

## Energy Company Obligation (ECO3) Data Dictionary V1.8

This document provides a data dictionary and general information for suppliers to complete the Monthly Notification Template for ECO3 measures installed from 13 April 2021.

This data dictionary sets out each of the fields to be completed on the Monthly Notification Template, the questions suppliers should be answering when completing the field, as well as an explanation of the information suppliers should provide. It then sets out the data field type required, the accepted format and validations involved for each field.

The data dictionary also distinguishes between types of data that are provided in the Monthly Notification Template.

**Core Data:** must be provided in order for a notification to be made. If core data is omitted or provided in a format other than the accepted format, the attempt to notify the measure will fail.

**Required Data:** must be provided before we can process the notification. If this information is omitted or not provided in the correct format, the notification will be made, but we will be unable to process the notification.

**Optional Data:** we request suppliers provide this in order to assist our validation and audit processes, and to assist suppliers should they later wish to transfer a measure to another supplier.

Suppliers should be aware that Ofgem's system cannot accept data unless notified in accordance with the accepted format as specified below. The accepted format is case sensitive and includes headings. As noted above, where core data is provided in a format other than the accepted format, the attempt to notify the measure will fail.

Ofgem will perform additional validations to check dependencies of mandatory fields and measure eligibility.

### Submitting the Notification Template:

- Format "A" - Alphabetic.
- Format "N" - Numeric.

- File name should be AAA\_AAANN\_VN.N where the three letter prefix is the supplier's three letter acronym, AAANN is the notification month and year and VN.N refers to the approved template version. The notification month and year should be consistent with the following example: December 2018 submitted as DEC18.
- File should be submitted in .csv format.
- File should include the heading for each field.

## **Completing the Notification Template**

- When a field is not applicable, or not required for your notification (as indicated by the 'required when' statement in the 'Mandatory' column), it should be populated with 'N/A'. This will be an accepted format entry except when completing the address data. The address fields must not be completed with 'N/A' as this will not be accepted by the Ofgem system.

## **Associated Documents**

For further information on any of the fields listed below or information on our administration of ECO, refer to the ECO3 Guidance, available on our website.

For information on formatting addresses, refer to [Address Formatting Guidance note, available on our website.](#)

For information on energy efficiency measures which suppliers can use to meet their ECO obligations, including how to differentiate between 'measure categories' and 'measures', refer to the ECO3 Measures Table, available on our website.

**Table 1: Data Dictionary**

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Overall_Obligation_Period	Which overall obligation period has the measure been delivered under?	This is based on the date of completed installation (DOCI).	Alphabetic	ECO3	If DOCI is between 01/10/2018 and 31/03/2022 (inclusive), the entry should be 'ECO3'.	Required	Overview
ECO_Supplier_Reference	What is the ECO supplier reference number of the supplier that owns the measure?	<p>This refers to the unique ECO supplier reference number allocated to every supplier by Ofgem. This takes the form AAANNNNNNNA. The first three characters are an assigned acronym identifier for the company name. The eight alphanumeric characters are the licence-holder's company registration number and the final letter denotes the licence type, E = Electricity, G = Gas.</p> <p>This entry identifies the supplier whose obligations the measure will be credited towards. The ECO supplier</p>	Alphanumeric	AAANNNNNNNA	<p>The reference number must be a valid supplier reference.</p> <p>Only entries in the accepted format are valid.</p>	CORE	Overview

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		reference number that is provided must be for the supplier that owns the measure. In relation to transferred measures, this will be the supplier that is the 'buyer'.					
Obligation_Category	Which of the obligations is the measure to be credited towards?	This refers to the ECO obligation the measure is to be credited against (i.e. HHCRO).	Alphabetic	HHCRO	Only entries corresponding to the list are valid.	CORE	Overview
Measure_Type	Which measure was installed at the premises?	<p>This describes the measure type installed at the premises (each measure installed is to be reported in a separate row).</p> <p>When completing this field, refer to the ECO3 Measures Table published on our website. This sets out the 'Measure Name: format for notification to Ofgem'.</p> <p>Measures need to be notified in the exact naming convention specified in the ECO3 Measures Table under 'Measure Name:</p>	Alphanumeric	<p>As per the advised list of measures in the ECO3 Measures Table, or</p> <p>'DA_[name of demonstration action]', or</p> <p>'DA_[name of demonstration action]_Control'</p>	<p>Only entries corresponding to those in the ECO3 Measures Table are valid where DOCI is between 01/10/2018 and 31/03/2022, except Demonstration Actions.</p>	CORE	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>format for notification to Ofgem'.</p> <p>Approved Demonstration Action measures with the measure installed should be notified with 'DA_[name of demonstration action]' as the Measure Type. This will be agreed upon approval of a Demonstration Action. If the Demonstration Action includes control properties which have not had a product installed, these properties should be notified as 'DA_[name of demonstration action]_Control'.</p>					
Measure_Reference_Number	What is the unique measure reference number that the supplier has generated for this particular measure?	<p>This is the unique reference number generated by the supplier and ascribed to the measure being notified. This allows the measure to be identified by both suppliers and Ofgem.</p> <p>The first three characters are an assigned acronym identifier</p>	Alphanumeric	AAANNNNNNN	Only entries in the accepted format are valid.	CORE	All

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>for the company name. The following seven numbers should be generated by the supplier.</p> <p>This reference number must be unique across ECO1, ECO2, ECO2t and ECO3.</p>					
Purpose_of_Notification	What is the purpose of this submission?	<p>This indicates the reason for notifying the measure.</p> <p>'New Notification' should be entered when notifying a measure for the first time, provided it is not subject to an extension request.</p> <p>'Edited Notification' should be entered when an existing notification is being amended and the measure is re-notified.</p> <p>'Extended Notification' should be entered when the measure has an extension request associated with it.</p>	Alphabetic	New Notification, Edited Notification, Extended Notification, Automatic Late Extension	Only entries corresponding to the list are valid.	Required	Overview

