

**7540/7630/4520**

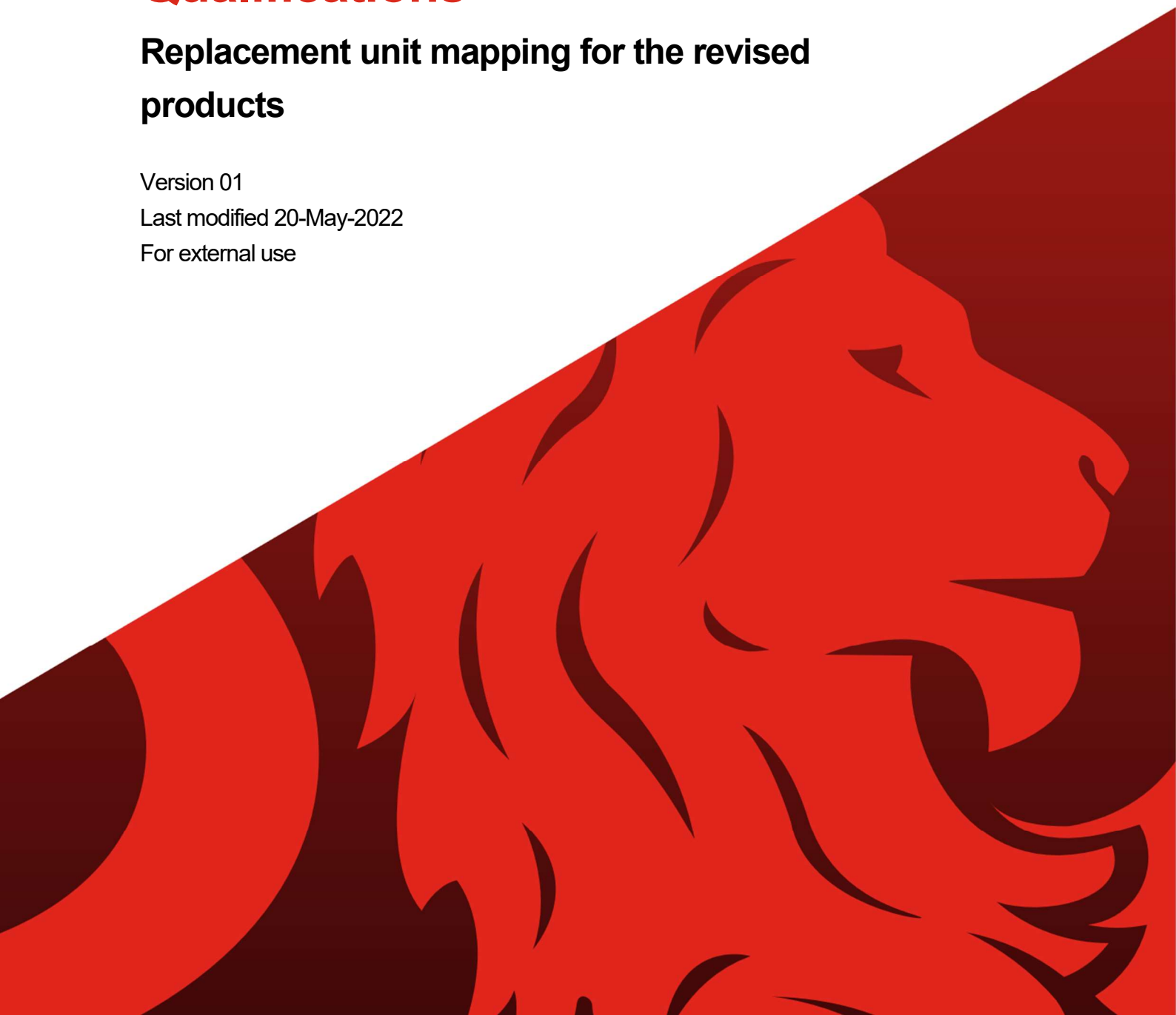
# **IT Professional Qualifications**

**Replacement unit mapping for the revised  
products**

Version 01

Last modified 20-May-2022

For external use



# Document revision history

Version	Changed by	Summary of change	Approval date
01	Technical Adviser	First creation of document to show replacement units (as appropriate) for those removed and note ability to use various vendor certifications against the Vendor Alike units plus the addition of the information/cyber units.	06 June 2022
[00]	[Department name]	[Description]	[day Month year]

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## 1. About this document

As part of the review of products conducted by City & Guilds, the following products were revised:

*Table 1: IT Professional Vocational Related Qualifications and Work Based Qualifications*

Qualification number	Qualification Title
<b>7540-12</b>	Level 2 Award in ICT Systems and Principles
	Level 2 Certificate in ICT Systems Support
	Level 2 Diploma in ICT Systems Support
	Level 2 Diploma in ICT Systems and Principles for IT Professionals
<b>7540-13</b>	Level 3 Certificate in ICT Systems and Principles
	Level 3 Diploma in ICT Systems Support
	Level 3 Diploma for ICT Systems and Principles for IT Professionals
<b>7630-03</b>	Level 4 Diploma for ICT Professionals - Systems and Principles
<b>4520-02</b>	Level 2 Diploma in ICT Professional Competence
<b>4520-03</b>	Level 3 Diploma in ICT Professional Competence
<b>4520-04</b>	Level 4 Diploma in ICT Professional Competence

This document sets out a mapping of units that have been removed to those either added or remaining in the products to allow training providers to continue their normal delivery and claim the relevant qualification for their learners.

