

HEEA

Highway Electrical Association

Information Required and Learner Actions

1. The Learner must bring with them:
 - In date calibrated and mechanically sound test equipment and test leads that are required to be used during onsite testing
 - Current copy of the IET regulations BS7671:2018, GN3 and Onsite Guide

714 - Initial and Periodic Electrical Inspection and Testing (Public Lighting)

Duration:	3 days
Suitable for:	<p>This course is for those who carry out, or who are working towards as part of their duties the Initial Verification and the Periodic Inspection of a Highway Electrical Installation for verifying compliance with BS 7671 (IEE Wiring Regulations) and confirming that deterioration has not made the Highway Electrical Installation unsafe. These processes rely on observation, electrical testing and the recording of data together with subsequent judgements to determine whether the installation is compliant and safe for use</p> <p>This course provides the required level of underpinning knowledge as required for the Level 3 Highway Electrical Competence Based Qualification (NVQ) leading to the independent Practical Performance Assessment (PPA).</p>
Course aim:	This course aims to provide operatives with the knowledge and skills required for Initial and periodic electrical inspection and testing of new, existing or refurbished installations
Prerequisites:	<p>In order to gain maximum benefit and learning outcomes from this course there are a number of training modules, which are required before attending. A complete list of pre-course requirements are available from the Training Specification located in the Download section of the HERS web site at: https://thehea.org.uk/hers-hesa/hers-resources/ - Category: HERS Handbook and Training Specification</p> <p>** Confirmation will be required that the prerequisites have been achieved with in date certificated evidence of attending course 403 or equivalent **</p> <p>** A pre-questionnaire will need to be completed before Learners are accepted on the course. This will be sent upon receipt of order **</p>
Course Objectives:	<p>On completion of the course learners will be able to</p> <ul style="list-style-type: none">• Define the purpose and difference of initial and periodic inspection and testing• Use appropriate Test Equipment correctly and safely• Define the tests, test equipment and test methods• Carry out initial inspection and testing• Carry out periodic inspection and testing• Complete an appropriate Certificate• Explain the reasons for an appropriate record system• Identify appropriate action for unsatisfactory results• Record and report variations
What to do now:	<p>Further details and booking may be made from the website: https://thehea.org.uk/hea-specialist-training/</p> <p>Or by contacting the HEA (Highway Electrical Association) Office, on 01903 705140</p>

Course Programme

Please note that timings may vary from course to course – and the detailed order may change, to take into account individual learning needs and to ensure an effective learning experience for all Learners

Time (All timings approximate and may vary)	Content of Learning Sessions
Day 1 08:45	Arrival, coffee and Learner Introductions
AM	<ul style="list-style-type: none"> • Background recap – HASAWA, MHSWR, EAWR, ESQC Regs • Electrical Theory and BS7671 Recap – what do we need to know – Ohm's Law
PM	<ul style="list-style-type: none"> • Hazard Identification- hazards are introduced through insp. & testing • Risk Assessment – who is affected; what is the risk associated with the hazard and how likely is it to occur?; specific control measures • Supply types / system earthing arrangements / main voltage levels present (ELV, 230, 400) • Visual (Electrical) Inspection exercise. Safe Isolation / Carrying out a visual inspection
Day 2 08:45	
AM	<ul style="list-style-type: none"> • Initial and Periodic Electrical Inspection & Testing – purpose, procedures, verification • Continuity – why do we do it, what should we expect, how do we do it, followed by practical to carry out test
PM	<ul style="list-style-type: none"> • Insulation Resistance – why do we do it, what should we expect, how do we do it, followed by practical to carry out test • Polarity – why do we do it, what should we expect, how do we do it, followed by practical to carry out test • E.L.I.– why do we do it, what should we expect, how do we do it, followed by practical to carry out test • PSCC– why do we do it, what should we expect, how do we do it, followed by practical to carry out test
Day 3 08:45	
AM	<ul style="list-style-type: none"> • Day 2 review • Earth Electrode – why do we do it, what should we expect, how do we do it, followed by practical to carry out test • Full inspection & test on test rig, record results and verify
PM	
13:00	Practical Assessment
15:15	Summative Assessment
17:00	Course Conclusion / Feedback


HEA Training

Include▶▶Involve▶▶Inspire!™

714 - Initial and Periodic Electrical Inspection and Testing (Public Lighting):

at The Granary, Manor Farm, Brogborough, Milton Keynes MK43 0YD (<http://www.thegranarypage.co.uk/Location.htm>)

(By completing this booking form, you are confirming that the Employing Organisation has the employee consent to provide the information required below for Learner registration and certificate processing, Course 403 or equivalent in date certificate evidence will be required).

Learner First Name	Learner Surname	 Operative register to HERS? (Yes / No / Working Towards)	Have the Prerequisites been met (See Page 1) (Yes / No)				Special requirements (e.g. dietary needs)	Course Date Required	Course Location (see website)	HEA Your Organisation Status HEA Member? (Yes / No)
** YOU WILL NOT BE ISSUED WITH A CERTIFICATE UNLESS THE ABOVE INFORMATION IS FULLY COMPLETED **										

The cost of this course per learner is **£285 + VAT for HEA MEMBERS** and for **HERS REGISTERED** and **Non - HEA MEMBERS - £495 + VAT** (Inclusive of course material, course certificate, food and refreshments on the day).

Organisation Name:	<input type="text"/>	Contact Name:	<input type="text"/>
Organisation Address:	<input type="text"/>	Contact Person:	<input type="text"/>
Postcode:	<input type="text"/>	Contact Email:	<input type="text"/>
		Contact Tel:	<input type="text"/>

CANCELLATION FEES - Where cancellation is made 14-28 days before course date fee will be charged at 50%. Where cancellation is made less than 14 days before course date fee will be charged at 100%. Prices are inclusive of food & course venue – please arrange your own accommodation if required. HEA Training reserves the right to change the date of the training if minimum viable learner numbers are not met

Purchase Order No.:	<input type="text"/>	Signed:	<input type="text"/>	Date:	<input type="text"/>
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Please email your completed form to training@thehea.org.uk or fax to HEA on 01903 705149 or post to HEA, Highdown House, Littlehampton Road, Ferring, West Sussex, BN12 6PG

2011 Census Classification of Ethnic Group

Location of this course / NVQ assessment: England and Wales		Location of this course / NVQ assessment: Northern Ireland		Location of this course / NVQ assessment: Scotland	
White:		19	White	White:	
01	English/Welsh/Scottish/ Northern Irish/British	20	Chinese	30	Scottish
		21	Irish traveller	31	British
02	Irish	22	Indian	32	Irish
03	Gypsy or Irish Traveller	23	Pakistani	33	Any other White background
04	Any other White background	24	Bangladeshi	Mixed:	
Mixed / multi-ethnic groups:		25	Black Caribbean	34	
05	White and Black Caribbean	26	Black African	Asian, Asian Scottish or Asian British:	
06	White and Black African	27	Black other	35	Indian
07	White and Asian	28	Mixed ethnic group	36	Pakistani
08	Any other Mixed/multiple ethnic background	29	Any other ethnic group	37	Bangladeshi
Asian / Asian British:				38	Chinese
09	Indian			39	Any other Asian background
10	Pakistani			Black, Black Scottish or Black British:	
11	Bangladeshi			40	Caribbean
12	Chinese			41	African
13	Any other Asian background			42	Any other Black background
Black / African / Caribbean / Black British				Other ethnic background:	
14	African			43	Any other ethnic group
15	Caribbean				
16	Any other Black / African / Caribbean background				
Other ethnic group:					
17	Arab				
18	Any other ethnic group				