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		'Automatic Late Extension' should be entered when the measure is being notified after its Notification Period and falls within a supplier's 5% automatic late extension quota.					
Eligibility	What is the ECO eligibility route?	<p>Indicates how the customer or premises has been targeted and deemed eligible for ECO.</p> <p>Social Housing with an EPC of D is only available for Demonstration Actions and Innovation Measures.</p> <p>For further information on the various routes to eligibility, please refer to the ECO3 Guidance.</p>	Alphabetic	<p>Help to Heat Group,</p> <p>Social Housing EFG,</p> <p>Social Housing D, LA declaration, AW In-fill</p>	Only entries corresponding to the list are valid.	CORE	Property / Person
HTH_Verification_Method	How has Help to Heat Group membership been determined?	<p>For further information on how to identify whether a person is eligible for the scheme, please refer to the ECO3 Guidance.</p> <p>'WHD Core Group' may be entered where the supplier can produce a WHD Core Group</p>	Alphabetic	<p>WHD Core Group DWP Match</p> <p>ECO Eligible Referral</p> <p>HTHG Benefit Letter</p>	Only entries corresponding to the list are valid.	Required when: 'Eligibility' = Help to Heat Group	Property / Person

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>notice at audit for the help to heat group member.</p> <p>A data link exists with the Department of Work and Pensions (DWP) so that help to heat group eligibility can be verified through a data matching exercise. Suppliers should enter 'DWP Match' for measures where help to heat group eligibility has been verified using this method.</p> <p>Only suppliers that have signed up to the ECO Eligible Referrals (EER) route with DWP should select 'ECO Eligible Referral'.</p> <p>'Self Declaration' may be entered where a supplier can produce a Child Benefit Self-Declaration at audit.</p> <p>'MOD Documentation' may be entered where a supplier will produce a copy of the relevant</p>		<p>Self Declaration</p> <p>MOD Documentation</p> <p>Other</p> <p>N/A</p>			



Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		documents specified in the ECO3 Guidance at audit.  'Other' should only be entered in exceptional circumstances when agreed with Ofgem.					
DWP_Reference_Number	<p>If the measure is using the 'DWP Match' verification method, what is the reference number provided by the data matching provider confirming DWP have verified the customer is a HTHG member?</p> <p>If the measure is using the 'ECO Eligible Referral' verification method, what is the unique reference number provided by DWP?</p>	<p>Where a customer was verified as a member of the HTHG using the DWP data matching service, enter the reference number provided by the data matching provider.</p> <p>Where a customer was verified as a member of the HTHG using the EER route, enter the unique reference number used in the verification process. This should start with 'EER' and a prefix to indicate the supplier.</p>	Alphanumeric	<p>NNNNNNNNNN</p> <p>AAA_ANNNNNN</p> <p>AAA_AANNNNNN</p> <p>N/A</p>	<p>Only entries in the accepted format are valid.</p> <p>EER URNs must be a maximum of 50 characters. Only numeric characters can follow the prefix "EER_A" or "EER_AA"</p>	<p>Required when: 'HTH_Eligibility_Verification_Method' = DWP Match or 'ECO Eligible Referral'</p>	Property / Person

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Associated_Insulation_MRN_for_Heating_Measures	For heating measures, what is the associated insulation measure reference number?	<p>Heating upgrade measures can only be installed into a property alongside certain insulation measures.</p> <p>Where the measure is a heating upgrade, the related primary insulation MRN should be provided here.</p> <p>The only exception is an ESH upgrade installed to a property where the pre main heat source was not a central heating system, district heating system or ESH. These do not require a primary insulation measure.</p> <p>Where heating measures are being notified with a 'broken' type, the MRN of the related primary insulation measure can be notified here to exempt the heating measure from the broken heating cap.</p>	Alphanumeric	AAANNNNNNN N/A	Only entries in the accepted format are valid.	Required	Overview

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Associated_AW_In-fill_Measure_1	If the measure is part of a group of measures which involve infilling, what are the associated MRNs?	There is an 'infill' mechanism in ECO3 where SWI or DHS measures can be installed to properties that do not meet the typical eligibility routes, provided that there are eligible properties in the same area. See the ECO3 Guidance for more information on what constitutes as the 'same area'. <sup>1</sup>  Provide the first associated supporting MRN for the AW In-fill measure.	Alphanumeric	AAANNNNNNN  N/A	Only entries in the accepted format are valid.	Required when: 'Eligibility' = AW Infill	Overview
Associated_AW_In-fill_Measure_2	If the measure is part of a group of measures which involve infilling, what are the associated MRNs?	There is an 'infill' mechanism in ECO3 where SWI or DHS measures can be installed to properties that do not meet the typical eligibility routes, provided that there are eligible properties in the same area. See the ECO3 Guidance for more information on what constitutes as the 'same area'.	Alphanumeric	AAANNNNNNN  N/A	Only entries in the accepted format are valid.	Required when: 'Eligibility' = AW Infill	Overview

<sup>1</sup> Definition of solid wall insulation can be found in article 2 of the ECO3 Order - <http://www.legislation.gov.uk/uksi/2018/1183/article/2/made>

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		Provide the second associated supporting MRN for the AW In-fill measure.					
SWMR_RN	What is the solid wall minimum requirement reference number?	<p>Measures delivered to solid-walled homes can be counted towards an obligated supplier's SWMR. If a collection of measures has been used to meet this, the reference number unique to the solid-walled home in question must be entered. All standard SWI measures should also enter this unique reference number where they are intended to count towards SWMR.</p> <p>The name should reference the supplier code, pre-installation position of the SWI measure which could have been installed at the property (2.00, 1.70, 1.00), percentage of the exterior facing walls which are of solid construction (whether they're insulated or not), followed by a reference</p>	Alphanumeric	AAA/N.NN/NNN/N NNNNN N/A	Only entries in the accepted format are valid.	Required when: Measure is intended to count towards SWMR, either as eligible SWI or as an SW alternative measure (see guidance for eligibility criteria).	Overview

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		number unique to the property.					
Date_of_Completed_Installation	On what date was the installation of the measure completed?	<p>The date of completed installation (DOCI) indicates the date on which the installation of the measure was 'complete'. Please refer to the ECO3 Guidance for information on how this date is determined.</p> <p>For demonstration actions, the completion date is the date on which the planned monitoring of the entire demonstration action is completed. Please see the ECO3 Guidance: innovation for more information.</p>	Date Field	dd/mm/yyyy	<p>Only DOCI between 01/10/2018 and 31/03/2022 (inclusive) are valid.</p> <p>Only entries in the accepted format are valid.</p>	CORE	Overview
Building_Number	Where relevant, what is the number of the building in which the measure was installed?	Provide the number of the building (if applicable).	Alphanumeric	Max character length of 50 characters	Only entries in the accepted format are valid.	CORE when: 'Building_Name' is unavailable	Property / Person
Building_Name	Where relevant, what is the name of the building in	Provide the name of the building (if applicable).	Alphanumeric	Max character length of 100 characters	Only entries in the accepted format are valid.	CORE when: 'Building_Number' is unavailable	Property / Person