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## **1.1. Rationale for revision of the qualifications**

Over many years the IT Professional qualifications have had a number of named vendor units added to them that were of their time and have since been retired or revised quite dramatically. We do have Vendor alike units that were written with the support of Microsoft, Cisco and CompTIA and were worded more generically to allow for future updates to their programmes and allow for vendors entering the market (eg Juniper and Huawei for networking) to be able to be used by providers without the need to create new units. A list of these is provided in the appendix.

In addition, we have replaced the programming units which have named languages with generic units to allow our providers to select the most appropriate programming methodology and language for their local need rather than placing unnecessary restriction on their use.

We have also looked to tidy up the qualifications, where units of a level were found in one product but not in one level higher or lower as appropriate. This included some units at a specific level that were not in the qualification of that level.

Finally, we wanted to provide for those who now seek to deliver information or cyber security programmes. To do this we have imported units from our retired Information Security qualification to allow for either pure information/cyber security courses or for providers to add a relevant unit to a network, software, web development or telecoms programme they already have in place.

### **1.1.1. Units not listed and credit value changes**

Some vendor products have no equivalent replacement because the products have not been available for several years and those training providers using the latest versions or replacements should be using the Vendor Alike units as listed in this document.

### **1.1.2. Further support**

As part of our revision work, we have also developed a document that provides some ideas of programmes that providers could run – using a relevant course title rather than our qualification name.

This document can be found:

The latest products offered by vendors that replace retired certifications can also be used to gain units within the City & Guilds qualifications. Also, recognising new vendor training, such as AWS, etc., if a provider can show an 80% mapping of the certification requirements to one of the City & Guilds units then we will accept that as proof to awarding the relevant unit.

## 2. Removed Unit mapping

### 2.1. 7540-12 Level 2 IT Systems and Principles / System Support

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>7540-004</b>	Level 2 Creating an object-oriented computer program using C++ (7 credits)	<b>7540-851</b>	<i>Level 2 Creating an object-oriented computer program (7 credits)</i>
<b>7540-006</b>	Level 2 Creating an event driven computer program using Visual Basic (7 credits)	<b>7540-852</b>	<i>Level 2 Creating an event driven computer program (7 credits)</i>
<b>7540-007</b>	Level 2 Creating an event driven computer program using Java (7 credits)		
<b>7540-008</b>	Level 2 Creating an event driven computer program using C# (7 credits)		
<b>7540-009</b>	Level 2 Creating an event driven computer program using C# (7 credits)		
<b>7540-005</b>	Level 2 Creating a procedural computer program using COBOL (7 credits)	<b>7540-853</b>	<i>Level 2 Creating a procedural computer program (7 credits)</i>
<b>7540-701</b>	Level 2 Cisco IT Essentials Part 1 (10 credits)	<b>7540-607</b>	<i>Level 2 ICT fundamentals (20 credits) (Cisco Essential is equivalent of CompTIA A+ and both are set at Level 2 – to achieve this unit the learner needs to be successful in either both parts of CompTIA A+ or the latest Cisco Essentials programme)</i>
<b>7540-758</b>	Level 3 CISCO IT Essentials Part 2 (10 credits)		
<b>7540-702</b>	Level 2 CompTIA A+ Essentials (2009) (10 credits)		
<b>7540-703</b>	Level 2 CompTIA A+ Practical Application (10 credits)		
<b>7540-512</b>	Level 2 MTA: Security Fundamentals (10 credits)	<b>7540-625</b>	<i>IT security fundamentals (8 Credits)</i>

