



MCS Company Scheme Criteria for:

Solar Thermal Nominated Technical Persons Criteria

DRAFT Consultation Document

This document shows the Competence Criteria required to be met by a company undertaking the type of work detailed above.



These competencies have been identified from the current Qualifications Credit Units (QCF) devolved from the National Occupational Standards (NOS) to cover the range of work a Nominated Technical Person (NTP) working in the scope identified on the front page would normally undertake.

Anybody holding:

1. An approved Solar Thermal Assessment Certificate

Is likely to have met with all of the criteria presented within this document.

An Experienced Workers Route (EWR) will cover all the competencies outlined if taken in support of a EWR covering the same detail as titled on this document.

A full list of Qualifications that have been deemed to have met this criteria can be found at <http://www.microgenerationcertification.org/> along with access to EWR providers.

Please note anybody who has achieved the assessment without holding the correct mandatory Pre-requisites are likely to have to demonstrate further compliance against this company criteria.

Criteria Presentation

The criteria shown below in the following tables has been purposely presented in one of five categories:

1. Health and Safety – HS
2. Technical Skills – TS
3. Soft Skills – SS
4. Other – OT
5. Additional Information - AD

Where any box is blank these are intentionally blank.

By presenting the criteria within this format, it allows evidence to be collated for the Experienced Workers Route (EWR) options of evidencing compliance with the criteria.



Health and Safety Skills			
No.	Objective	No.	Criteria
1	Know the health and safety risks and safe systems of work associated with solar thermal hot water system installation work	1	Confirm which aspects of solar thermal hot water system installation work pose risk of:
		2	Electrocution/electric shock
		3	Burns
		4	A fall from height
		5	Personal injury through component/equipment handling
		6	Toxic poisoning
		7	Injury through flash to steam of system heat transfer fluid

Technical Skills			
No.	Objective	No.	Criteria
2	Know the requirements of relevant regulations/standards relating to practical installation, testing and commissioning activities for solar thermal hot water system installation work	1	Interpret building regulation/building standards guidance documentation as relevant to solar thermal hot water system installation work to identify the requirements in relation to:
		2	Maintaining the structural integrity of the building
		3	Maintaining the fire resistant integrity of the building
		4	The prevention of moisture ingress (building water tightness)
		5	Notification of work requirements
		6	Control of temperature in primary and secondary circuits
		7	Including primary circuits
		8	Connected to unvented hot water storage systems
		9	Energy conservation
		10	Testing and commissioning
		11	Requirements
		12	Compliance certification
		13	Interpret industry recognised water regulation/byelaw guidance documentation as relevant to solar thermal hot water system installation work to identify the requirements in relation to:
		14	Prevention of contamination of the wholesome water supply
		15	Energy conservation
		16	Safe operation
		17	Testing and commissioning requirements
3	Know the types and layouts of solar thermal hot water system	1	Identify the following solar thermal hot water systems types:
		2	Fully filled (active)
		3	Drainback (active)
		4	Passive (thermosiphon)
		5	Identify the following solar thermal hot water system storage vessel types and collector circuit arrangements:



		6	Direct (fully filled) dhw storage cylinder only
		7	Indirect, sealed collector circuit, dhw storage cylinder only (solar primary coil only)
		8	Indirect, sealed collector circuit, dhw storage cylinder only (dual coil)
		9	Indirect, sealed collector circuit, pre-heat cylinder and dhw storage cylinder
		10	Indirect, sealed collector circuit, thermal store
4	Know the purpose of components used within solar thermal hot water system installations	1	Confirm the purpose of the following solar thermal hot water system components:
		2	Differential temperature
		3	Controller
		4	Cylinder sensor(s)
		5	Solar collector sensor
		6	Drain back vessel
		7	Flow meter
		8	Flow regulator (mechanical)
		9	Expansion vessel
5	Know the types and key operating principles of solar collectors	1	Identify the following types of solar collector
		2	Unglazed collector
		3	Flat plate glazed collector
		4	Roof integrated glazed collector
		5	Evacuated tube collector – Direct flow
		6	Evacuated tube collector – Heat pipe
		7	Confirm the key operating principles for:
		8	Flat plate collectors
		9	Evacuated tube collector – Direct flow
		10	Evacuated tube collector – heat pipe
		11	Identify the effect that the temperature difference between the solar primary circuit/collector temperature and the ambient temperature has on the relative efficiency of the following types of solar collector:
		12	Unglazed collector
		13	Flat plate glazed collector
		14	Evacuated tube collector
6	Know the information requirements to enable system component selection and sizing	1	Confirm the information requirements in relation to:
		2	Building design
		3	Building dimensions/angles
		4	Building location and orientation
		5	Building fabric/material details
		6	Existing input services