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
	which the measure was installed?						
Flat_Name/Number	Where relevant, what is the name or number of the flat in which the measure was installed?	Provide the name or number of the flat (if applicable). The word 'Flat' should be entered where appropriate (e.g. 'Flat 1').	Alphanumeric	Max character length of 50 characters	If a flat name or number is available, it must be provided.  Only entries in the accepted format are valid.	Optional	Property / Person
Street_Name	What is the name of the street on which the premises is located?	Provide the name of the street on which the premises is located.	Alphanumeric	Max character length of 50 characters	Only entries in the accepted format are valid.	Optional	Property / Person
Town	What is the name of the town or city in which the premises is located?	Provide the town in which the premises is located.	Alphanumeric	Max character length of 50 characters	Only entries in the accepted format are valid.	CORE	Property / Person
Post_Code	What is the postcode for the premises?	Provide the full Royal Mail postcode corresponding to the address provided.	Alphanumeric with/without 'Space'	AN NAA ANN NAA AAN NAA AANN NAA	Postcodes with and without spaces will be accepted  Only entries in the accepted format are valid.	CORE	Property / Person

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
				ANA NAA AANA NAA			
Unique_Property_Reference_Number_(UPRN)	What is the UPRN for the premises?	<p>Provide the unique property reference number that is the unique twelve digit number assigned to every unit of land and property by the National Land and Property Gazetteer and recorded by local Government.</p> <p>Suppliers are encouraged to submit this data where it is available as standard.</p> <p>'N/A' may be entered where the UPRN is unknown.</p>	Alphanumeric	NNNNNNNNNNNN N/A	<p>Numeric entries must be 12 digits.</p> <p>Only entries in the accepted format are valid.</p>	Optional	Property / Person
Rural_Sub_Obligation	Is the measure intended to be credited towards the rural sub-obligation?	<p>Suppliers must achieve at least 15% of its obligation by promoting eligible measures to premises in rural areas.</p> <p>If a measure is installed in a rural area, then 'Yes' should be entered in this field.</p>	Alphabetic	Yes No	Only entries corresponding to the list are valid.	Required	Overview

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Output_Area	What is the OA code in which the premises is located?	Provide the code for the Output Area (OA) in which the premises is located.  For more information on OAs please see the ECO3 Guidance.	Alphanumeric	ANNNNNNNNN  N/A	Only entries in the accepted format are valid.	Required when: 'Rural_Sub_Obligation' = Yes	Property / Person
Private_Domestic_Premises	Was the measure installed at a private domestic premises?	Indicates whether the premises is generally not owned and/or let by a social landlord.  For further information on the definition of private domestic premises, please refer to the ECO3 Guidance.	Alphabetic	Yes  No  N/A	Only entries corresponding to the list are valid.	Required when: 'Eligibility' = Help to Heat Group or LA declaration	Property / Person



Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Tenure	What is the tenure of the premises?	Provide a description of the tenure of the premises, for example 'Owner Occupied', 'Owner Occupied FG', 'Private Rented Sector ABCDE', 'Private Rented Sector FG', 'Social Housing (RSL)', 'Other'.  'PRS FG' may be entered where there is no EPC in this tenure type.	Alphabetic	Owner Occupied  PRS ABCDE  PRS FG  Social Housing (RSL) EFG  Social Housing (RSL) D  Other	Only entries corresponding to the list are valid.	Required	Property / Person
EST_Land_Registry_Number	What is the EST online owner verification unique reference number (URN)?	Energy Saving Trust are able to validate which properties are private via their online portal. Suppliers are then given the URN which needs to be sent along with measure details.  This URN must be a 10 digit number.	Numeric	NNNNNNNNNN	Only entries in the accepted format are valid.	Optional	Measure
Property_Type	What type of property is the premises?	Provide the type of premises the measure was installed to.  When completing this field, refer to the Appendix 1 of this	Alphabetic	As per the advised list of Property Types in Appendix 1 of this document	Only entries corresponding to the list are valid.	Required	Property / Person