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>7540-513</b>	Level 2 MTA: Database Administration Fundamentals (10 credits)	<b>7540-618</b>	<i>Fundamentals of Database administration (8 Credits)</i>
<b>7540-514</b>	Level 2 MTA: Web Development Fundamentals (10 credits)	<b>7540-627</b>	<i>Web development fundamentals (9 Credits)</i>
<b>7540-515</b>	Level 2 MTA: Networking Fundamentals (10 credits)	<b>7540-624</b>	<i>Networking fundamentals (9 Credits)</i>
<b>7540-516</b>	Level 2 MTA: Windows Development Fundamentals (10 credits)	<b>7540-626</b>	<i>Windows development fundamental (8 Credits)</i>
<b>7540-517</b>	Level 2 MTA: Windows Server Administration Fundamentals (10 credits)	<b>7540-617</b>	<i>Fundamentals of Windows based server administration (10 Credits)</i>
<b>7540-034</b>	Level 3 Creating an object-oriented computer program using C++ (12 credits)	<b>7540-644</b>	<i>Level 3 Creating an object-oriented computer program (12 credits)</i>
<b>7540-035</b>	Level 3 Creating a procedural computer program using COBOL (12 credits)	<b>7540-643</b>	<i>Level 3 Creating a procedural computer program (12 credits)</i>
<b>7540-036</b>	Level 3 Creating an event driven computer program using Visual Basic (12 credits)	<b>7540-642</b>	<i>Level 3 Creating an event driven computer program (12 credits)</i>
<b>7540-037</b>	Level 3 Creating an object-oriented computer program using Java (12 credits)	<b>7540-644</b>	<i>Level 3 Creating an object-oriented computer program (12 credits)</i>
<b>7540-038</b>	Level 3 Creating an event driven computer program using Visual basic.Net (12 credits)	<b>7540-642</b>	<i>Level 3 Creating an event driven computer program (12 credits)</i>
<b>7540-039</b>	Level 3 Creating an object-oriented computer program using C# (12 credits)	<b>7540-644</b>	<i>Level 3 Creating an object-oriented computer program (12 credits)</i>
<b>7540-750</b>	Level 3 CompTIA Network + (2009) (10 credits)	<b>7540-611</b>	<i>Implement and manage a network (10 Credits)</i>
<b>7540-755</b>	Level 3 CompTIA Security+ (2008) (10 credits)	<b>7540-612</b>	<i>Securing ICT systems and networks (9 Credits)</i>

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>7540-757</b>	Level 3 CompTIA server + (2009) (10 credits)	<b>7540-613</b>	<i>Install and configure a server (9 Credits)</i>
<b>7540-776</b>	Level 3 CompTIA and Linux Professional Institute Certification 102 (10 credits)	<b>7540-610</b>	<i>Level 3 Configure and manage Linux based operating systems (12 credits)</i>

## 2.2. 4520-02 Level 2 ICT Professional Competence

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>4520-186</b>	Level 1 CompTIA Strata Fundamentals of IT Technology	<b>4520-605</b>	<i>Fundamentals of IT technology (7 Credits)</i>
<b>4520-187</b>	Level 1 CompTIA Strata - Fundamentals of PC Functionality	<b>4520-604</b>	<i>Practical fundamentals of ICT (9 Credits)</i>
<b>4520-220</b>	Level 2 Creating an object-oriented computer program using C++ (7 Credits)	<b>4520-226</b>	<i>Level 2 Creating an object-oriented computer program (7 Credits)</i>
<b>4520-222</b>	Level 2 Creating an event driven computer program using Visual Basic (7 Credits)	<b>4520-227</b>	<i>Level 2 Creating an event driven computer program (7 Credits)</i>
<b>4520-223</b>	Level 2 Creating an event driven computer program using Java (7 Credits)		
<b>4520-224</b>	Level 2 Creating an event driven computer program using C# (7 Credits)		
<b>4520-225</b>	Level 2 Creating an event driven computer program using VisualBasic.net (7 Credits)		
<b>4520-252</b>	Level 2 MTA: Software Development Fundamentals (10 Credits)	<b>4520-620</b>	<i>Software development fundamentals</i>
<b>4520-253</b>	Level 2 MTA: Windows Development Fundamentals (10 Credits)	<b>4520-626</b>	<i>Windows development fundamental (8 Credits)</i>



Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>4520-254</b>	Level 2 MTA: Security Fundamentals (10 Credits)	<b>4520-625</b>	<i>IT security fundamentals (8 Credits)</i>
<b>4520-255</b>	Level 2 MTA: Networking Fundamentals (10 Credits)	<b>4520-624</b>	<i>Networking fundamentals (9 Credits)</i>
<b>4520-256</b>	Level 2 MTA: Windows Server Administration Fundamentals (10 Credits)	<b>4520-617</b>	<i>Fundamentals of Windows based server administration (10 Credits)</i>
<b>4520-257</b>	Level 2 MTA: Database Administration Fundamentals (10 Credits)	<b>4520-618</b>	<i>Fundamentals of Database administration (8 Credits)</i>
<b>4520-258</b>	Level 2 MTA: Web Development Fundamentals (10 Credits)	<b>4520-627</b>	<i>Web development fundamentals</i>
<b>4520-229</b>	Level 2 CompTIA A+ Essentials (2009) (10 Credits)	<b>4520-607</b>	<i>Level 2 ICT fundamentals (20 credits) (Cisco Essential is equivalent of CompTIA A+ and both are set at Level 2 – to achieve this unit the learner needs to be successful in either both parts of CompTIA A+ or the latest Cisco Essentials programme)</i>
<b>4520-230</b>	Level 2 CompTIA A+ Practical Application (10 Credits)		
<b>4520-232</b>	Level 2 CISCO IT Essentials Part 1 (10 Credits)		
<b>4520-332</b>	Level 3 CISCO IT Essentials Part 2 (10 Credits)		
<b>4520-320</b>	Level 3 Creating an object-oriented computer program using C++ (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>
<b>4520-322</b>	Level 3 Creating an event driven computer program using Visual Basic (12 Credits)	<b>4520-642</b>	<i>Level 3 Creating an event driven computer program</i>
<b>4520-323</b>	Level 3 Creating an object-oriented computer program - using Java (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>
<b>4520-324</b>	Level 3 Creating an event driven software computer program - using VisualBasic.net (12 Credits)	<b>4520-642</b>	<i>Level 3 Creating an event driven computer program</i>
<b>4520-325</b>	Level 3 Creating an object-oriented computer program - using C# (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>4520-329</b>	Level 3 CompTIA Network + (2009) (10 Credits)	<b>4520-611</b>	<i>Implement and manage a network (10 Credits)</i>
<b>4520-330</b>	Level 3 CompTIA Security + (2008) (10 Credits)	<b>4520-612</b>	<i>Securing ICT systems and networks (9 Credits)</i>
<b>4520-331</b>	Level 3 CompTIA Server + (2009) (10 Credits)	<b>4520-613</b>	<i>Install and configure a server (9 Credits)</i>

### 2.3. 7540-13 Level 3 IT Systems and Principles / System Support

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>7540-004</b>	Level 2 Creating an object-oriented computer program using C++ (7 credits)	<b>7540-851</b>	<i>Level 2 Creating an object-oriented computer program (7 credits)</i>
<b>7540-006</b>	Level 2 Creating an event driven computer program using Visual Basic (7 credits)	<b>7540-852</b>	<i>Level 2 Creating an event driven computer program (7 credits)</i>
<b>7540-007</b>	Level 2 Creating an event driven computer program using Java (7 credits)		
<b>7540-008</b>	Level 2 Creating an event driven computer program using C# (7 credits)		
<b>7540-009</b>	Level 2 Creating an event driven computer program using C# (7 credits)		
<b>7540-005</b>	Level 2 Creating a procedural computer program using COBOL (7 credits)	<b>7540-853</b>	<i>Level 2 Creating a procedural computer program (7 credits)</i>
<b>7540-701</b>	Level 2 Cisco IT Essentials Part 1 (10 credits)	<b>7540-607</b>	<i>Level 2 ICT fundamentals (20 credits) (Cisco Essential is equivalent of CompTIA A+ and both are set at Level 2 – to achieve this unit the learner needs to be successful in either both parts of CompTIA A+ or the latest Cisco Essentials programme)</i>
<b>7540-758</b>	Level 3 CISCO IT Essentials Part 2 (10 credits)		

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>7540-702</b>	Level 2 CompTIA A+ Essentials (2009) (10 credits)	<b>7540-607</b>	<i>Level 2 ICT fundamentals (20 credits) (Cisco Essential is equivalent of CompTIA A+ and both are set at Level 2 – to achieve this unit the learner needs to be successful in either both parts of CompTIA A+ or the latest Cisco Essentials programme)</i>
<b>7540-703</b>	Level 2 CompTIA A+ Practical Application (10 credits)		
<b>7540-034</b>	Level 3 Creating an object-oriented computer program using C++ (12 credits)	<b>7540-644</b>	<i>Level 3 Creating an object-oriented computer program (12 credits)</i>
<b>7540-037</b>	Level 3 Creating an object-oriented computer program using Java (12 credits)		
<b>7540-039</b>	Level 3 Creating an object-oriented computer program using C# (12 credits)		
<b>7540-036</b>	Level 3 Creating an event driven computer program using Visual Basic (12 credits)	<b>7540-642</b>	<i>Level 3 Creating an event driven computer program (12 credits)</i>
<b>7540-038</b>	Level 3 Creating an event driven computer program using Visual basic.Net (12 credits)		
<b>7540-035</b>	Level 3 Creating a procedural computer program using COBOL (12 credits)	<b>7540-643</b>	<i>Level 3 Creating a procedural computer program (12 credits)</i>
<b>7540-750</b>	Level 3 CompTIA Network + (2009) (10 credits)	<b>7540-611</b>	<i>Implement and manage a network (10 Credits)</i>
<b>7540-755</b>	Level 3 CompTIA Security+ (2008) (10 credits)	<b>7540-612</b>	<i>Securing ICT systems and networks (9 Credits)</i>
<b>7540-757</b>	Level 3 CompTIA Server + (2009) (10 credits)	<b>7540-613</b>	<i>Install and configure a server (9 Credits)</i>
<b>7540-776</b>	Level 3 CompTIA and Linux Professional Institute Certification 102 (10 credits)	<b>7540-610</b>	<i>Level 3 Configure and manage Linux based operating systems (12 credits)</i>

