

The Assessor shall determine the business's commitment and support to good and safe working practices; also that it has a positive culture in all aspects of its work. In particular, the assessor shall check that the business's health, safety and environmental arrangements are followed while the work is carried. The details that the assessor will expect to find in use, are given in the BESCA standard BS.5 and BS.6. The level of assessment will be appropriate for, the size and the complexity of the business.

Low and Zero Carbon systems technical standards			
BESCA standard	Scheme Requirement	Typical evidence required	
		Work done in domestic premises	Work done in non-domestic premises
TS.10.1	<p>Low and zero carbon systems</p> <p>Technical standards that apply to this work:</p> <p><i>The Building Regulations Approved Documents Compliance guides</i></p> <p><i>Water Fittings Regulations BS 7671- Requirements for electrical installations</i></p> <p><i>British Standards</i></p> <p><i>MCS Guidance</i></p> <p><i>BESA standards</i></p> <p><i>Manufacturer's instructions</i></p>	<ul style="list-style-type: none"> • Only Competent individuals, who have the necessary skills, knowledge and experience, as set out in BESCA standard BS.9, shall undertake the work so that it meets the standards set by BESCA. The business's training and/or subcontract records should identify these people, as set out in BESCA standards BS.9 and/or BS.10. • A business carrying out MCS accredited installations shall operate a Quality Management System that is tailored to its size and complexity, and the scope of the work it undertakes. This shall include processes, procedures and arrangements for maintaining and improving that the quality of the business's work; including the quality of construction output and general performance; and for reducing and/or preventing incidents of sub-standard workmanship. • The installation of Low and Zero Carbon technologies shall be installed in accordance with current copies of the following : <ul style="list-style-type: none"> ○ BESA Guidance ; <ol style="list-style-type: none"> 1. TR30 Heat pumps 2. TR37 Installation of combined heat and power 3. TR38 Installation of biofuel heating ○ MCS Guidance: ○ MCS 001 - Installer Certification Scheme requirements and Installer Guide, and as appropriate; <ol style="list-style-type: none"> 1. MIS 3001 - Solar heating 2. MIS 3002 - Solar PV 3. MIS 3003 - Micro wind 4. MIS 3004 - Biomass 5. MIS 3005 - Heat Pump systems 6. MIS 3006 - Micro Hydro 7. MIS 3007 - Heat led Micro CHP 8. MIS 3007/2 - Electricity led Micro CHP • Unless required otherwise by the above documents: <ul style="list-style-type: none"> ○ Pipework services shall be installed in accordance with BESCA standard TS.5. ○ Ductwork systems shall be installed in accordance with BESCA standard TS.7. ○ Heating and hot water appliances, plant and equipment shall be installed in accordance with BESCA standard TS.6. ○ Ventilation, A/C, refrigeration and heat recovery plant and equipment shall be installed in accordance with BESCA standard TS.8. ○ If carried out as part of the installation, the electrical isolation, wiring, controls, etc, shall be installed and tested as set out in BESCA standard TS.13. ○ Plant items and completed systems shall be set-to-work, commissioned and handed-over in accordance with BESCA standard TS.3. • On completion of the installation, notes shall be made or a drawing of the services shall be marked to show any deviations from the routes or layout originally specified or envisaged. This information shall be is passed back to the office to use when the final record drawings are produced. 	