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		document. This sets out the 'Property Type Name: format for notification to Ofgem'. Property Type needs to be notified in the exact naming convention specified.					
Scoring_Method	What scoring method has been used?	Indicates the methodology used to calculate the savings for the measure. All measures except for DHS and Demonstration Actions will be scored using deemed scores (DS) methodology. For DHS measures, SAP, RdSAP or a new, appropriate or alternative methodology (NM) must be used.  For measures which are part of a Demonstration Action, 'DA' should be selected.	Alphabetic	SAP  RdSAP  DS  NM  DA	Only entries corresponding to the list are valid.	Required	Measure
Name_&_Version_of_Scoring_Tool_Used	What is the name and version of the scoring tool used?	Provide the exact name and version number of the approved scoring tool, as listed by the UKAS-accredited body that approved the tool, used to calculate the savings for the measure.	Alphanumeric	Max character length of 150 characters	Only entries in the accepted format are valid.	Required when: 'Scoring_Method' = NM, SAP or RdSAP	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>If a new, appropriate or alternative methodology has been used, the name of the scoring tool should be entered in this field.</p> <p>Where the scoring method is DS or DA, N/A should be entered.</p>					
New_Methodology_ID	Where a new, appropriate or alternative methodology (NM) has been used, what is the reference number for that NM?	<p>If an NM has been used to calculate the savings of the measure, the reference number Ofgem allocated to this new, appropriate or alternative methodology must be provided. (Ofgem will provide a unique NM ID when a request is submitted to use a new, appropriate or alternative methodology).</p> <p>Measures scored using a NM that has not yet been approved will be placed on hold and review of the measures will be subject to the approval of that methodology.</p>	Alphanumeric	AANNNN  N/A	Only entries in the accepted format are valid.	Required when: 'Scoring_Method' = NM	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Annual_Cost_Saving_(£)	What is the annual cost saving?	<p>Indicates the annual cost saving (in GBP£) achieved by the measure. This saving should be calculated in accordance with SAP or RdSAP or using an approved new methodology.</p> <p>Suppliers should not include the units ('£') when completing this field.</p> <p>Where the scoring method is DS or DA, N/A should be entered.</p>	Alphanumeric	<p>NNNNN.NN</p> <p>N/A</p>	Only entries in the accepted format are valid.	Required when: Scoring_Method = NM, SAP or RdSAP	Measure
Lifetime_(yrs)	What is the lifetime of the measure?	<p>Indicates the expected lifetime of the measure.</p> <p>The ECO3 Measures Table provides a list of lifetimes and is available on our website.</p> <p>Where the scoring method is DS or DA, N/A should be entered.</p>	Alphanumeric	<p>NN</p> <p>N/A</p>	Only entries in the accepted format and as per the ECO3 Measures Table are valid.	Required when: Scoring_Method = NM, SAP or RdSAP	Measure
Cost_Score_(£)	What is the cost score for the measure?	Where the scoring method is DS, refer to the deemed score matrix to identify the	Numeric	NNNNNN	Only entries in the accepted format are valid.	CORE	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>appropriate cost score for a measure.</p> <p>For measures scored using SAP, RdSAP or a NM, the cost score should be calculated as follows:</p> <p><i>Annual cost saving x Lifetime x Uplift (where applicable)</i></p> <p>See the ECO3 Guidance for further information.</p> <p>For measures which are part of a Demonstration Action, the Cost Score should be notified as outlined in Section 4 of the ECO3 Guidance: Innovation.</p> <p>Suppliers should not include the units ('£') when completing this field.</p>					
Boiler_or_ESH_Warranty	Where the measure is the repair or replacement of a boiler or an	Indicates the length (in years) of the warranty.	Alphanumeric	N NN N/A	Only entries in the accepted format are valid.	Required when: the measure type is associated with the Measure	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
	electric storage heater (ESH), was the measure accompanied by a warranty?	<p>All boiler or ESH installations must be accompanied by a warranty of at least two years.</p> <p>All boiler and ESH repairs must also be accompanied by a warranty of at least two years. If a repair measure with a two year lifetime is being claimed, the warranty must be of at least two years.</p> <p>(TrustMark has a requirement that all ECO measures, except demonstration actions and certain DHS measures, delivered by a TrustMark registered business must be accompanied by a guarantee of at least two years.).</p>				Category Boiler or ESH <sup>2</sup>	
Adequate_Roof_or_Wall_Insulation	Where the measure is a First Time Central Heating (FTCH) installation (including DHS installed as FTCH),	<p>FTCH is only eligible if the premises being connected has adequate roof and wall insulation.</p> <p>'Yes' should be entered where FTCH is installed in a premises,</p>	Alphabetic	<p>Yes</p> <p>No</p> <p>N/A</p>	Only entries corresponding to the list are valid.	Required when: Measure_Type is B_First_time_CH_[walltype] or DHS_new_connection.	Measure

<sup>2</sup> There are a large number of measure types to list, please see the [ECO3 deemed score](#) matrix for further information

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
	does the premises have adequate roof and cavity wall insulation?	<p>including as a part of a DHS, and both roof and cavity wall pre-conditions are met i.e. all areas of roof or cavity wall present in the premises are insulated.</p> <p>Enter 'No' if the premises has areas of roof or cavity wall which cannot be insulated.</p> <p>'N/A' should be entered if the premises has no areas of roof or cavity wall.</p> <p>'N/A' should also be entered for DHS measures that aren't FTCH.</p> <p>For further information please refer to the ECO3 Guidance.</p>					
DHS_Consumer_Protection	Has the DHS measure been registered with an appropriate consumer protection organisation?	Where a DHS measure is installed, it must have appropriate consumer protection in place. This can mean registration with the heat networks consumer protection body Heat Trust or	Alphabetic	Heat Trust  Equivalent  N/A	Only entries corresponding to the list are valid.	Required when: Measure Type = DHS_new_connection  OR	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>an equivalent organisation or standard.</p> <p>In such cases, suppliers should notify either Heat Trust or Equivalent.</p> <p>Registration with Heat Trust or an equivalent is not required when the DHS is a shared ground loop, with individual heat pumps in each property.</p> <p>In such cases suppliers should notify N/A.</p>				DHS_CHP_upgrade	



Pre_Main_Heating_Source_for_the_Property	What was the fuel type of the main space heating system(s) for the premises before the measure was installed?	<p>Indicates the main space heating source of the premises prior to installation of the measure or, for heating measures, the heating source being replaced or repaired.</p> <p>Where the scoring method is DS, refer to Appendix 2 of this document for details on completing this field</p> <p>Some properties may be heated by a heating source not listed in Appendix 2. In such cases an appropriate heating source proxy should be used. This heating source must be accompanied by an asterix (*) to denote that a proxy has been used. Refer to Appendix 3 of this document for a list of these heating sources and the associated proxy.</p> <p>'DHS' can only be used where the measure is not scored using deemed scores. 'Other' can only be used where the measure is not scored using</p>	Alphabetic	<p>For measures where the scoring method is DS, as per the list of pre main heating sources in Appendix 2 and Appendix 3 of this document.</p> <p>For measures not scored with deemed scores 'DHS' and 'Other' are also acceptable.</p>	Only entries corresponding to the list are valid.	Required	Property / Person
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Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>deemed scores and the heating source is not listed here.</p> <p>For further guidance on determining the pre-main heating source please refer to the ECO3 Guidance.</p>					
Post_Main_Heating_Source_for_the_Property	What is the fuel type of the main space heating system(s) for the premises after the measure was installed?	<p>For broken boiler repair and replacement and FTCH measures using scoring method DS, this field denotes the heating source which has been installed at the property.</p> <p>When DHS measures are notified with a Tenure of 'PRS FG', we will use this field to verify the eligibility of the measure.</p> <p>For all other measures N/A must be entered.</p>	Alphabetic	<p>Gas boiler</p> <p>Oil boiler</p> <p>LPG boiler</p> <p>ASHP</p> <p>GSHP</p> <p>Biomass boiler</p> <p>Electric boiler</p> <p>Fuel cell mCHP</p> <p>DHS</p> <p>DHS – Renewable</p>	Only entries corresponding to the list are valid.	<p>Required when: the measure type is associated with the Measure category Boiler or FTCH</p> <p>OR</p> <p>the measure type is associated with the Measure category DHS and Tenure = PRS FG<sup>3</sup></p>	Property/Person

