

# Energy Company Obligation (ECO)

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## ECO3 Time and Temperature Zone Control Deemed Scores

### Background

In March 2021, we approved an alternative methodology application for a new Time and Temperature Zone Control (TTZC) measure type. The new TTZC measure type can be selected in v1.7 of the main Deemed Scores Matrix and is included in v3.8 of the Measures Table. This note sets out the requirements for claiming the deemed scores.

### Definition

TTZC is defined, in the Standard Assessment Procedure (SAP)<sup>1</sup>, as a system that allows both the heating times and the temperatures of at least two zones to be programmed independently.

In the case of wet systems, TTZC can be achieved by:

- Separate plumbing circuits, either with their own programmer, or separate channels in the same programmer.
- Programmable, communicating or smart TRVs that are able to provide time and temperature zone control. As opposed to standard TRVs which only provide temperature control.

### Requirements for claiming the TTZC deemed scores.

In line with SAP conventions, the TTZC score can only be claimed for smart, programmable, or communicating TRVs if the product is listed in the SAP Product Characteristics Database (PCDB)<sup>2</sup>. The measure is referenced in the Publicly Available Specification (PAS) 2030 and the installation must be carried out by a PAS certified installer.

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<sup>1</sup> [Standard Assessment Procedure \(SAP 2012\) | BRE Group](#)

<sup>2</sup> <https://www.ncm-pcdb.org.uk/sap/searchpod.jsp?id=17>

To claim the score for smart, programmable, or communicating TRVs, the devices should be installed on all the radiators outside the room with the thermostat. This is in line with the requirements for standard heating control measures.

The TTZC scores assume the property has a full set of functioning heating controls (programmer, thermostat and TRVs) as a baseline.

If the property does not have a full set of heating controls, the TTZC measure should be installed alongside a programmer and room thermostat. Both the TTZC score and the heating control score can then be claimed.

The following table summarises which scores may be claimed based on the heating controls present pre-installation and post-installation:

<b>Pre-installation heating controls</b>	<b>Post-installation heating controls</b>	<b>Measure claimed</b>
Incomplete/none	Full standard heating controls (TRV, thermostat and programmer)	Heating controls score
Full standard heating controls	TTZC, thermostat and programmer	TTZC score
Incomplete/none	TTZC, thermostat and programmer	TTZC score and heating controls score
Full standard heating controls	TTZC and smart thermostat	Smart thermostat pre P&RT score and TTZC score
Smart thermostat and TRVs	TTZC and smart thermostat	TTZC Score
Incomplete/none	TTZC and smart thermostat	Smart thermostat no pre P&RT score and TTZC score