		7	Existing hot water/heating
		8	Systems
		9	Confirm the information requirements in relation to:
		10	Building occupancy
		11	Required hot water usage pattern
7	Know the fundamental techniques used to select, size and position components for solar thermal hot water systems	1	Confirm how to determine typical domestic hot water system storage vessel requirements in relation to:
		2	Daily demand (vd) (litres/day Per person or litres/day per m2 of floor area)
		3	Boiler volume (vb)
		4	Dedicated solar volume (vs)
		5	(litres per m2 of collector area or as a % of vd)
		6	Total cylinder volume (vt)
		7	Solar heat exchange coil surface area (m2 of surface area in relation to collector flow rate and collector surface area)
		8	Confirm how to determine typical domestic hot water system collector area requirements in relation to:
		9	Building occupancy
		10	Proposed angle of collector
		11	Installation
		12	Proposed orientation of collector installation
		13	Shading that may affect
		14	Collector performance
		15	Confirm how to determine the annual irradiation yield as a % of optimum in relation to:
		16	Collector orientation
		17	Collector angle
		18	Collector over shading
		19	State typical recommended solar primary circuit circulation rates
		20	Confirm how to determine solar primary circuit pipe size requirements in relation to:
		21	Primary circuit circulation rates
		22	Collector area
		23	Primary circuit pipework length
		24	Confirm how to determine total solar primary circuit water content volume
		25	Confirm how to determine total solar primary circuit expansion vessel size requirements in relation to:
		26	Primary circuit water content
		27	Volume
		28	Collector height above cylinder



		29	Identify typical sizing requirements for Drainback vessels in relation to:
		30	Net collector area
		31	Total volume of the system
		32	Confirm how to determine solar primary circuit dynamic pressure drop and circulating pump size requirements for:
		33	Fully filled systems
		34	Drainback systems
8	Know how the performance of solar hot water systems is measured	1	Define the meaning of the term 'solar fraction'
		2	Identify factors that affect the solar fraction
9	Know the preparatory work required for solar thermal hot water system installation work	1	State the requirements in relation to:
		2	Authorisation for the work to proceed
		3	The availability of appropriate access to all required work areas
		4	Confirm the requirements of pre-installation checks in relation to:
		5	The suitability of the proposed location and position of the solar collector(s) for optimum collection capacity
		6	The suitability of the building structure and the building fabric in relation to the installation of system components
		7	Verification that the generation capacity of the proposed solar hot water system installation is
		8	Appropriate to the hot water system energy load and usage
		9	The inspection of existing Hot water/heating system installations
		10	Water quality
		11	The availability of a suitable electrical input service
		12	The proposed siting of key internal system components
10	Know the requirements for connecting solar thermal hot water system collector circuits to combination boiler domestic hot water circuits	1	Confirm how to determine the suitability of combination boilers to receive pre-heated water.
		2	Confirm the pipework layout and components required for connecting a solar thermal hot water system to a combination boiler to include the:
		3	Arrangements for prevention of backflow
		4	Arrangements for ensuring that the combination boiler cold inlet supply water is provided at an appropriate temperature
		5	Arrangements for allowing stored hot water to be used
		6	Directly from the store when the temperature of the stored water is appropriate
11	Know the requirements for installing solar collector arrays	1	Confirm the positioning and fixing requirements and where appropriate the weathering requirements for the following solar collector types:



		2	Flat plate, surface mounted, inclined roof with single lap roof covering
		3	Flat plate, surface mounted, inclined roof with double lap roof covering
		4	Flat plate, integrated, inclined single lap roof covering
		5	Flat plate, integrated, inclined double lap roof covering
		6	Evacuated tube, inclined single lap roof covering
		7	Evacuated tube, inclined double lap roof covering
		8	Frame mounted, inclined (roof, wall or ground)
		9	Frame mounted, horizontal (roof or ground)
		10	Confirm the pipework layout, component requirements and component positioning requirements for the following system types and collector array connection arrangements:
		11	Fully filled system, collector array connected in series,
		12	Fully filled system, collector array connected in parallel,
		13	Fully filled system, collector array connected with east/west split
		14	Drainback system, single collector array
		15	Confirm the requirements to achieve durable weather-tightness of buildings where collector array connection pipework passes through the building fabric.
		16	State when specialist equipment is required in relation to preventing irradiation reaching collector absorbers during installation.
12	Know the requirements for installing for solar thermal hot water system pipework	1	Propose suitable pipework materials in relation to:
		2	System operating temperatures
		3	System operating pressures
		4	System chemicals
		5	Confirm the requirements for pipework supports in relation to:
		6	Suitable materials
		7	Spacing of pipework supports
		8	State suitable pipework jointing methods in relation to:
		9	System operating temperatures
		10	System operating pressures
		11	System chemicals
		12	Confirm the requirements for pipework insulation for solar thermal hot water system installation work in relation to:
		13	System operating temperatures
		14	System efficiency and performance
		15	Potential exposure of the insulation to ultra-violet rays/light
		16	Potential exposure of the insulation to adverse weather



		17	The sections of installations that must be insulated
		18	The sections of installations that must not be insulated
		19	Resistance to vermin attack
		20	Confirm the requirements for installing pressure relief valve discharge pipework in relation to:
		21	Routing of pipework
		22	Termination of pipework
13	Know the requirements to test and commission solar thermal hot water system installations	1	Confirm the requirements to prepare for testing and commissioning in relation to:
		2	Compliance with the system design and specification
		3	Compliance with system/component manufacturer requirements
		4	Suitability of electrical supply circuit arrangements
		5	Flushing the system of installation debris
		6	Selection of suitable heat transfer fluid
		7	Filling and venting the hydraulic circuits
		8	Checking system water quality
		9	Protection against freezing
		10	Provision of system labelling
		11	State what specialist equipment is required in relation to:
		12	The introduction and checking of system freeze protection fluids
		13	Setting system pressure
		14	Checking the corrosion protection of the system
		15	Confirm the testing requirements for hydraulic circuits within solar thermal hot water system installations in relation to:
		16	Hydraulic test pressure
		17	Hydraulic test duration
		18	Confirm the commissioning requirements for a fully-filled indirect sealed collector circuit installation in relation to:
		19	Setting of the expansion vessel
		20	Charge pressure
		21	Setting of the system fluid level
		22	Setting of mechanical controls
		23	Setting of electrical controls and temperature sensors
		24	System functional tests
		25	Confirm the commissioning requirements for a fully-filled Drainback installation in relation to:
		26	Setting of the system fluid level
		27	Setting of mechanical controls
		28	Setting of electrical controls and temperature sensors



