

FILLING STATION ELECTRICAL INSTALLATION CERTIFICATE

A DETAILS OF THE SITE OPERATOR			The installation work is
Name of site operator	<input style="width: 95%;" type="text"/>	Extent of installation work	New <input style="width: 40px;" type="text"/>
Address of filling station	<input style="width: 95%;" type="text"/>		An addition <input style="width: 40px;" type="text"/>
Telephone no	Postcode		An alteration <input style="width: 40px;" type="text"/>

B DESIGN

I/We, being the person(s) responsible for the DESIGN of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS EN 60079 and BS 7671 amended to (date) and the recommendations given in the APEA/IP guidance except for the departures, if any, detailed as follows:

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

For the **DESIGN** of the installation: *** (Where there is divided responsibility for the design)*

Signature	<input style="width: 95%;" type="text"/>	Date	<input style="width: 95%;" type="text"/>	Name (CAPITALS)	<input style="width: 95%;" type="text"/>	Designer 1
Signature	<input style="width: 95%;" type="text"/>	Date	<input style="width: 95%;" type="text"/>	Name (CAPITALS)	<input style="width: 95%;" type="text"/>	** Designer 2

D INSPECTION AND TESTING

I/We, being the person(s) responsible for the INSPECTION AND TESTING of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS EN 60079 and BS 7671, amended to (date) and the recommendations given in the APEA/IP guidance except for the departures, if any, detailed as follows:

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

For the **INSPECTION AND TESTING** of the installation:

Signature	<input style="width: 95%;" type="text"/>	Date	<input style="width: 95%;" type="text"/>	Name (CAPITALS)	<input style="width: 95%;" type="text"/>	Inspector
reviewed by						
Signature	<input style="width: 95%;" type="text"/>	Date	<input style="width: 95%;" type="text"/>	Name (CAPITALS)	<input style="width: 95%;" type="text"/>	Supervisor

C CONSTRUCTION

I/We, being the person(s) responsible for the CONSTRUCTION of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS EN 60079 and BS 7671 amended to (date) and the recommendations given in the APEA/IP guidance except for the departures, if any, detailed as follows:

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

For the **CONSTRUCTION** of the installation:

Signature	<input style="width: 95%;" type="text"/>	Date	<input style="width: 95%;" type="text"/>	Name (CAPITALS)	<input style="width: 95%;" type="text"/>	Constructor
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E DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

** This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.*

I, being the person responsible for the DESIGN, CONSTRUCTION, INSPECTION AND TESTING of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the said work for which I have been responsible is to the best of my knowledge and belief in accordance with BS EN 60079 and BS 7671, amended to (date) and the recommendations in the APEA/IP guidance except for the departures, if any, detailed as follows:

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

For the **DESIGN**, the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation.

Signature	<input style="width: 95%;" type="text"/>	Date	<input style="width: 95%;" type="text"/>	Name (CAPITALS)	<input style="width: 95%;" type="text"/>	Inspector
reviewed by						
Signature	<input style="width: 95%;" type="text"/>	Date	<input style="width: 95%;" type="text"/>	Name (CAPITALS)	<input style="width: 95%;" type="text"/>	Qualified Supervisor

F COMMENTS ON EXISTING INSTALLATION

Enter 'NONE' or, where appropriate, the page number(s) of additional page(s) of comments on the existing installation.

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G PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION			
DESIGN (1)	Organisation <input style="width: 90%;" type="text"/>	CONSTRUCTION	Organisation <input style="width: 90%;" type="text"/>
Address <input style="width: 95%;" type="text"/>	Address <input style="width: 95%;" type="text"/>	Address <input style="width: 95%;" type="text"/>	Address <input style="width: 95%;" type="text"/>
Postcode <input style="width: 95%;" type="text"/>	Postcode <input style="width: 95%;" type="text"/>	Postcode <input style="width: 95%;" type="text"/>	Postcode <input style="width: 95%;" type="text"/>
DESIGN (2)	Organisation <input style="width: 90%;" type="text"/>	INSPECTION AND TESTING	Organisation <input style="width: 90%;" type="text"/>
Address <input style="width: 95%;" type="text"/>	Address <input style="width: 95%;" type="text"/>	Address <input style="width: 95%;" type="text"/>	Address <input style="width: 95%;" type="text"/>
Postcode <input style="width: 95%;" type="text"/>	Postcode <input style="width: 95%;" type="text"/>	Postcode <input style="width: 95%;" type="text"/>	Postcode <input style="width: 95%;" type="text"/>

H NEXT INSPECTION	<i>§ Enter interval in terms of years, months or weeks, as appropriate</i>
I/We, the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than	<input style="width: 80%;" type="text"/> \$