<sup>3</sup> There are a large number of measure types to list, please see the [ECO3 deemed score](#) matrix for further information

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
				N/A			
Pre_Installation_EP C_RRN	Was a pre- installation EPC completed and lodged with the appropriate body?	<p>Provide the report reference number for the latest EPC (if generated and lodged in the appropriate EPC Register) generated prior to the installation of the specified measure.</p> <p>We will use this to check whether a social housing premises is eligible for 'Social Housing EFG' and 'Social Housing D', the LA F&amp;G Deemed Scores uplifts as well as the LA F&amp;G uplifts for non Deemed Score DHS measures. Measures notified with these tenure types or uplifts must have either a pre or a post EPC RRN.</p> <p>We will also use this to verify measures with a Tenure of 'PRS ABCDE'</p> <p>Where a FTCH measure is installed, including as part of a</p>	Alphanumeric	<p>NNNN-NNNN- NNNN-NNNN- NNNN</p> <p>N/A</p> <p>Max character entry of 24 characters</p>	Only entries in the accepted format are valid.	<p>Required when: A Pre_Installation_E PC_RRN is required if 'Tenure'='PRS_ABC DE.</p> <p>Either a Pre_ OR a Post_Installation EPC_RRN is required if: 'Eligibility' = Social Housing EFG or Social Housing D; or 'Name_of_Uplift_F or_DS' = LA_F&amp;G_nonPRS_i nsulation or LA_F&amp;G_nonPRS; or 'Uplift_for_Non_D S' = 1.25.</p>	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>DHS connection measure, an EPC can be provided to demonstrate that the pre-conditions have been met.</p> <p>Please provide the RRN if you are using EPC to demonstrate FTCH pre-conditions.</p> <p>N/A should be entered when the EPC has not been lodged, has been withdrawn, no EPC exists, or where a pre-installation EPC is not required - e.g. where the measure does not include the tenure types and uplifts listed above or, where permissible, a post / pre installation EPC is provided instead.</p>					
Post_Installation_EP C_RRN	Was a post-installation EPC completed and lodged with the appropriate body?	Provide the report reference number for an EPC (if generated and lodged in the appropriate EPC Register) generated after the installation of the specified measure.	Alphanumeric	NNNN-NNNN- NNNN-NNNN- NNNN  N/A	Only entries in the accepted format are valid.	Required when:  Either a Pre_ OR a Post_Installation EPC_RRN is required if:	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>We may use this to check that a social housing premises is eligible for 'Social Housing EFG', 'Social Housing D', the LA F&amp;G Deemed Score uplifts as well as the LA F&amp;G uplift for non Deemed Score DHS measures. Measures notified with these tenure types or uplifts must have either a pre or a post EPC RRN.</p> <p>N/A should be entered when the EPC has not been lodged, has been withdrawn, or where a post-installation EPC is not required.</p>		Max character entry of 24 characters		'Eligibility' = Social Housing EFG or Social Housing D; or 'Name_of_Uplift_F or_DS' = LA_F&G_nonPRS_insulation or LA_F&G_nonPRS; or 'Uplift_for_Non_DS' = 1.25.	
Brokerage_Lot_Number	If the measure was purchased through brokerage, what is the lot number of the measure?	Provide the reference (lot number) associated with the purchase through brokerage.	Alphanumeric	Max character length of 50 characters N/A	Only entries corresponding to the list are valid.	Required	Overview
Installed_In_Accordance_with_PAS?	If the measure is referred to in the Publicly Available Specification 2030:2017 (PAS)	All measures that are referred to in PAS 2030 must be installed in accordance with the Specification.	Alphanumeric	PAS2030:2017,  PAS2030:2019 and PAS2035:2019,	Only entries corresponding to the list are valid.	Required when: 'Measure_Type' is referred to in PAS 2030	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
	<p>or PAS 2030: 2019 and PAS 2035: 2019, which version of PAS was the measure installed under?</p>	<p>Where the Post_Main_Heating_Source_for_the_Property is 'Biomass boiler', 'DHS' or 'DHS – Renewable', 'N/A' should be entered.</p> <p>Note that for all Boiler Repair measures, 'N/A' should be entered.</p> <p>The PAS transition covers measures which are completed between 1 January 2020 and 30 June 2021. On and after 1 July 2021 all installers will need to deliver ECO3 measures in accordance with the new standards.</p> <p>We will be validating this field against TrustMark's Data Warehouse</p> <p>For further information on this requirement please refer to the ECO3 Guidance and the ECO3 measures table.</p>		<p>or</p> <p>N/A</p>			

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Percentage_of_Measure_Installed	Has 100% of the measure been installed at the premises?	<p>Indicates whether 100% of all areas of the premises that are suitable for treatment with that measure have been treated.</p> <p>Ofgem require that suppliers must install 100% of a measure at a premises, unless there are reasonable grounds for not doing so. Further information on what constitutes 100% can be found in the ECO3 Guidance: Delivery.</p> <p>This field should be considered in conjunction with 'Percentage_of_Property_Treated'. There will be cases where they will not be the same, for example where a wall insulation measure is installed in a property made up of multiple wall types. Examples can be found in our ECO3 guidance.</p> <p>If the Measure Type is Solar PV, this field should be 'N/A'.</p>	Alphabetic	<p>Yes</p> <p>No</p> <p>N/A</p>	Only entries in the accepted format are valid.	Required	Measure