		29	System functional tests
		30	Confirm the commissioning requirements for multiple collector arrays connected in series
		31	State the recording requirements for the commissioning of solar thermal hot water system installations
14	Know the requirements to handover solar thermal hot water systems.	1	Confirm the pre-handover checks that need to be carried out
		2	Relating to system operation and use confirm industry handover procedures in relation to the:
		3	Provision of written information
		4	Provision of diagrammatic information
		5	Provision of verbal information/demonstration
15	Undertake the routine service and maintenance of an 'active' solar thermal hot water system	1	Obtain the relevant information required to enable the work
		2	Undertake a visual service and maintenance inspection of a fully-filled or Drainback, 'active' solar thermal hot water system installation to include checks in relation to:
		3	Compliance with manufacturer's installation instructions
		4	Compliance with statutory regulations
		5	Condition of system components including cleanliness
		6	Correct positioning of system components
		7	Security of fixing of system components
		8	Undertake routine servicing of relevant components on a fully-filled or Drainback, 'active' solar thermal hot water system to include:
		9	Checking the system water levels
		10	Checking provision for the expansion of system water
		11	Checking for protection of the system water against freezing
		12	Cleaning of system components
		13	Adjustment of system controls
		14	Undertake routine service and maintenance functional tests on a fully-filled or Drainback solar thermal hot water system to confirm:
		15	Safe operation
		16	Efficient operation
		17	The correct functioning of system components/controls
		18	Complete the relevant service and maintenance records in accordance with industry recognised procedures
16	Undertake fault diagnosis work on 'active' solar thermal hot water system installations	1	Obtain the relevant information required to enable the fault diagnosis work
		2	Identify the cause of a minimum of four separate faults from the following list:
		3	Loss of system pressure without evidence of discharge
		4	Discharge from pressure relief valve on the solar primary circuit



		5	Insulation melting on solar collector circuit pipework
		6	Overheating of solar collector circuit
		7	Lack of circulation within the solar collector circuit
		8	Poor or no system performance
		9	System noise and/or vibration
		10	Agree with the relevant person(s) fault rectification procedures for the faults identified
17	Undertake fault rectification work on 'active' solar thermal hot water system installations	1	Obtain the relevant information required to enable the fault rectification work
		2	Take relevant precautionary actions to prevent unauthorised use of the system prior to or during the fault rectification work
		3	Take relevant precautionary actions to minimise the risk of injury to self or others during the fault rectification work
		4	Rectify a minimum of two separate faults from the following list:
		5	Loss of system pressure without evidence of discharge
		6	Discharge from pressure relief valve on the solar primary circuit
		7	Insulation melting on solar collector circuit pipework
		8	Overheating of solar collector circuit
		9	Lack of circulation within the solar collector circuit
		10	Poor or no system performance
		11	System noise and/or vibration
		12	Undertake post-rectification functional tests in accordance with manufacturer's guidance, regulatory requirements and industry recognised procedures to confirm that the system is in a safe, functional and efficient condition.
18	Plan and prepare for the installation of 'active' solar thermal hot water system	1	Undertake pre-installation checks for a solar hot water system installation to include checks relating to:
		2	Authorisation for the work to proceed
		3	Verification that the generation capacity of the proposed solar hot water system installation is appropriate to the hot water system load
		4	The availability of appropriate access to all required work areas
		5	The inspection of existing domestic hot water/heating system installations
		6	The availability of a suitable electrical input service
		7	The proposed siting of key internal system components
		8	The suitability of the building structure in relation to the proposed installation
		9	The suitability of the proposed location and position of the solar collector panel(s) for optimum collection capacity



		10	The suitability of the building fabric in relation to the installation of the solar collector panel(s)
		11	Confirm that the tools, materials and equipment required for the installation work are available and are in a safe, usable condition.
19	Install solar thermal hot water system components	1	Install in accordance with manufacturer's guidance, regulatory requirements and industry recognised procedures, key system components on either a fully-filled or Drainback, 'active' solar thermal hot water system to include as a minimum the positioning, fixing and connection of the following components:
		2	Fully-filled systems
		3	Solar collector
		4	Expansion vessel
		5	Solar circulating pump
		6	Drainback systems
		7	Solar collector
		8	Drainback vessel
		9	Solar circulating pump
20	Test and commission an 'active' solar thermal hot water system	1	Prepare a fully-filled or Drainback solar thermal hot water system for testing and commissioning to include checks/actions to confirm :
		2	Compliance with the system design and specification
		3	Compliance with system/component manufacturer requirements
		4	The suitability of electrical supply circuit arrangements
		5	Correct flushing the system of installation debris
		6	Correct filling and venting the hydraulic circuits
		7	Protection of the system against freezing
		8	Adequate provision of system labelling
		9	Test the system for hydraulic soundness using appropriate test equipment in accordance with manufacturer's guidance, regulatory requirements and industry recognised procedures
		10	Identify the commissioning requirements for the installation in relation to:
		11	The system/component manufacturer(s) requirements
		12	System design/specification requirements
		13	The client/end user requirements
		14	Statutory regulations and/or industry recognised procedures
		15	Commission a fully-filled or Drainback system in accordance with manufacturer's guidance, design requirements, client's requirements and statutory requirements and/or industry recognised procedures