I SUPPLY CHARACTERISTICS AND MAIN SWITCH		<i>Tick boxes and enter details, as appropriate</i>			
System type	TT <input type="checkbox"/>	TN-S <input type="checkbox"/>	Local TN-S <input type="checkbox"/>	TN-C-S <input type="checkbox"/>	
Number and type of live conductors	1-phase, 2 wire <input type="checkbox"/>	3-phase, 4 wire <input type="checkbox"/>	Other <input type="checkbox"/>	(please state) <input style="width: 50%;" type="text"/>	
Nature of supply parameters	Nominal voltage U ⁽¹⁾ <input style="width: 40%;" type="text"/> V	Nominal frequency ⁽¹⁾ <input style="width: 40%;" type="text"/> Hz	Prospective fault current ⁽²⁾⁽³⁾ <input style="width: 40%;" type="text"/> kA	External Z _e ⁽²⁾⁽³⁾ <input style="width: 40%;" type="text"/> Ω	
	U ₀ ⁽¹⁾ <input style="width: 40%;" type="text"/> V			No of supplies <input style="width: 40%;" type="text"/>	
Characteristics of primary supply overcurrent protective device(s)	BS EN <input style="width: 40%;" type="text"/>	Type <input style="width: 40%;" type="text"/>	Nominal current rating <input style="width: 40%;" type="text"/> A	Short-circuit capacity <input style="width: 40%;" type="text"/> kA	
Main switch or circuit-breaker	BS EN <input style="width: 40%;" type="text"/>	No of poles <input style="width: 40%;" type="text"/>	Supply conductor material <input style="width: 40%;" type="text"/>	Supply conductor csa <input style="width: 40%;" type="text"/> mm ²	
	Voltage rating <input style="width: 40%;" type="text"/> V	Current rating <input style="width: 40%;" type="text"/> A	Rated residual RCD operating current <input style="width: 40%;" type="text"/> mA	RCD operating time at residual operating current <input style="width: 40%;" type="text"/> ms	
Rated fault current of forecourt switchgear	<input style="width: 40%;" type="text"/> kA				
(1) by enquiry (2) by measurement (3) where more than one supply, record highest value					

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J RELATED REFERENCE DOCUMENTS		
<i>The inspector is required to confirm that all applicable related reference documents have been recorded.</i>		
		Date issued
Inventory of Electrical Equipment No	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>
Design Drawing No	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>
Method of Work No	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>
Risk Assessment No	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>
Hazardous Area Classification Doc. No	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>
Site Plan No	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>
Other (please state)	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>
Other (please state)	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>

L EARTHING ARRANGEMENTS				
<i>Tick boxes and enter details, as appropriate</i>				
Means of earthing	Distributor's facility	<input type="checkbox"/>	Installation earth electrode	<input type="checkbox"/>
Main Earthing Terminal	Can be disconnected by a link	<input type="checkbox"/>	Accessible	<input type="checkbox"/>
		<input type="checkbox"/>	Labelled	<input type="checkbox"/>
Main earthing conductor	Material	<input style="width: 40%;" type="text"/>	Csa	<input style="width: 40%;" type="text"/>
			Continuity check	<input type="checkbox"/>
Reference	Earth electrode type	Material	Location of electrode	Resistance to earth
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FILLING STATION ELECTRICAL INSTALLATION CERTIFICATE

