

## All about Building Services

Issue 04 September 2018

A newsletter from City & Guilds on professional and technical educational updates in Building Services for all nations.

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- New qualifications and updates - 18<sup>th</sup> Edition 2382-18, RAC, Gas 9074-03
- New Learning Support Materials
- Gas Assessment Update
- Regional Network Meetings and location map

## Newsletter

Have you downloaded our previous newsletters? Please follow this link to view past newsletters containing information on gas assessment updates, 2365 paperwork and links along with further information on BSE <https://www.cityandguilds.com/qualifications-and-apprenticeships/building-services-industry#fil=apprenticeship>

## CPD events

Please take a look at our full list of CPD events below, including:

- Preparing your Apprentice for End Point
- Best practice in the quality assurance for the new Apprenticeship Standards
- Best practice in professional discussions

<https://www.eventbrite.co.uk/o/city-amp-guilds-10977079418>

## Functional skills updates

The reformed Functional Skills qualifications will be available for teaching with effect from September 2019, to find out what this means for your delivery and the impact on your apprentices, join our monthly webinars to keep up to date.

Visit the Functional Skills page for further information and the link to register for the webinars:

<https://www.cityandguilds.com/what-we-offer/centres/maths-and-english/functional-skills-assessment-updates>

Update on government reforms

## T-Levels – England

A recent IfA review of content has resulted in the Design, Surveying and Planning pathway being selected for delivery of a T level in 2020, ahead of Building Services Engineering and On-site Construction, which will now follow for first delivery in 2021:

<https://www.instituteforapprenticeships.org/about/outline-content-for-first-new-t-levels/>

<https://www.cityandguilds.com/tlevels>

## Email Updates

Please register for email alerts to remain updated. All invites to regional networks, seminars and regular updates like this newsletter will be advertised through the email update system, if you are not registered you may be missing out.

**Register here** - <https://www.cityandguilds.com/what-we-offer/centres/email-updates>

## Assessor opportunities at City & Guilds

### Independent End-point Assessors - Property Maintenance

City & Guilds are proud to say we have been approved to deliver the End-Point Assessments for the new Property Maintenance Apprenticeship Standards.

We are now looking for qualified Independent End-Point Assessors for this Standard to help us ensure quality in the apprenticeship system, building on the trust and reputation that comes with our heritage.

As an Independent End-point Assessor, you will be responsible for:

- Assessing and documenting apprentice competence against industry specific apprenticeship standards, at designated venues using the stated assessment methods.
- Providing advice and support on end-point assessment sites and to the End-point Assessment team
- Participating in standardisation activities, to ensure a consistent approach to independent end-point assessment.
- Maintaining a thorough knowledge of City & Guilds independent end-point assessment policies and procedures.

It's important to note that our Independent End-point Assessors are contracted on an annual basis, and that this is not a permanent role with City & Guilds.

For more information and how to apply, please [click here](#)

## New qualifications and updates

Refrigeration air conditioning and heat pump engineering technician Apprenticeship standard - <https://www.instituteforapprenticeships.org/apprenticeship-standards/refrigeration-air-conditioning-and-heat-pump-engineering-technician/>

Please follow link to on programme qualification resources and learner journal - <https://www.cityandguilds.com/qualifications-and-apprenticeships/building-services-industry/refrigeration-and-airconditioning/6090-refrigeration-airconditioning-and-heat-pump-systems#tab=documents>

## 2357

### RPL and exemption from 2365 and other equivalent qualifications.

Currently centres use the various RPL registrations or the 2357-91 unit route. In future we will be closing the various registration routes and encouraging centres to register on the unit route and then claim proxy units against exempt units. There will be a new RPL document available this month to ensure the exemptions are clear. Please look out for the latest RPL exemption document which will be available on the website later this month

Unit routes – do you have 2357-91 approval? If not please ask your quality office and EQA

## 18th Edition IET Wiring Regulations 2018

Did you attend if not details recording and FAQ document below

### 18th Edition IET Wiring Regulations

Thank you for attending  
our webinar



#### Webinar slides

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London, UK  
EC1A 9DD

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The Institution of Engineering and  
Technology (IET) 18th Edition  
Wiring Regulations launch

Steven Devine - IET Senior Engineer at The IET  
Peter Tanner - Lead Technical Consultant at City & Guilds



#### Questions and Answers

#### City & Guilds and The IET – 18th Edition Wiring Regulations webinar 08.06.2018

How soon will the tutor pack be available?

