

1. Title of the certificate ^(en)



**City & Guilds IVQ Advanced Technician Diploma in Applied
Telecommunication Systems (2730-03)**

⁽¹⁾ In the original language

2. Translated title of the certificate ⁽¹⁾

⁽¹⁾ If applicable. This translation has no legal status.

3. Profile of skills and competences

A typical holder of the certificate is able to:

- Describe the principles of advanced mathematics
- Describe the principles and application of mobile and fixed radio systems
- Evaluate the current situation regarding the deployment of new generation (2.5G) and third generation (3G) mobile networks and implementation issues facing network operators
- Design and implement software solution for an office, commercial organisation or of benefit to the general public
- Plan, manage and fully document the development process of a software solution
- Design a major telecoms solution using the most appropriate technology
- Plan, manage and implement a major telecoms solution for a customer
- Carry out a pre-installation survey to premises
- Carry out risk assessments to identify risks and prevent hazards
- Accurately test and measure analogue and digital signals
- Install high speed synchronous and wireless networks
- Set up and manage internet data centres
- Work safely in hazardous locations above and below ground
- Use specialist telecoms tools and equipment safely in accordance with national standards
- Manage a telecoms network solution
- Define customer needs.

4. Range of occupations accessible to the holder of the certificate ⁽¹⁾

- International Telecommunications Networks Manager
- Network Planner
- Radio Systems Design Engineer
- Satellite Communications Engineer
- Systems Production Supervisor.

Note: the above are examples only, other occupations may also be accessible to holders of the certificate.

⁽¹⁾ If applicable

⁽¹⁾ Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers. More information available at: <http://europass.cedefop.eu.int>.

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5. Official basis of the certificate

<p>Name and status of the body awarding the certificate</p> <p>City & Guilds 1 Giltspur Street London EC1A 9DD United Kingdom T +44 (0)20 7294 2885 F +44 (0)20 7294 2405 www.cityandguilds.com</p> <p>City & Guilds was established in 1878 as a registered charity (no. 312832) and received Royal Charter (RC117) in 1900.</p> <p>City & Guilds is accredited as an awarding body by the Office of the Qualifications and Examinations Regulator (Ofqual) and the Scottish Qualifications Authority (SQA) to offer qualifications.</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>International Vocational Qualifications (IVQs) are a unique set of qualifications designed by City & Guilds specifically for international use.</p> <p>They are subject to global quality assurance rules and regulations set by City & Guilds. These policies are based on the quality assurance practices which have been approved by Ofqual.</p> <p>Within a study of IVQs against international and national standards, UK NARIC/NRP mapped the IVQ Advanced Technician Diploma in Telecommunications to level 5 of the National Qualifications Framework of England, Wales and Northern Ireland (NQF).</p> <p>This qualification is also endorsed by the UK Sector Skills Council for Telecommunications, e-skills UK.</p>
<p>Level of the certificate (national or international)</p> <p>Level 5* – National Qualifications Framework of England, Wales and Northern Ireland (NQF)</p> <p><i>*broad comparability</i></p>	<p>Grading scale/Pass requirements</p> <p>Written assessments are graded 'Pass', 'Credit', 'Distinction' or 'Fail'.</p> <p>Practical assessments are graded 'Pass' or 'Fail'.</p> <p>The overall qualification is not graded. A certificate will only be awarded on successful completion of the required number of units.</p>
<p>Access to next level of education/training</p> <p>We consider the following options to be relevant progression routes from this qualification:</p> <ul style="list-style-type: none"> • Full Technological Diploma (FTD) • Engineering Council Examinations • Higher/further education • Management qualifications • Employment. 	<p>International agreements</p>
<p>Legal basis</p> <p>Not applicable.</p>	

6. Officially recognised ways of acquiring the certificate

<p>This qualification can only be offered by an institution/provider ('centre') that has been approved by City & Guilds and therefore meets its quality requirements for staff and centre resources and is subject to regular checks.</p> <p>The following assessment methods are used:</p> <ul style="list-style-type: none"> • Ongoing assessments carried out by the centre • Final assessments: <ul style="list-style-type: none"> - written test set and marked by City & Guilds - practical assessments set by City & Guilds and marked by the centre. <p>All assessments are quality assured by City & Guilds verifiers.</p> <p>The vocational education and training is a combination of classroom based and/or work based and/or realistic working environment based activities.</p> <p>The recommended Guided Learning Hours (GLHs) for this qualification are 600 hours.</p> <p>Entry requirements</p> <p>City & Guilds exercises a policy of open access and does not set formal entry requirements for its qualifications. Centres are however required to ensure that learners are registered for a programme of study and examination at the appropriate level.</p> <p>More information (including a description of the national qualifications system) available at: www.naric.org.uk. National reference point: www.uknarp.org.uk.</p>