N CHECKLIST FOR INSPECTION OF AN ELECTRICAL INSTALLATION

† See note below

<input type="checkbox"/>	1	Presence of records, diagrams and schedule information	<input type="checkbox"/>	18	Selection of wiring systems and conductors for current-carrying capacity and voltage drop	<input type="checkbox"/>	35	The location and adequacy of the tanker stand lighting is correct
<input type="checkbox"/>	2	Electrical characteristics at the origin	<input type="checkbox"/>	19	Cables routed correctly	<input type="checkbox"/>	36	Additional checks for all hazardous area equipment and components (this does not refer only to dispensers):
<input type="checkbox"/>	3	Earthing connections and bonding	<input type="checkbox"/>	20	Presence of fire barriers and protection against thermal effects	<input type="checkbox"/>	a	nameplate details - accredited certification mark, certificate standard number
<input type="checkbox"/>	4	Presence of test earth fault loop impedance socket-outlet adjacent to supply intake (non-hazardous area)	<input type="checkbox"/>	21	Integrity of ducts, ducting, trenches, piping, access chambers etc. for fuel in both liquid and gaseous forms	<input type="checkbox"/>	b	explosion protection suitable for zone of installation
<input type="checkbox"/>	5	Presence of lightning protection	<input type="checkbox"/>	22	Presence of signs, labels and other warning notices	<input type="checkbox"/>	c	correct temperature classification
<input type="checkbox"/>	6	Methods of protection against direct and indirect contact	<input type="checkbox"/>	23	Lighting (e.g. enclosures and seals)	<input type="checkbox"/>	d	appropriate apparatus group or subgroup
<input type="checkbox"/>	7	Main switchboard and distribution boards - circuit identification	<input type="checkbox"/>	24	Serviceable lamps of correct types and ratings	<input type="checkbox"/>	e	correct circuit identification
<input type="checkbox"/>	8	Labelling of circuits, protective devices, switches and terminals	<input type="checkbox"/>	25	Apparatus is suitable for environment and correctly labelled	<input type="checkbox"/>	f	maintenance of integrity of enclosures
<input type="checkbox"/>	9	Presence of appropriate devices for secure isolation and switching	<input type="checkbox"/>	26	Damage to apparatus or wiring systems which might impair safety	<input type="checkbox"/>	g	cable glands, entries and stoppers etc. complete and appropriate to the enclosure
<input type="checkbox"/>	10	Isolating devices capable of being locked in the 'off' position	<input type="checkbox"/>	27	No unauthorised or unrecorded modifications/repairs or 'add-ons'	<input type="checkbox"/>	h	integrity of electrical connections
<input type="checkbox"/>	11	Choice and setting of protective and monitoring devices	<input type="checkbox"/>	28	No overhead lines (e.g. HV and LV power and telephone lines) over or encroaching on hazardous areas	<input type="checkbox"/>	i	satisfactory earthing, bonding etc.
<input type="checkbox"/>	12	Correct connection of socket-outlets, lamp holders and other accessories	<input type="checkbox"/>	29	No part of the hazardous area extends beyond the forecourt perimeter (including the zone around vent pipes)	<input type="checkbox"/>	j	correct rating of apparatus and components
<input type="checkbox"/>	13	Single pole devices for protection or switching in phase conductors only	<input type="checkbox"/>	30	No building opening extends into the hazardous area (including the zone around vent pipes)	<input type="checkbox"/>	k	adequate environmental protection, e.g. against weather, mechanical damage
<input type="checkbox"/>	14	All live conductors (including neutral) are switched and isolated for hazardous area circuits, including emergency switching	<input type="checkbox"/>	31	The zone around the vent pipes is free from electrical equipment including cables	<input type="checkbox"/>	37	Details of other items of non-compliance
<input type="checkbox"/>	15	Ancillary equipment - luminaires, socket-outlets, portable and transportable equipment	<input type="checkbox"/>	32	Suitability of residual current device (RCD) protection	<input type="checkbox"/>	38	No indication of fuel, oil or compound leakage
<input type="checkbox"/>	16	Selection of equipment and protective measures appropriate to external influences	<input type="checkbox"/>	33	There is no equipment which may influence the hazardous area by, for example, displacing and /or ingesting air out of, or into, the hazardous area	<input type="checkbox"/>	39	Accessible and impervious seals in ducts / ducting / pipes
<input type="checkbox"/>	17	Identification and connection of conductors	<input type="checkbox"/>	34	RCD protection has been provided for dispensers			

O FUNCTIONAL CHECKS

† See note below

<input type="checkbox"/>	Publicly-accessible emergency switching devices (where fitted) function correctly and are installed at the correct height	<input type="checkbox"/>	All emergency switches have red operators on yellow background	<input type="checkbox"/>	Firefighter's switch is at the correct height and functions correctly
<input type="checkbox"/>	Operator-controlled emergency switching devices function correctly	<input type="checkbox"/>	An emergency stop switch is provided at every operator position	<input type="checkbox"/>	The public address (PA) system is operating correctly and is not disabled by the emergency stop system
<input type="checkbox"/>	The emergency switch circuit cannot be re-energized other than by an authorized person	<input type="checkbox"/>	An emergency stop switch is provided at each exit of the autogas compound	<input type="checkbox"/>	The tanker stand lighting is functioning correctly
<input type="checkbox"/>	All emergency switches are correctly labelled	<input type="checkbox"/>	The autogas emergency stop switch(es) functions correctly	<input type="checkbox"/>	All RCDs and circuit-breakers operate correctly
		<input type="checkbox"/>	The Driver Controlled Delivery emergency stop switch functions correctly		

† All boxes must be completed. '✓' indicates that an inspection or test was carried out and the result was **satisfactory**. 'N/A' indicates that an inspection or test was **'Not Applicable'** to the particular installation.