## 2.4. 4520-03 Level 3 ICT Professional Competence

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
4520-186	Level 1 CompTIA Strata Fundamentals of IT Technology (10 Credits)	4520-605	<i>Fundamentals of IT technology (7 Credits)</i>
4520-187	Level 1 CompTIA Strata - Fundamentals of PC Functionality (10 Credits)	4520-604	<i>Practical fundamentals of ICT (9 Credits)</i>
4520-220	Level 2 Creating an object-oriented computer program using C++ (7 Credits)	4520-226	<i>Level 2 Creating an object-oriented computer program (7 Credits)</i>
4520-222	Level 2 Creating an event driven computer program using Visual Basic (7 Credits)	4520-227	<i>Level 2 Creating an event driven computer program (7 Credits)</i>
4520-223	Level 2 Creating an event driven computer program using Java (7 Credits)		
4520-224	Level 2 Creating an event driven computer program using C# (7 Credits)		
4520-225	Level 2 Creating an event driven computer program using VisualBasic.net (7 Credits)		
4520-229	Level 2 CompTIA A+ Essentials (2009) (10 Credits)	4520-607	<i>Level 2 ICT fundamentals (20 credits) (Cisco Essential is equivalent of CompTIA A+ and both are set at Level 2 – to achieve this unit the learner needs to be successful in either both parts of CompTIA A+ or the latest Cisco Essentials programme)</i>
4520-230	Level 2 CompTIA A+ Practical Application (10 Credits)		
4520-232	Level 2 CISCO IT Essentials Part 1 (10 Credits)		
4520-332	Level 3 CISCO IT Essentials Part 2 (10 Credits)		
4520-252	Level 2 MTA: Software Development Fundamentals (10 Credits)	4520-620	<i>Software development fundamentals</i>
4520-253	Level 2 MTA: Windows Development Fundamentals (10 Credits)	4520-626	<i>Windows development fundamental (8 Credits)</i>

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>4520-254</b>	Level 2 MTA: Security Fundamentals (10 Credits)	<b>4520-625</b>	<i>IT security fundamentals (8 Credits)</i>
<b>4520-255</b>	Level 2 MTA: Networking Fundamentals (10 Credits)	<b>4520-624</b>	<i>Networking fundamentals (9 Credits)</i>
<b>4520-256</b>	Level 2 MTA: Windows Server Administration Fundamentals (10 Credits)	<b>4520-617</b>	<i>Fundamentals of Windows based server administration (10 Credits)</i>
<b>4520-257</b>	Level 2 MTA: Database Administration Fundamentals (10 Credits)	<b>4520-618</b>	<i>Fundamentals of Database administration (8 Credits)</i>
<b>4520-258</b>	Level 2 MTA: Web Development Fundamentals (10 Credits)	<b>4520-627</b>	<i>Web development fundamentals</i>
<b>4520-320</b>	Level 3 Creating an object-oriented computer program using C++ (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>
<b>4520-322</b>	Level 3 Creating an event driven computer program using Visual Basic (12 Credits)	<b>4520-642</b>	<i>Level 3 Creating an event driven computer program</i>
<b>4520-323</b>	Level 3 Creating an object-oriented computer program - using Java (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>
<b>4520-324</b>	Level 3 Creating an event driven software computer program - using VisualBasic.net (12 Credits)	<b>4520-642</b>	<i>Level 3 Creating an event driven computer program</i>
<b>4520-325</b>	Level 3 Creating an object-oriented computer program - using C# (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>
<b>4520-329</b>	Level 3 CompTIA Network + (2009) (10 Credits)	<b>4520-611</b>	<i>Implement and manage a network (10 Credits)</i>
<b>4520-330</b>	Level 3 CompTIA Security + (2008) (10 Credits)	<b>4520-612</b>	<i>Securing ICT systems and networks (9 Credits)</i>
<b>4520-331</b>	Level 3 CompTIA Server + (2009) (10 Credits)	<b>4520-613</b>	<i>Install and configure a server (9 Credits)</i>
<b>4520-399</b>	Level 3 CompTIA and Linux Professional Institute Certification102 (10 Credits)	<b>4520-610</b>	<i>Configure and manage Linux based operating systems (12 Credits)</i>

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>4520-397</b>	Level 3 Linux Professional Institute 201 (10 Credits)	<b>4520-608</b>	<i>Fundamentals of Linux based operating systems (7 Credits)</i>
<b>4520-398</b>	Level 3 Linux Professional Institute 202 (10 Credits)	<b>4520-610</b>	<i>Configure and manage Linux based operating systems (12 Credits)</i>

