

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.

		Domestic ventilation systems technical standards
BESCA standard	Scheme Requirement	Typical evidence required
		Work done in domestic premises
TS.9.1	<p>Domestic ventilation systems</p> <p>Technical standards that apply to this work: <i>The Building Regulations Approved Document F Compliance guides</i> <i>BS 7671- Requirements for electrical installations</i> <i>CIBSE Guides & Codes</i> <i>BESA standards</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 shall identify these people, as set out in BESCA standards BS.9 and/or BS.10. • The work shall be done in accordance with BESA Guide to good practice – TR/35 – Low energy ventilation for residential buildings and with the requirements set out in Part F of the Building Regulations; including the applicable Approved Documents and General Guidance. • Fans, heat recovery devices, cooker extracts, etc shall be properly supported and installed in accordance with the manufacturer's instructions; and where appropriate, as set out in BESCA standard TS.8. • Ductwork shall be installed as set out in BESCA standard TS.7.1 or TS.7.2, as appropriate and shall be restricted to a single dwelling. Control, fire and smoke dampers shall be installed as required, so as to prevent the spread of fire and smoke, as set out in BESCA Standard TS.4.1. • The installation of recessed air terminals in ceilings and the maintenance of breaches to fire barriers must be carried out in compliance with Approved Document B (Fire Safety), as set out in BESCA standard TS.4.1. • Where required, air leakage testing shall be carried out when the system is complete, or where sections of the system may be inaccessible later, as set out in BESCA standard TS.7.3. Leakage testing shall be done before the thermal insulation is applied to the ductwork. • Ductwork carrying heated or conditioned air shall be insulated to prevent heat loss or gain, as set out in BESCA standard TS.7.4, so as to conserve energy. All ducts shall be identified using a triangular symbol that shows the direction of airflow and the type of service. • Electrically powered units, such as fans and heat recovery units, and locally mounted thermostats and/or programmers, shall be wired and fitted with fuses as required by BS 7671- 'Requirements for electrical installations'. If carried out as part of the installation, the electrical isolation, wiring, controls, etc, shall be installed as set out in BESCA standard TS.13.1 and tested as set out in TS.13.4. • Locally mounted thermostats and/or programmers shall be correctly sited and set at the required speed and/or temperature. • The finished installation shall be set to work in accordance with BESCA standard TS.3.1. • Commissioning and performance verification shall be carried out in accordance with BESCA standard TS.3.2 • Documents that the customer needs to prove that the overall installation complies with the Building Regulations shall be completed after the systems have been set to work and following the final commissioning. These includes details of all air flow test results and energy use, which shall be documented and the Building Regulations compliance notification; with a copies provide to the user, and to Building Control. • The owner shall be given sufficient information about the ventilation system and its maintenance requirements so that the ventilation system can be operated to provide adequate air flow. • On completion, notes shall be made or a drawing of the installation marked to show any deviations from the original specification or envisaged layout. This information shall be is passed back to the office to use when the final record drawings are produced.