Percentage_Of_Property_Treated	What percentage of the property was treated with the measure?	<p>Indicates what percentage of the property has been treated by the measure. Where the scoring method is DS, this value determines the percentage of the overall deemed score which is claimed.</p> <p>This field should be considered alongside 'Percentage_of_Measure_Installed'.</p> <p>If 67% or more of the measure has been treated, '67+' can be notified here. Otherwise, the exact percentage of property treated must be notified.</p> <p>The only exception is Solar PV, where the percentage of property treated parameter is interpreted differently. Here, the exact POPT must always be notified for this measure type, as it is possible to notify up to 400%.</p> <p>Rounding should be carried out to the nearest whole number.</p>	Alphanumeric	<p>NNN</p> <p>NNA</p> <p>N/A</p>	Only entries in the accepted format are valid.	Required when: 'Scoring_Method' = DS	Measure
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Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		Suppliers should not include the '%' symbol when completing this field.					
Name_of_Uplift_For_DS	What Tier 1 deemed score uplift has been applied for this measure?	<p>In some circumstances, the scores for certain measures are subject to an uplift. Where the uplift is Tier 1 (cannot be used with an uplift in the same Tier – see ECO3 Guidance: Delivery), the name of the uplift should be entered in this field, and the version of the score which incorporates the uplift should be selected from the deemed scores matrix.</p> <p>All measures which are the replacement of a broken heating system under the cap should be notified with either the Broken_CH_cap_renew or Broken_ESH uplifts.</p> <p>If the heating system being replaced is no longer present in the property, the Broken_CH_cap_renew,</p>	Alphanumeric	<p>LA_F&amp;G_nonPRS_insulation</p> <p>LA_F&amp;G_nonPRS</p> <p>Nonmainsgas_insulation</p> <p>broken_CH_cap_renew</p> <p>broken_CH_secondary</p> <p>Broken_ESH</p> <p>N/A</p>	Only Tier 1 entries in the accepted format are valid.	Required when: 'Scoring_Method' = DS	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>Broken_CH_secondary, and Broken_ESH uplifts cannot be applied.</p> <p>If a boiler is replacing a non-boiler heating system the Broken_CH_cap_renew and Broken_CH_secondary uplifts cannot be applied.</p> <p>All insulation measures which are installed in a property with a non mains gas pre main heat source should be notified with the Nonmainsgas_insulation uplift, if a larger uplift is not available;</p> <p>Measures can also be eligible for an uplift when installed in certain properties under the LA flexible eligibility mechanism. See the ECO3 guidance for further information.</p> <p>If the property is not eligible for any of the Tier 1 uplifts, N/A should be entered</p>					

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Uplift_For_Non_DS	What uplift has been applied for this measure?	<p>An uplift will be included when calculating the cost score of some measures. If the measure has been scored using deemed scores, or no uplift is applied, then 'N/A' should be entered.</p> <p>If a DHS measure has been installed to an EPC band F or G property in a local authority declaration (which is not PRS), an uplift of 1.25 should be entered.</p> <p>You cannot combine uplifts.</p> <p>See the ECO3 Guidance for further information.</p>	Alphanumeric	1.25 N/A	Only entries in the accepted format are valid.	Required when: 'Scoring_Method' = NM, SAP or RdSAP	Measure
Installer_Name	What is the name of the installer company responsible for the installation?	Provide the full name of the installer company that carried out the installation of the measure at the premises. This should not be the name of the managing agent unless they carried out the installation.	Alphanumeric	Max character length of 150 characters	Only entries in the accepted format are valid.	Required	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		In cases where a measure is referred to in PAS 2030 and the installation has been sub-contracted to a non-PAS certified installer, we require the name of the PAS certified installer's company to be notified					
Appropriate_Guarantee	If the measure is CWI, EWI/IWI, UFI, SFI RIRI and PHI, what is the Ofgem code for its appropriate guarantee?	Provide the 8-digit character code for the appropriate guarantee. These codes can be found on the ECO Appropriate Guarantees List on the TrustMark website.  If the guarantee applied for does not appear on the TrustMark list, please contact TrustMark for more information.	Alphanumeric	AAAAAANN  N/A	Only entries in the accepted format are valid.	Required when: the measure type is associated with the following Measure Category: CWI, E / IWI, Other Insulation (UFI, RIRI SFI or PHI) <sup>4</sup>	Measure
LA_Criteria	What is the reason given in the LA declaration for listing the household under a	For a household to be eligible under this route it must be identified by the local authority as either in fuel poverty (fuel poor), low income & vulnerable to the effects of a cold home	Alphanumeric	Fuel poor  Low income & vulnerable  In-fill	Only entries corresponding to the list are valid.	Required when: 'Eligibility' = LA declaration	Property / Person

<sup>4</sup> There are a large number of measure types to list, please see the [ECO3 deemed score](#) matrix for further information

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
	local authority declaration?	<p>(low income and vulnerable) or In-fill.</p> <p>For more information on eligibility under this route please see the Ofgem ECO3 guidance, the Electricity and Gas (Energy Company Obligation) Order 2018 or the BEIS guidance.</p> <p>Where a measure is installed to a premises listed on a local authority declaration but is notified as a help to heat measure, this information should also be notified.</p>		N/A		Optional when: 'Eligibility' = Help to Heat Group	
LA_Declaration_Reference_Number	What is the local authority declaration reference number?	<p>Provide the local authority declaration unique reference number.</p> <p>Where a measure is installed to a premises listed on a local authority declaration but is notified as a Help to Heat measure, the LA declaration reference number should still be provided.</p>	Alphanumeric	ANNNNNNNN-NNNNN	Only entries in the accepted format are valid.	<p>Required when: 'Eligibility' = LA declaration</p> <p>Optional when: 'Eligibility' = Help to Heat Group</p>	Property / Person