## 2.5. 7630-04 IT Systems and Principles

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>7630-308</b>	Level 3 Cisco IT Essentials Part 2 (10 credits)	-	<i>Needs to be done with Level 2 Cisco Essentials – no equivalent in this product.</i>
<b>7630-309</b>	Level 3 CompTIA and Linux Professional Institute Certification 102 (10 credits)	<b>7630-610</b>	<i>Configure and manage Linux based operating systems (12 Credits)</i>
<b>7630-310</b>	Level 3 CompTIA Linux+ (9 credits)	<b>7630-608</b>	<i>Fundamentals of Linux based operating systems (7 Credits)</i>
<b>7630-317</b>	Level 3 Creating an event driven computer program using Visual Basic (12 credits)	<b>7630-642</b>	<i>Level 3 Creating an event driven computer program (12 Credits)</i>
<b>7630-318</b>	Level 3 Creating an event driven computer program using Visual basic.Net (12 credits)		
<b>7630-320</b>	Level 3 Creating an object-oriented computer program using C++ (12 credits)	<b>7630-319</b>	<i>Level 3 Creating an object-oriented computer program (12 Credits)</i>
<b>7630-321</b>	Level 3 Creating an object-oriented computer program using Java (12 credits)		
<b>7630-336</b>	Level 3 Linux Professional Institute 201 (10 credits)	<b>7630-608</b>	<i>Fundamentals of Linux based operating systems (7 Credits)</i>
<b>7630-337</b>	Level 3 Linux Professional Institute 202 (10 credits)	<b>7630-610</b>	<i>Configure and manage Linux based operating systems (12 Credits)</i>

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>7630-311</b>	Level 3 CompTIA Network + (9 credits)	<b>4520-611</b>	<i>Implement and manage a network (10 Credits)</i>
<b>7630-312</b>	Level 3 CompTIA Security+ (9 credits)	<b>4520-612</b>	<i>Securing ICT systems and networks (9 Credits)</i>
<b>7630-313</b>	Level 3 CompTIA Server+ (9 credits)	<b>4520-613</b>	<i>Install and configure a server (9 Credits)</i>
<b>7630-644</b>	Level 3 Creating an object-oriented computer program (12 Credits)	<b>7630-319</b>	<i>Level 3 Creating an object-oriented computer program (12 credits)</i>

## 2.6. 4520-04 Level 4 ICT Professional Competence

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>4520-220</b>	Level 2 Creating an object-oriented computer program using C++ (7 Credits)	<b>4520-226</b>	<i>Level 2 Creating an object-oriented computer program (7 Credits)</i>
<b>4520-222</b>	Level 2 Creating an event driven computer program using Visual Basic (7 Credits)	<b>4520-227</b>	<i>Level 2 Creating an event driven computer program (7 Credits)</i>
<b>4520-223</b>	Level 2 Creating an event driven computer program using Java (7 Credits)		
<b>4520-224</b>	Level 2 Creating an event driven computer program using C# (7 Credits)		
<b>4520-225</b>	Level 2 Creating an event driven computer program using VisualBasic.net (7 Credits)	<b>4520-607</b>	<i>Level 2 ICT fundamentals (20 credits) (Cisco Essential is equivalent of CompTIA A+ and both are set at Level 2 – to achieve this unit the learner needs to be successful in either both parts of CompTIA A+ or the latest Cisco Essentials programme)</i>
<b>4520-229</b>	Level 2 CompTIA A+ Essentials (2009) (10 Credits)		
<b>4520-230</b>	Level 2 CompTIA A+ Practical Application (10 Credits)		

Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>4520-232</b>	Level 2 CISCO IT Essentials Part 1 (10 Credits)	<b>4520-607</b>	<i>Level 2 ICT fundamentals (20 credits) (Cisco Essential is equivalent of CompTIA A+ and both are set at Level 2 – to achieve this unit the learner needs to be successful in either both parts of CompTIA A+ or the latest Cisco Essentials programme)</i>
<b>4520-332</b>	Level 3 CISCO IT Essentials Part 2 (10 Credits)		
<b>4520-320</b>	Level 3 Creating an object-oriented computer program using C++ (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>
<b>4520-322</b>	Level 3 Creating an event driven computer program using Visual Basic (12 Credits)	<b>4520-642</b>	<i>Level 3 Creating an event driven computer program</i>
<b>4520-323</b>	Level 3 Creating an object-oriented computer program - using Java (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>
<b>4520-324</b>	Level 3 Creating an event driven software computer program - using VisualBasic.net (12 Credits)	<b>4520-642</b>	<i>Level 3 Creating an event driven computer program</i>
<b>4520-325</b>	Level 3 Creating an object-oriented computer program - using C# (12 Credits)	<b>4520-644</b>	<i>Level 3 Creating an object-oriented computer program</i>
<b>4520-643</b>	Level 3 Creating a procedural computer program (12 credits)	<b>4520-321</b>	<i>Level 3 Creating a procedural computer program (12 credits)</i>
<b>4520-329</b>	Level 3 CompTIA Network + (2009) (10 Credits)	<b>4520-611</b>	<i>Implement and manage a network (10 Credits)</i>
<b>4520-330</b>	Level 3 CompTIA Security + (2008) (10 Credits)	<b>4520-612</b>	<i>Securing ICT systems and networks (9 Credits)</i>
<b>4520-331</b>	Level 3 CompTIA Server + (2009) (10 Credits)	<b>4520-613</b>	<i>Install and configure a server (9 Credits)</i>
<b>4520-422</b>	Level 4 Designing and developing event driven computer programs using Visual Basic (15 Credits)	<b>4520-420</b>	<i>Level 4 Designing and developing event driven computer programs (15 Credits)</i>
<b>4520-423</b>	Level 4 Designing and developing object-oriented computer programs using Java (15 Credits)	<b>4520-453</b>	<i>Level 4 Designing and developing object-oriented computer programs (15 credits)</i>
<b>4520-424</b>	Level 4 Designing and developing event driven computer programs using VisualBasic.net (15 Credits)	<b>4520-420</b>	<i>Level 4 Designing and developing event driven computer programs (15 Credits)</i>



