One to one session with candidate (0.5 days)
Months 2 to 8	Introduction to NVQ and Technical Certificate Start of portfolio building. 1st on site assessment Five days training
Month 8	2nd payment of £880 per engineer + VAT
Months 9 to 16	Candidate continues work on portfolio Five days training Candidate takes on line Technical Certificate
Month 16	3rd payment of £880 per engineer + VAT
Months 17 to 24	Candidate continues work on portfolio 2nd on site assessment Completion of qualification Candidate can apply for a Blue Skill Card
Month 24	Final payment of £880 per engineer + VAT

The City and Guilds 2078 refrigerant handling certificate is not included in this qualification. We can assess candidates for this if required, at extra cost.

Funding

Government funding for this training should be available to cover part of the cost of experienced worker NVQs – "Train to Gain". Further information is available from http://www.traintogain.gov.uk/

About Cool Concerns' Training

Most of our training is provided by the working directors – Jane Gartshore and Stephen Benton. Between us we have a wide and varied range of practical experience within the refrigeration and air conditioning industry.

We provide training that "hits the spot" – it is relevant, informative and fun with the emphasis on hands on practice mixed with high quality theory presentations.

All our training is designed to use trainees' time as efficiently as possible, thus minimising expensive down time. We draw on the wide range of experience of both trainers to prepare high quality training sessions. System operation is explained using computer based presentations coupled with work on training rigs. Installation, commissioning, service and maintenance principles are covered in hands on practical sessions using a range of industry standard tools and equipment. Emphasis in all training sessions is on participation by all trainees.