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
PAS_Certification_Number	If the measure is referred to in the Publicly Available Specification 2030:2017 or 2030:2019 (PAS), what is the installer's PAS certification number?	Provide installer's PAS certification number. This must be the PAS certification number relevant to the annex of the measure being installed.  PAS certification number is required as evidence that a measure has been installed by a PAS-certified installer. For further information on this requirement please refer to the ECO3 Guidance.	Alphanumeric	Max character length of 15 characters	Only entries in the accepted format are valid.	Required when: 'Measure_Type' is referred to in PAS 2030	Measure
Innovation_Measure	If the measure is an innovation measure, which area of innovation is it notified under?	Measure can be notified as innovative measures if they fall within one of the following categories; Demonstration Actions, Innovation Measures and Monitored Measures  Where a measure is being delivered under more than one of the innovation routes, the relevant route combination should be provided.	Alphabetic	Demonstration Action, Innovation Measure, Monitored Measure, Demonstration Action/Innovation Measure/Monitored Measure, Demonstration Action/Innovation Measure,	Only entries corresponding to the list are valid.	Required	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
				Demonstration Action/Monitored Measure, Innovation Measure/Monitored Measure N/A			
Innovation_Measure_Number	If the measure is an innovation measure, what is the Innovation Measure Number?	Provide the number for notification for the innovation measure. These numbers can be found in the ECO3 Approved Innovation Measures document on the Ofgem website.	Alphanumeric	NNN  N/A	Only entries corresponding to the list are valid.	Required when: 'Innovation_Measure' = Innovation Measure, Demonstration Action/Innovation Measure/Monitored Measure, Demonstration Action / Innovation Measure or Innovation Measure / Monitored Measure	Measure
Innovation_Measure_Uplift	If the measure is an innovation measure, does the measure receive the 25% uplift and	A 25% uplift can be applied to innovation measures. 'N/A' should be entered where the uplift has not been applied and the Innovation measure should	Alphanumeric	1.25  N/A	Only entries corresponding to the list are valid.	Required when: 'Innovation_Measure' = Innovation Measure	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
	count towards the innovation cap?	<p>not be counted towards the supplier's innovation cap.</p> <p>The uplift can only be applied to Innovation Measures which are not delivered in combination with any of the other innovation routes.</p> <p>See the ECO3 Guidance: Innovation for further information.</p>					
Trustmark_Business_Licence_Number	If the measure is registered with TrustMark, what is the TrustMark business licence number?	<p>All ECO measures, except for Demonstration Action and Certain DHS measures, must be delivered by a TrustMark registered business and supplier must notify the number on the ECO register.</p> <p>This field will be validated against TrustMark's Data Warehouse.</p>	Numeric	<p>NNNNNNNNNNNN (Up to 11 digits)</p> <p>N/A</p>	Only entries that match with TrustMark's Data warehouse are valid	Required for all measure except for demonstration action, DHS measure registered with Heat Trust or subject to equivalent.	Measure
Trustmark_Unique_Measure_Reference	If the measure is registered with TrustMark, what is the TrustMark	When a measure is lodged with TrustMark a unique TrustMark measure reference will be generated. Supplier must have	Alphanumeric	<p>Alpha numeric (max 20 characters)</p> <p>N/A</p>	Only entries that match with TrustMark's Data warehouse are valid	Required when: 'Trustmark_Business_Licence_Number' is	Measure



Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
	unique measure reference?	<p>this number before notifying the measure to Ofgem</p> <p>This will not be a requirement for measure that is a demonstration action, or the measure is a district heating system either registered with Heat Trust, subject to arrangements for consumer protection equivalent to the requirements under the Heat Trust scheme, or the measure is subject to arrangements for consumer protection equivalent to the requirements under TrustMark. 'N/A' should be entered in these cases. This field will be validated against TrustMark's Data Warehouse.</p>				NNNNNNNNNNN (Up to 11 digits)	
Trustmark_Lodged_CertificateID	If the measure is registered with TrustMark, what is the TrustMark's lodged certificate ID?	Provide a TrustMark lodged certificate ID which will be issued by TrustMark for the measure. The measure will not be approved as a qualifying	Numeric	NNNNNNNN (min of 4 and max of 8 digits)  N/A	Only entries that match with TrustMark's Data warehouse are valid	Required when: 'Trustmark_Business_Licence_Number' is  NNNNNNNNNNN (Up to 11 digits)	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>action until the certificate ID has been notified.</p> <p>This field will be validated against TrustMark's Data Warehouse.</p>					
MCS_Installation_Certification_Number	<p>If the measure is a Heat pump (ASHP / GSHP), biomass boiler, a microgeneration measure (SolarPV), or any other relevant measure that is not referred to in PAS, what is the MCS installation certification number?</p> <p>If the measure has been certified through any other alternative mechanism, provide the details</p>	<p>Provide the installation's MCS certificate number. This must be the MCS certificate number that is relevant to the measure.</p> <p>MCS installation certification number is required as evidence that a measure has been installed by an MCS-certified installer. For further information on this requirement please refer to the ECO3 Guidance.</p> <p>This field will be mandatory from 1 July 2021.</p>	Alphanumeric	<p>AAA-NNNNNNNN-A</p> <p>N/A</p>	Only entries in the accepted format are valid.	Required when: Measure is the installation of ASHP, GSHP, biomass boiler, microgeneration (Solar PV), or any other relevant measure that is not referred to in PAS. Mandatory from 1 July 2021	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
	in the "other certification" field.						
Gas_Safe_Engineer_Unique_Licence_Number	If the measure is the installation, repair, or replacement of a gas boiler, what is the engineer's Gas Safe unique licence number?	<p>Provide engineers Gas Safe unique licence number. This must be the Gas Safe licence number that is relevant to the engineer who installed the measure.</p> <p>The Gas Safe licence number is required for all measures involving gas. This would include FTCH measures where a gas boiler is being installed.</p> <p>Gas Safe license number can also be used to evidence appropriate skill and experience for DHS installations. For further information on this requirement please refer to the ECO3 Guidance.</p> <p>This field will be mandatory from 1 July 2021.</p>	Alphanumeric	NNNNNNN N/A	Only entries in the accepted format are valid.	Required when: Measure type is the installation, repair or replacement of a gas boiler. Mandatory from 1 July 2021	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
Other_Certification	<p>If the measure is a DHS installation, what certification does the installer hold to demonstrate appropriate skills and experience?</p> <p>If the measure has been certified through any other alternative mechanism, provide the details here.</p>	<p>Please state the full name of the qualification or certification that is relevant to the measure.</p> <p>DHS measures under ECO involve the installation, or connection of a central heating system to a District Heating System. For this we would consider a Level 2 or 3 NVQ in gas, plumbing and/or mechanical engineering, appropriate skill and experience to install or connect a central heating system. Appropriate skill and experience can also be evidenced through certification schemes which require the above qualification, such as Gas Safe.</p> <p>If an alternative certification to MCS is being used for non-DHS measures that are not referred to in PAS, please state the name of the certification. For further information on this</p>	Alphanumeric	N/A	Max character length of 150 characters	Required when: Measure type is DHS. Mandatory from 1 July 2021	Measure

Data	Question	Information	Data Field Type	Accepted Format	Validations	Mandatory	Review Tab
		<p>requirement please refer to the ECO3 Guidance.</p> <p>For all other measures please enter N/A.</p> <p>This field will be mandatory from 1 July 2021.</p>					