Unit number	Original Unit Title	Unit number	Replacement/Alternative Unit Title
<b>4520-425</b>	Level 4 Designing and developing object-oriented computer programs using C# (15 Credits)	<b>4520-453</b>	<i>Level 4 Designing and developing object-oriented computer programs (15 credits)</i>
<b>4520-452</b>	Level 4 Designing and developing event driven computer programs using Visual Basic (15 credits)	<b>4520-420</b>	<i>Level 4 Designing and developing event driven computer programs (15 Credits)</i>

### 3. Vendor Alike Units

#### 3.1. Rationale for development

City & Guilds provide several units, in conjunction with Vendors including Microsoft, CompTIA and Cisco, to make the delivery of IT Professional qualifications (7540, 7630 and 4520) more flexible.

The units have had vendor specific terminology removed to allow us to take the latest replacements and alternatives from the same or other vendors. Learners who are unable to complete the vendor exams, have the option to provide evidence through portfolio to achieve the units but benefit from the industry recognised learning. The advantages of these units:

- Improved chances of achievement for the whole qualification
- Reduced the need to purchase resits for vendor exams
- Will avoid confusion over which version to use

##### 3.1.1. Cisco

Unit no.	Vendor title		City & Guilds title	Level	Credit	GLH
4520-600 7630-600 7540-645	Introduction to networks V6/V7		Introduction to networks	3	17	83
4520-601 7630-601 7540-646	Connecting networks V6/V7		Routing and switching essentials	4	27	143
4520-602 7630-602 7540-647	Scaling networks V6	CCNA Module 3 (V7)	Scaling networks	3	15	73
4520-603 7630-603 7540-648	Routing and switching essentials V6		Connecting networks	3	18	91
4520-607 7630-607 7540-607	IT Essentials		ICT fundamentals	2	20	111

### 3.1.2. CompTIA – same unit numbers in 7540, 4520 and 7630

Unit no.	Vendor title	City & Guilds title	Level	Credit	GLH
604	Strata Functionality	Practical fundamentals of ICT	1	9	49
605	Strata Technology	Fundamentals of IT technology	1	7	38
606	Cloud Essentials	Principles and concepts of Cloud computing	2	8	40
607	CompTIA A+ (1 & 2)	ICT fundamentals	2	20	111
608	Linux Exam 1	Fundamentals of Linux based operating systems	3	7	40
609	Cloud +	Implementing and maintaining Cloud technologies and infrastructure	3	10	50
610	Linux Exam 2	Configure and manage Linux based operating systems	3	12	71
611	Network +	Implement and manage a network	3	10	58
612	Security +	Securing ICT systems and networks	3	9	51
613	Server +	Install and configure a server	3	9	48
614	Mobility+	Implement and manage a mobile computing environment	3	8	47
615	Mobile App Security iOS	Developing security for mobile apps on iOS	3	14	77
616	Mobile App Security Android	Developing security for mobile apps on Android	3	13	73

### 3.1.3. Microsoft units – same unit numbers in 7540, 4520 and 7630

Unit no.	Vendor title	City & Guilds title	Level	Credit	GLH
617	Windows Server Administration Fundamentals (365)	Fundamentals of Windows based server administration	2	10	55
618	Database Administration fundamental (364)	Fundamentals of Database administration	2	8	40
619	Windows operating system fundamental	Fundamentals of Windows based operating systems	2	8	42