The Qualification Handbook should be available on the [2382 webpage](#) from mid-June. There's very few changes from the current handbook as the structure of BS 7671 hasn't changed and therefore the test specification is only slightly different to the 2382-15. The tutor pack on SmartScreen will be available as soon as possible after 2 July.

Download the slides here <https://email.cityandguilds.com/1LRT-5OP19-KISD1U-364K5E-1/c.aspx>  
Read the FAQ's here -<https://email.cityandguilds.com/1LRT-5OP19-KISD1U-365N58-1/c.aspx>

#### Links to other qualifications (5357)

Upon achievement of the 5357-03 or 5357-93 (unit route) candidates are able to apply for addition certification;

#### 2382 Requirements for Electrical Installations

To gain certification for Level 3 Award in the Requirements for Electrical Installations BS 7671:2018,

candidates must have achieved the assessment 5357-018 and have been certificated against 5357-03/93.

Centres can then register candidates onto the 2382-78 and claim the certification module 2382-919

which will generate this certificate.

**SmartScreen** for 2391 live Sep 2019

## Level 3 Gas Engineer - 9074

Level 3 gas qualification which provides a suitable entry route on to the gas safe register. This product can be delivered as a stand alone qualification or as part of the new gas apprenticeship.

Smartscreen available September/November 2018

**Available now** - This training manual (£30) supports practical learning for the new gas apprenticeship and associated 9074 qualification – ordered through walled garden, smartscreen version coming soon



### Gas Apprenticeship Training Manual

Purchase from Walled Garden –  
search code - TL081117

## Learning Support Materials

New enhanced SmartScreen packages available

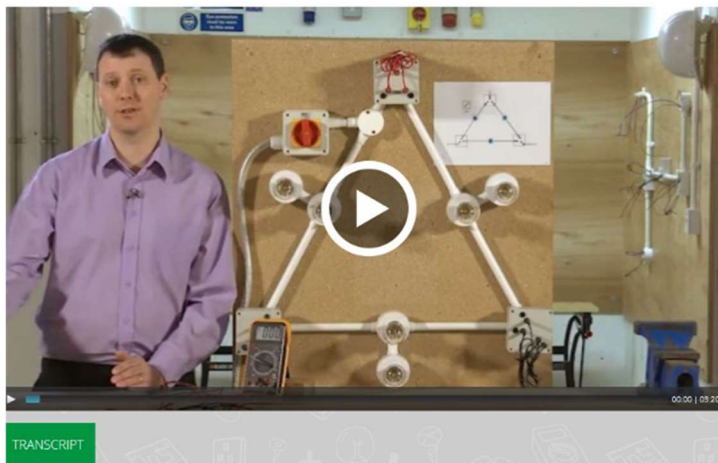
Level 2 E-Learning for electrical and plumbing – updated with additional units since launch

- <https://vimeo.com/231921511/d24c1e8bed>
- <https://vimeo.com/229998513/9131cb8644>



### Delta network systems

Watch the video for an Introduction to delta network systems, and how voltage and current are affected.



## New Textbooks

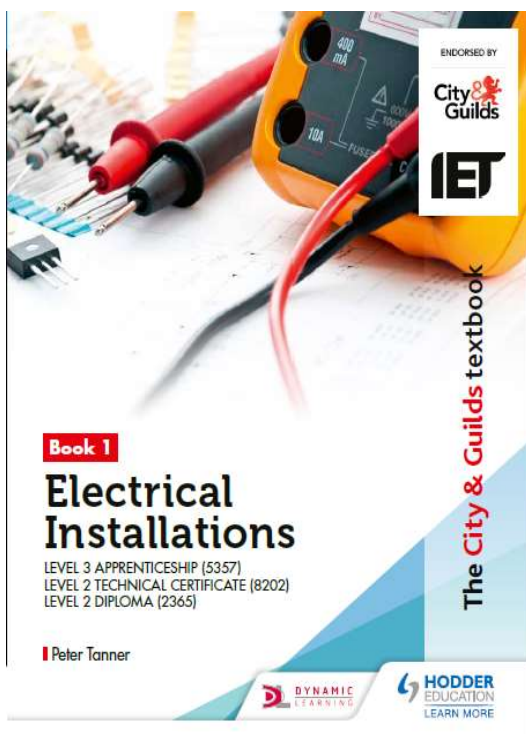
New electrotechnical books available

Book 1 Electrotechnical – November 2018 – in press awaiting distribution

Book 2 Electrotechnical – November/December 2018

Book 1 Plumbing – December 2018/Early 2019

Book 2 Plumbing – Early 2019



The City & Guilds Textbook  
Plumbing Book 1  
for the Level 3 Apprenticeship and Level 2 Technical Certificate