## Appendix 1 Property Type

Property Category Name	Property Type	Bedrooms	Property Type Name: format for notification to Ofgem
Flat	3 ext. Wall Flat	1	3W_Flat_1
	3 ext. Wall Flat	2	3W_Flat_2
	3 ext. Wall Flat	3+	3W_Flat_3+
	2 ext. Wall Flat	1	2W_Flat_1
	2 ext. Wall Flat	2	2W_Flat_2
	2 ext. Wall Flat	3+	2W_Flat_3+
House	End-terrace	1	End-terrace_1
	End-terrace	2	End-terrace_2
	End-terrace	3	End-terrace_3
	End-terrace	4	End-terrace_4
	End-terrace	5+	End-terrace_5+
	Mid-terrace	1	Mid-terrace_1
	Mid-terrace	2	Mid-terrace_2
	Mid-terrace	3	Mid-terrace_3
	Mid-terrace	4	Mid-terrace_4
	Mid-terrace	5+	Mid-terrace_5+
	Semi-detached	2-	Semi_2-
	Semi-detached	3	Semi_3
	Semi-detached	4	Semi_4
	Semi-detached	5+	Semi_5+
	Detached	2-	Det_2-
	Detached	3	Det_3
	Detached	4	Det_4
	Detached	5	Det_5
Detached	6+	Det_6+	
Bungalow	Bungalow - semi detached & end terrace	1	Bung_Semi/End_1
	Bungalow - semi detached & end terrace	2	Bung_Semi/End_2
	Bungalow - semi detached & end terrace	3+	Bung_Semi/End_3+
	Bungalow - mid terrace	1	Bung_Mid_1
	Bungalow - mid terrace	2	Bung_Mid_2
	Bungalow - mid terrace	3+	Bung_Mid_3+
	Bungalow - detached	2-	Bung_Det_2-
	Bungalow - detached	3+	Bung_Det_3+

Property Category Name	Property Type	Bedrooms	Property Type Name: format for notification to Ofgem
Maisonette	Maisonette 3 ext. Wall	2-	3W_Maisonette_2-
	Maisonette 3 ext. Wall	3+	3W_Maisonette_3+
	Maisonette 2 ext. Wall	2-	2W_Maisonette_2-
	Maisonette 2 ext. Wall	3+	2W_Maisonette_3+
Mobile Home	Single park home		Single_park_home
	Double park home		Double_park_home

## Appendix 2 Pre Main Heating Source for the Property for Deemed Score

Measure type	Pre main heating source												
	Gas boiler	Electric Storage Heaters	Oil boiler	LPG boiler	Solid fossil fuel boiler	Electric boiler	Electric room heaters	Gas room heaters	Solid fossil fuel room heaters	Bottled LPG boiler	Bottled LPG room heaters	Gas fire with back boiler	Gas back boiler to radiators
Insulation measures (exc. park home insulation)	√	√	√	√	√	√	√	√	√				
Park home insulation	√	√	√	√	√	√	√	√	√	√	√		
Broken boiler replacements	√		√	√	√	√						√	√
Boiler upgrade	√		√	√	√	√							√
First time central heating		√					√	√	√			√	
Boiler repair	√		√	√		√							
Broken electric storage heater replacement		√											
Broken electric storage heater repair		√											
Electric storage upgrade		√	√	√	√	√	√	√	√			√	√
Heating controls	√		√	√	√	√							
Solar PV		√				√	√						



## Appendix 3 Pre Main Heating Source proxies for rarer heating sources

Pre-main heating source	Proxy heating source
ASHP central heating <sup>1,5</sup>	Gas room heaters*
Air-oil hybrid heat pump	Gas room heaters*
Air-gas hybrid heat pump	Gas boiler*
Biomass district heating system	Gas boiler*
Biomass/wood central heating	Solid fossil fuel boiler*
Biomass/wood room heaters	Solid fossil fuel boiler*
Bottled LPG back boiler to radiators	Electric boiler*
Bottled LPG central heating <sup>2</sup>	Electric boiler*
Bottled LPG fire with back boiler	Electric room heaters*
Bottled LPG range cooker boiler	Electric room heaters*
Bottled LPG room heaters <sup>2</sup>	Electric room heaters*
Electric ceiling heaters	Electric room heaters*
Electric underfloor heating	Electric storage heaters*
Electric warm air system	Electric boiler*
Gas back boiler to radiators <sup>3</sup>	Gas room heaters*
Gas district heating system	Gas boiler*
Gas fire with back boiler <sup>3</sup>	LPG boiler*
Gas range cooker boiler	Gas room heaters*
Gas warm air system	Gas boiler*
GSHP central heating <sup>5</sup>	Gas room heaters*
GSHP district heating system	Gas boiler*
LPG back boiler to radiators	LPG boiler*
LPG boiler - Special Condition 18 <sup>4</sup>	Gas boiler*
LPG district heating system	Gas boiler*
LPG fire with back boiler	Electric room heaters*
LPG range cooker boiler	LPG boiler*
LPG room heaters	LPG boiler*
LPG warm air system	LPG boiler*
No heating present	Electric room heaters*
Oil district heating system	Gas boiler*
Oil range cooker boiler	Gas boiler*
Oil room heaters	Gas room heaters*
Oil warm air system	Oil boiler*
Solid fossil fuel back boiler to radiators	Solid fossil fuel boiler*
Solid fossil fuel fire with back boiler	Solid fossil fuel room heaters*

<sup>1</sup>air-to-water ASHP or air-to-air ASHP

<sup>2</sup>In the case of park home insulation measures, a proxy must not be used for these heat sources. The deemed scores matrix contains variants of park home insulation scores with the pre main heat sources 'bottled LPG boiler' and 'bottled LPG room heater'.

<sup>3</sup>In the case of heating measures, a proxy must not be used for these heat sources. The deemed scores matrix contains variants of heating measures scores with these pre-main heating sources 'Gas back boiler to radiators' and 'Gas fire to back boiler' where applicable.

<sup>4</sup>Special Condition 18 applies only if the property receives LPG at mains gas prices<sup>5</sup>

<sup>5</sup>Heating controls, smart thermostats and TRV measures installed alongside ASHPs and GSHPs should use the LPG boiler\* proxy

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<sup>5</sup> See: <https://www.ofgem.gov.uk/ofgem-publications/50140/7940-independentnetworksopenletterpdf>