Unit no.	Vendor title	City & Guilds title	Level	Credit	GLH
620	Software development fundamentals (361)	Software development fundamentals	2	10	61
621	Gaming development fundamentals (374)	Gaming development fundamentals	2	8	45
622	HTML5 application development fundamentals (375)	HTML5 application development fundamentals	2	8	41
623	Software testing fundamentals (379)	Software testing fundamentals	2	8	39
624	Networking fundamentals (366)	Networking fundamentals	2	9	47
625	Security fundamentals (367)	IT security fundamentals	2	8	43
626	Windows development fundamentals (362)	Windows development fundamentals	2	8	38
627	Web development fundamentals (363)	Web development fundamentals	2	8	43
628	NET fundamentals (372)	.NET fundamentals	2	9	49
629	Mobile development fundamentals (373)	Mobile development fundamentals	2	8	41
630	Administering Microsoft SQL server 2012 databases (462)	Administering server databases	3	12	48
631	MS Administering Windows Server 2012 (410)	Administering a Windows based server	3	11	50
632	Configuring advanced windows server 2012 server services (412)	Configuring advanced Windows server services	3	12	52
633	MS Configuring a Windows 8 (687) OR MS Configuring Windows Devices (697)	Configuring Windows based systems	3	12	47
634	MS Installing and Configuring Windows Server 2012 (410)	Installing and configuring Windows based servers	3	11	57
635	Programming in HTML5 with JavaScript and CSS3	Programming in HTML5 with JavaScript and CSS3	3	11	43

Unit no.	Vendor title	City & Guilds title	Level	Credit	GLH
<b>636</b>	Implementing a Data Warehouse with Microsoft SQL Server 2012 (463)	Implementing a Windows based data warehouse	3	10	41
<b>637</b>	MS Managing and maintaining a Windows 8 (688)	Managing a Windows based system	3	11	49
<b>638</b>	MS Implementing a Desktop Infrastructure (415)	Designing and implementing a Windows desktop infrastructure	4	13	56
<b>639</b>	MS Implementing Desktop Application Environments (416)	Implementing Windows Desktop application environments	4	12	50
<b>640</b>	Core Solutions of Microsoft Exchange Server 2013 (341)	Supporting Microsoft Exchange Server solutions	4	12	52
<b>641</b>	MS Designing and Implementing a Server Infrastructure (413)	Designing and implementing a Windows server infrastructure	4	13	54

#### 3.1.4. Huawei

Unit no.	Vendor title	City & Guilds title	Level	Credit	GLH
<b>4520-600</b> <b>7630-600</b> <b>7540-645</b>	HCIA Routing + Switching	Introduction to networks	3	17	83
<b>4520-601</b> <b>7630-601</b> <b>7540-646</b>		Routing and switching essentials	4	27	143
<b>4520-602</b> <b>7630-602</b> <b>7540-647</b>		Scaling networks	3	15	73
<b>4520-603</b> <b>7630-603</b> <b>7540-648</b>		Connecting networks	3	18	91

### 3.1.5. Juniper

Unit no.	Vendor title	City & Guilds title	Level	Credit	GLH
4520-600 7630-600 7540-645	Juniper JNCIA – Junos (Enterprise R+S or Service Provider)	Introduction to networks	3	17	83
4520-601 7630-601 7540-646		Routing and switching essentials	4	27	143
4520-602 7630-602 7540-647		Scaling networks	3	15	73
4520-603 7630-603 7540-648		Connecting networks	3	18	91

## 4. Summary

To bring our IT Professional qualifications up to date and prepare them to allow for the development of pathway certification in various parts of the UK, City & Guilds undertook a review of the 7540, 7630 and 4520 product range.

We have removed named Vendor products that no longer exist but are maintaining our Vendor Alike units to ensure that training providers can still make use of the latest offerings from a wide range of organisation and not just the 3 main ones of Cisco, CompTIA and Microsoft.

It was clear that the programming units with named languages were restrictive if training providers wished to offer anything not listed as a unit. These have been replaced with generic units to allow the selection of the most appropriate programming methodology and language for the local need.

It was also clear that some units were in one level of a qualification, but not in the one above or below, and in one case a couple of lower-level units only appeared in the higher level. This has now been rectified and the qualifications are more inline from level to level.

Finally, as the need for information or cyber security programmes has grown, City & Guilds have added a range of units allow for either pure information/cyber security course or for providers to add a relevant unit to a network, software, web development or telecoms programme they already have in place.

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## About City & Guilds

Since 1878 we have worked with people, organisations and economies to help them identify and develop the skills they need to thrive. We understand the life changing link between skills development, social mobility, prosperity and success. Everything we do is focused on developing and delivering high-quality training, qualifications, assessments and credentials that lead to jobs and meet the changing needs of industry.

We work with governments, organisations and industry stakeholders to help shape future skills needs across industries. We are known for setting industry-wide standards for technical, behavioural and commercial skills to improve performance and productivity. We train teams, assure learning, assess cohorts and certify with digital credentials. Our solutions help to build skilled and compliant workforces.

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