Author: Michael B. Maskrey

Hodder Education and City & Guilds: partners in vocational education

Equip your learners with the tools for success with Plumbing Book 1, published in association with City & Guilds

Encourage learners to study with confidence, covering all core units for the new specifications, end of unit practice questions and activities, and practice mini-assignments for synoptic assessment

Helps students get to grips with technical content presented in accessible language and enhance their understanding of plumbing practice with clear and accurate illustrations and diagrams demonstrating the technical skills they need to master

Help students practise Maths and English in context, with embedded Improve your maths and English activities

Prepare learners for the workplace with up-to-date information on relevant key regulations and industry standard, and keeps knowledge current, with clear coverage of major modern cold water, hot water, central heating, sanitation and rain water systems

**Price: £29.99**  
**Available: August 2018**  
**ISBN: 9781510416482**

**This title will also be available as a:**

**Student eTextbook**  
A downloadable version of the printed textbook that students can use offline on their own devices.  
Price: 1 year: £7.50; 2 year: £12; 3 year: £17.99 • Available September 2018 • ISBN: 9781510416031

**Whiteboard eTextbook**  
An online, interactive version of the printed textbook for front-of-class teaching and lesson planning.  
Price: Small college: £150, Large college: £200 • Available August 2018 • ISBN: 9781510416000

For more information, visit <https://www.hoddereducation.co.uk/city-guilds>



## 5357 Logbook

### Training manual – 5357/2357/6035/8202

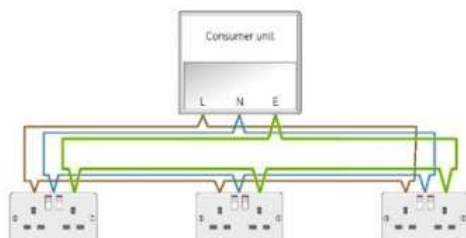
LTM (139 pages) & Logbook (132 pages) - TL035357 - £30

LTM only - TL999999

Logbook only – free download pdf from website

Writeable pdf's of both – smartscreen £350

#### E9 (CONTINUED) CABLE CLIPPING AND SOCKET OUTLET CONNECTION

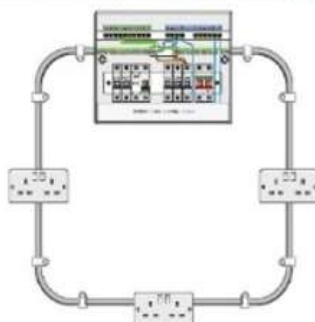


#### E9 CABLE CLIPPING AND SOCKET OUTLET CONNECTION

Construct a ring final circuit using 2.5mm<sup>2</sup> flat profile twin and cpc cable clipped to a surface.

Note: use the installation from task E8. This work will be used in task E10.

Step	Complete all the tasks below	Completed checklist
1	Remove knick-outs from metal boxes, where required, and insert rubber grommets.	<input type="checkbox"/>
2	Measure and cut the cables to the required lengths. Allow sufficient length at each end for comfortable connection.	<input type="checkbox"/>
3	Clip cables to surface as per the layout diagram below, paying particular attention to the radius of the bends. The IET On-site Guide may be consulted for bend radius dimensions. Ensure that the cables lie flat on the surface at all points.	<input type="checkbox"/>
4	Remove a suitable length of outer sheath on each of the cable ends.	<input type="checkbox"/>
5	Remove the insulation from each conductor, sufficient to fit into the terminals without excess bare copper being exposed.	<input type="checkbox"/>
6	Fit green/yellow sleeve over all cpc conductors.	<input type="checkbox"/>
7	Correctly connect the circuit to form a ring final circuit, as shown in the connection diagram.	<input type="checkbox"/>
8	Ensure that all terminations are correct, and that they are electrically and mechanically sound.	<input type="checkbox"/>



Continued

User completed

Trainer's feedback comments



## Regional Network Meetings and webinars

### BSE Digital resources webinar

Want to consider utilising our teaching and learning videos for plumbing and electrical?  
Do you want an update on our textbooks to support 2365/5357/6035 and 8202 Technicals?  
Looking to enhance your employability skills with our Skillzone digital platform?  
If so please register now for this demonstration webinar where we will take you through how these systems work and look for you and your learners.