		16	Complete relevant documentation to record the commissioning activities
21	Handover an 'active' solar thermal hot water system	1	Undertake relevant checks to ensure that the system is ready for handover and compliant with manufacturer's guidance, the system design/specification, client's requirements, regulatory requirements and/or industry recognised requirements
		2	Explain and demonstrate to the end user the operation and use of the system using manufacturer's guidance and industry agreed handover procedures
		3	Identify and explain to the end user any aspects of the system that varies from the agreed specifications and requirements
		4	Obtain acceptance by the end user of the system according to the industry agreed handover procedures
		5	Ensure that all relevant handover documentation is correctly completed and recorded in the appropriate information systems and passed to the end user in accordance with manufacturer's guidance and industry recognised procedures
22	Know the requirements for the routine service and maintenance of 'active' solar thermal hot water systems	1	Confirm which documentation needs to be available to enable routine service and maintenance work on 'active' solar thermal hot water systems
		2	Confirm the typical routine service and maintenance requirements for fully filled systems in relation to:
		3	Visual inspection requirements
		4	Cleaning of components
		5	Checking of system water content
		6	Functional tests
		7	Confirm the typical routine service and maintenance requirements for Drainback systems in relation to:
		8	Visual inspection requirements
		9	Cleaning of components
		10	Checking of system water content
		11	Functional tests
		12	Confirm the industry requirements for the recording and reporting of routine service and maintenance work on solar thermal hot water systems
23	Know how to diagnose faults in 'active' solar thermal hot water system installations	1	Confirm the information that needs to be available to enable fault diagnosis
		2	Confirm the work action and sequences required to diagnose the following faults:
		3	Loss of system pressure without evidence of discharge
		4	Discharge from pressure relief valve on the solar primary circuit
		5	Insulation melting on solar collector circuit pipework



		6	Overheating of solar collector circuit
		7	Lack of circulation within the solar collector circuit
		8	Poor or no system performance
		9	System noise and/or vibration
24	Know how to rectify faults in 'active' solar thermal hot water systems	1	Confirm the work action and sequences required to rectify the following faults:
		2	Loss of system pressure without
		3	Evidence of discharge
		4	Discharge from pressure relief valve on the solar primary circuit
		5	Insulation melting on solar collector circuit pipework
		6	Overheating of solar collector circuit
		7	Lack of circulation within the solar collector circuit
		8	Poor or no system performance
		9	System noise and/or vibration
25	Interpret the given information relating to the work and resources when installing solar collectors to roofs.	1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
		2	Comply with information and/or instructions derived from risk assessments and method statements.
		3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		4	Describe different types of information, their source and how they are interpreted in relation to:
		5	Drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and regulations governing buildings.
26	Know how to comply with relevant legislation and official guidance when installing solar collectors to roofs.	1	Describe their responsibilities under current legislation and official guidance whilst working:
		2	In the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		3	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		4	Explain what the accident reporting procedures are and who is responsible for making reports.
27	Maintain safe working practices when installing solar collectors to roofs.	1	Use health and safety control equipment and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when installing solar collectors to roofs.



		2	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to installing solar collectors to roofs, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:
		3	Collective protective measures
		4	Personal protective equipment (ppe)
		5	Respiratory protective equipment (rpe)
		6	Local exhaust ventilation (lev).
		7	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		8	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
28	Select the required quantity and quality of resources for the methods of work to install solar collectors to roofs.	1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
		2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:
		3	Solar collector installation kits
		4	Hand and/or powered tools and equipment.
		5	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		6	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		7	Describe any potential hazards associated with the resources and method of work.
		8	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install solar collectors to roofs.
29	Minimise the risk of damage to the work and surrounding area when installing solar collectors to roofs.	1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		2	Minimise damage and maintain a clean work space.
		3	Dispose of waste in accordance with legislation.
		4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities,



