

CANDIDATE SKILLMATCH PROFILE

LEVEL 3 NVQ 2357- 44/91
 Diploma in Installing Electrotechnical Systems and Equipment

Candidate Name: _____ Date: _____

Employer / Company Name: _____

The purpose of this job Skillmatch profile is to ensure that the company can provide an adequate range and scope of activities necessary for the candidate to complete the requirements of the NVQ and meet the National Occupational Standards.

This document should be completed jointly between the candidate and the candidate's supervisor/line manager and sent to AET office prior to commencement of assessment for the work-based performance units.

SKILL AND KNOWLEDGE SCAN

Do you have knowledge of, and can you provide performance evidence relating to:

Yes	No	Do work records exist i.e. Photographic evidence RAMS, Drawings and test sheets	Can you provide witness testimony
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Please tick the relevant boxes

Have used **ACCESS EQUIPMENT**, such as

	Yes	No	Do work records exist i.e. Photographic evidence RAMS, Drawings and test sheets	Can you provide witness testimony
Steps				
Ladders				
Hop ups				
System scaffold				
Platform				
Powered platform				

Have worked with **RELEVANT PEOPLE**, such as

	Yes	No	Do work records exist i.e. Photographic evidence RAMS, Drawings and test sheets	Can you provide witness testimony
Customer / Client				
Site staff				
Other contractors				
Clients				
Colleagues				
Supervisors				

Have followed **SAFE SYSTEMS** of work, such as

	Yes	No	Do work records exist i.e. Photographic evidence RAMS, Drawings and test sheets	Can you provide witness testimony
Safe isolation				
Risk Assessments				
Permits to work				
PPE				
Method statement				

Do you have knowledge of, and can you provide performance evidence relating to:

Yes	No	Do work records exist i.e. Photographic evidence RAMS, Drawings and test sheets	Can you provide witness testimony
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Please tick the relevant boxes

Have installed in the following **WORKING ENVIRONMENT**

	Confined space				
	Offices				
	Schools				
	Leisure Centres				
	Hospital Wards				
	New build apartments				
	Factories				
	Workshops				
	Domestic				
	Working near machinery				

Installation of different **WIRING SYSTEMS**, such as

	MICC				
	PVC / PVC twin + CPC				
	PVC singles				
	SWA (PILC, XPLE, PVC)				
	Busbar systems & Powertrak				
	Data cables				
	Fibre Optic cables				
	Armoured / braided flexible cables and cords				
	Multicore / YY				
	FP200				

Installation of different **WIRING ENCLOSURES**, such as

	PVC conduit				
	PVC trunking				
	Steel conduit				
	Steel trunking				
	Cable tray				
	Basket systems				
	Ladder systems				
	Ducting systems				

Do you have knowledge of, and can you provide performance evidence relating to:

Yes	No	Do work records exist i.e. Photographic evidence RAMS, Drawings and test sheets	Can you provide witness testimony
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Please tick the relevant boxes

	Modular wiring systems				
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Installation and termination of different **ELECTRICAL EQUIPMENT**, such as

	Luminaires				
	Control systems				
	Fire / intruder alarms				
	Central Heating controls				
	Other				
	Distribution boards				
	Consumer units				
	Switchgear				
	Earthing fault and Over-current protective devices				
	Isolators				
	Motors and starters				
	Extractor fans				
	Switches				
	Socket outlets				
	Data socket outlets				
	Any type of lighting fitting				
	Air handling units				
	Transformers				

Installation and termination of different **ELECTRICAL SYSTEMS**, such as

	Lighting and controls				
	Power				
	LV Multi-phase (3Ø)				
	LV single phase (1Ø)				
	ELV				
	HV				

Ensuring your equipment is compatible with other **SITE SERVICES**, such as

	Water				
	Gas services				
	Air conditioning				

Performing of the following **ELECTRICAL TESTS**

	Continuity of CPC				
	Continuity of RFC				
	Insulation resistance				
	Polarity				

Do you have knowledge of, and can you provide performance evidence relating to:

Yes	No	Do work records exist i.e. Photographic evidence RAMS, Drawings and test sheets	Can you provide witness testimony
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Please tick the relevant boxes

	Earth fault loop impedance			
	Protective fault current			
	Operation of an RCD			
	Phase sequence			
	Functional testing			

diagnosing and correcting **ELECTRICAL FAULTS**, such as

	Loss of supply			
	Overload			
	Earth leakage			
	Open circuits			
	Short/Earth circuits			
	Sensitive RCD			
	High resistance joints			
	Transient voltage faults			
	Incorrect phase rotation			
	Loss of phase / line			
	Incomplete RFC			

Using appropriate **TOOLS AND INSTRUMENTS**, such as

	Multi-function tester			
	Voltage indicator			
	Low resistance ohm meter			
	Insulation Resistance meter			
	EFLI and PFC tester			
	RCD tester			
	Tong tester / clamp-on ammeter			
	Phase sequence tester			

Providing different **TECHNICAL AND FUNCTIONAL INFORMATION**, such as

	Manufacturers data			
	Installation specifications			
	Maintenance schedules			
	Health and Safety requirements			
	User instructions			

Providing information on the following **ENVIRONMENTAL TECHNOLOGY SYSTEMS**

	Solar photo voltaic			
	Solar thermal hot water heating			

Do you have knowledge of, and can you provide performance evidence relating to:

Yes	No	Do work records exist i.e. Photographic evidence RAMS, Drawings and test sheets	Can you provide witness testimony
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Please tick the relevant boxes

	Wind energy				
	Micro hydro				
	Heat pumps				
	CHP and micro CHP				
	Grey water recycling				
	Rainwater recycling				
	Biomass heating				

Candidate Signature: _____

I confirm that this Skillmatch profile has been completed in the presence of the candidate and his supervisor/line manager. I consider the candidate ready to begin their assessment towards the performance units

YES [] NOT YET []

WITNESS

Name: _____

Date: _____

Signature: _____

ASSESSOR

Name: _____

Date: _____

Signature: _____