Register here - **<https://attendee.gotowebinar.com/register/4365490365213653763>**

## BSE Regional networks

Focussed on Plumbing and Gas - but available for advice on electrical, RAC, H&V  
With educational policy impacting on provision there continues to be changes to how we offer and deliver our courses in BSE.

We hope to keep our networks updated by our latest series of autumn meetings.  
This network meeting will be delivered by a City & Guilds Technical Advisor and cover trailblazers, standards, technicals, T levels and more.

Not one in your area and if you would like to host just let us know. We will be hosting networks to discuss the plumbing and gas qualifications throughout November and December, all we need is a room we do the rest just contact us for more information.

**[buildingservices@cityandguilds.com](mailto:buildingservices@cityandguilds.com)**

Region	Location	Date	Sales contact	Eventbrite link
East Midlands	Burton South Derbyshire	7.11.18	Rebecca Hollamby	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-burton-south-derbyshire-tickets-48370392145">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-burton-south-derbyshire-tickets-48370392145</a>
Yorkshire	Wakefield Office	9.11.2018	Laura Harrup	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-wakefield-tickets-47984526009">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-wakefield-tickets-47984526009</a>
Wales		TBC		TBC
Lancashire	Wigan College	27.11.18	Sarah Turner	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-wigan-tickets-49215018445">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-wigan-tickets-49215018445</a>
London	London offices	30.11.18	Rob M	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-london-tickets-48369306899">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-london-tickets-48369306899</a>
Merseyside	St Helens College	7.12.18	Jonathan Bates	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-merseyside-tickets-50219222045">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-merseyside-tickets-50219222045</a>
Midlands	Stoke	18.12.18	Debs Wray	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-stoke-tickets-48368642913">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-stoke-tickets-48368642913</a>
East	Northampton	6.1.19	Rachel Knight	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-northampton-tickets-48947159271">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-northampton-tickets-48947159271</a>
East	Colchester	9.1.19	Martin Newman	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-colchester-tickets-48370120332">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-colchester-tickets-48370120332</a>
Devon/Cornwall	South Devon College	9.1.19	Kerry Dunkley	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-south-devon-college-tickets-50163161366">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-south-devon-college-tickets-50163161366</a>

South West	Weston College	10.1.19	Kerry Dunkley	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-weston-tickets-48364077257">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-weston-tickets-48364077257</a>
London	London offices	11.1.19	Rob M	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-london-tickets-48369306899">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-london-tickets-48369306899</a>
North East	Newcastle College	22.1.19	Lucy Marshall	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-newcastle-college-tickets-50650652465">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-newcastle-college-tickets-50650652465</a>
Midlands	Dudley area TBC	24.01.19	Debs Wray	TBC
South East	Mid Kent	30.1.19	Martin Newman	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-mid-kent-college-tickets-48876786785">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-mid-kent-college-tickets-48876786785</a>
North East	Hartlepool College	7.2.19	Lucy Marshall	<a href="https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-hartlepool-college-tickets-50271681954">https://www.eventbrite.co.uk/e/bse-regional-network-plumbing-and-gas-hartlepool-college-tickets-50271681954</a>
Northern Ireland	TBC	13.2.19	Diane Weatherup	TBC
Northern Ireland	TBC	14.2.19	Diane Weatherup	TBC

## BSE Regional networks location map



## Tell us what you think

*All About Building Services* is a newsletter that brings together all of the key developments from City & Guilds relevant to Construction skills learning across England, Scotland Northern Ireland and Wales. It contains updates on the range of teaching and learning resources we offer, plus relevant public policy or other information we think you might be interested in.

Each edition is numbered, so we can refer back to previous issues or tell you when information has been superseded.

If there's anything else you'd particularly like us to cover or explain more fully in future issues of *All About*, please feel free to drop us a line to

For specific queries and enquiries please contact our dedicated customer support team:

**[PDCustomerSupport@cityandguilds.com](mailto:PDCustomerSupport@cityandguilds.com)**

Thank you for your continued support.
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