			organisational procedures, manufacturers' information, statutory regulations and official guidance.
30	Complete the work within the allocated time when installing solar collectors to roofs.	1	Demonstrate completion of the work within the allocated time.
		2	State the purpose of the work programme and explain why deadlines should be kept in relation to:
		3	Types of progress charts, timetables and estimated times
		4	Organisational procedures for reporting circumstances which will affect the work programme.
31	Comply with the given contract information to installing solar collectors to roofs to the required specification.	1	Demonstrate the following work skills when installing solar collectors to roofs:
		2	Removing, measuring, marking out, cutting, fitting, fixing, positioning, securing and replacing.
		3	Prepare for and install solar collectors to roof to given working instructions for one of the following:
		4	Integrated solar thermal
		5	Mounted solar thermal.
		6	Reinstate roof coverings to given working instructions.
		7	Safely use and handle materials.
		8	Safely use hand tools, portable power tools and ancillary equipment.
		9	Safely store the materials, tools and equipment used when installing solar collectors to roofs.
		10	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
		11	Assess the installation area
		12	Check the direction the roof is facing
		13	Remove or leave out waterproofing elements
		14	Mark out for installation using given templates or dimensions
		15	Prepare and weatherproof penetrations
		16	Fix additional supports
		17	Secure fixtures, fittings and collector.
		18	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
		19	Reinstate roof covering including flashings
		20	Install solar panels during construction and as retrofit to existing buildings
		21	Use hand tools, power tools and equipment
		22	Work at height
		23	Use access equipment.



		24	Describe the needs of other occupations and how to effectively communicate within a team when installing solar collectors to roofs.
		25	Describe how to maintain the tools and equipment used when installing solar collectors to roofs.
32	Understand basic solar thermal technologies and systems	1	List the components in a typical solar thermal system
		2	List the different types of solar thermal collectors
		3	Outline how solar thermal collectors heat outputs vary with:
		4	Azimuth (direction)
		5	Angle of inclination
		6	Shading
		7	Outline the physical limitations of solar thermal collectors with respect to:
		8	Corrosion
		9	Load-bearing properties
		10	Describe at least two types of mounting system used to locate and mount solar thermal systems on at least two different types of roof covering for both sloping and flat roofs systems, including:
		11	Brackets, rails and fixings
		12	Specialist tools
		13	Describe the electrical cabling and connections fitted to solar thermal collectors
		14	Explain the ways in which individual collectors may be connected to form a solar array
		15	Describe the testing that should be carried out on a solar thermal array before, during and after installation and handover to the customer
33	Understand the hazards, risks and mitigating factors associated with solar thermal collectors	1	List the hazards posed by solar thermal collectors due to their:
		2	Size
		3	Weight
		4	Fragility
		5	Windage
		6	Thermal properties and outputs
		7	Describe the health, safety and welfare risks associated with each hazard
		8	Describe how each of the risks can be reduced (mitigated)
34	Understand the factors that affect the installation of solar thermal collectors	1	Describe three types of pitched and flat roof construction and covering
		2	Explain the implications of installing solar collectors on each of these types of roof
		3	List the building and planning regulations that may impact on the installation of a solar thermal array for:



	4	A listed property
	5	Property in conservation areas
	6	Permitted development rights for solar thermal
	7	Outline the contents of company-prepared plans to be followed relating to:
	8	Roof/collector
	9	Flat roof loading calculations/approval
	10	Windage calculations
	11	Describe the requirements of the current certification scheme for solar thermal installations (e.g. Microgeneration Certification Scheme (MCS))
	12	Explain the impact of the certification scheme on own and organisation's work in terms of:
	13	Quality of work
	14	Materials used
	15	Information recorded
	16	Describe the purpose of incentive schemes as they apply to solar thermal installations (e.g. Renewable Heat Incentive (RHI))

Soft Skills			
No.	Objective	No.	Criteria
Intentionally Blank			

Other			
No.	Objective	No.	Criteria
Intentionally Blank			

Additional Guidance			
Intentionally Blank			



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