

## ECO2t Data Dictionary V1.6

This document provides a data dictionary and general information for suppliers to complete the Monthly Notification Template for ECO2t measures installed from 1 April 2017.

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, or re-elect a measure.

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:

- File name should be AAA\_AAA00\_V0.0 where the three letter prefix is the supplier's three letter acronym, AAA00 is the notification month and year and V0.0 refers to the approved template version.
- File should be submitted in .csv format.
- File should include the heading for each field.
- Format "A" - Alphabetic.
- Format "N" - Numeric.

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 [ECO2t Guidance](#), available on our website.

For information on formatting addresses, refer to the [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 [ECO2t Measures Table](#) (and additional information), available on our website.

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). The ECO2t period runs from 01 April 2017 to 30 September 2018.	Alphabetic	ECO2t	If DOCI is between 01/04/2017 and 30/09/2018 (inclusive), the entry should be 'ECO2t'.	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 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 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'.</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
Obligation_Category	Which of the obligations is the measure to be credited towards?	<p>This refers to the ECO obligation the measure is to be credited against (i.e. CERO or HHCRO).</p> <p>There are different requirements for each of the ECO obligations. Therefore, this choice determines which of the subsequent entries must be completed in order for us to deem notification of the measure successful.</p>	Alphabetic	CERO 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 ECO2t Measures Table published on our website. This sets out the 'Measure Name: format for notification to Ofgem'.</p>	Alphanumeric	As per the advised list of measures in the ECO2t Measures Table	Only entries corresponding to those in the ECO2t Measures Table are valid where DOCI is between 01/04/2017 and	CORE	Measure

		<p>Measures need to be notified in the exact naming convention specified in the ECO2t Measures Table under 'Measure Name: format for notification to Ofgem'.</p> <p>Notifications which do not provide the measure in the format set out in 'Measure Name: format for notification to Ofgem' will fail (with a status of 'Failed Notification').</p>			30/09/2018		
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>This reference number must be unique across ECO1, ECO2, and ECO2t</p>	Alphanumeric	AAANNNNNNN	Only entries in the accepted format are valid.	CORE	All
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> <p>'Re-election' should be entered when the measure is being re-notified towards a different obligation.</p>	Alphabetic	New Notification, Edited Notification, Extended Notification, Re-election	Only entries corresponding to the list are valid.	Required	Overview
Associated_Measure	Does the measure have an associated primary or secondary measure?	<p>In CERO, a supplier can install certain measures only where another measure has been installed. This entry identifies whether the measure being notified has an associated secondary or primary measure.</p> <p>In CERO, a secondary measure must be supported by a primary measure that is installed to a minimum area (and in the case of loft insulation, a minimum depth). Party cavity wall insulation does not need to meet this minimum requirement. This is explained in the ECO2t</p>	Alphabetic	Primary Secondary N/A	Only entries corresponding to the list are valid	Required when: (i) 'Obligation_Category' = CERO; AND (ii) Measure_Type is one of the following - 'UFI' or	Overview

		<p>Guidance. Where a supplier is using more than one primary measure to meet the minimum area condition to support a secondary measure, the supplier should enter the reference number of the primary measure which resulted in the area condition being met or exceeded.</p> <p>Entering 'Primary' indicates that this measure has an associated primary measure. Entering 'Secondary' indicates that this measure has an associated secondary measure.</p> <p>'N/A' may be entered where the measure being notified does not have an associated primary or secondary measure.</p>				'HWCI' or 'PWI' or 'DP' or 'WG_singletodouble' or 'WG_improveddouble' or 'PWWD' or 'HPED_less_60' or 'HPED_greater_60'	
Associated_Measure_Reference_Number	Where there is an associated primary or secondary measure, what is the reference number for that measure?	Provide the unique reference number for the associated primary or secondary measure, as applicable.	Alphanumeric	AAANNNNNNN N/A	Only one associated measure reference number should be provided.  Only entries in the accepted format are valid.	Required when: 'Associated_Measure' = Primary or Secondary	Overview
Date_of_Completed_Installation	On what date was the installation of the measure completed?	The date of completed installation (DOCI) indicates the date on which the installation of the measure was 'complete'.	Date Field	dd/mm/yyyy	Only DOCI between 01/04/2017 and 30/09/2018 (inclusive) are valid.  Only entries in the accepted format are valid.	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 which the measure was installed?	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
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.	No	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.	No	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 ANA NAA AANA NAA	Postcodes with and without spaces will be accepted  Only entries in the accepted format are valid.	CORE	Property/Person
Unique_Property_Reference_Number_(UPRN)	What is the UPRN for the premises?	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.  'N/A' may be entered where the UPRN is unknown.	Alphanumeric	NNNNNNNNNN NN N/A	Numeric entries must be 12 digits.  Only entries in the accepted format are valid.	No	Property/Person

LSOA/DZ_Code	What is the LSOA or DZ code in which the premises is located?	Provide the code for the Lower Super Output Area (LSOA) or Datazone (DZ) in which the premises is located.  For more information on LSOAs and DZs please see the ECO2t Guidance.	Alphanumeric	ANNNNNNNN N/A	Only entries in the accepted format are valid.	Required when (i) 'Obligation_Category' = CERO; AND (ii) 'Rural_Sub_Obligation' = Yes	Property/Person
Low_Income	This field is not valid for ECO2t measures.	This field is not valid for ECO2t measures.  N/A must be entered for all measures.	Alphabetic	N/A	N/A must be entered	No	Property/Person
Adjoining_Installation	This field is not valid for ECO2t measures.	This field is not valid for ECO2t measures.  N/A must be entered for all measures.	Alphabetic	N/A	N/A must be entered	No	Property/Person
Adjoining_LSOA/DZ_Code	This field is not valid for ECO2t measures.	This field is not valid for ECO2t measures.  N/A must be entered for all measures.	Alphabetic	N/A	N/A must be entered	No	Property/Person
Rural_Area	This field is not valid for ECO2t measures.	This field is not valid for ECO2t measures.  N/A must be entered for all measures.	Alphabetic	N/A	N/A must be entered	No	Overview
Rural_Sub_Obligation	Is the measure intended to be credited towards the rural sub-obligation?	Suppliers must achieve at least 15% of its total CERO by promoting carbon emission reduction qualifying actions to premises in rural areas. This requirement is the 'rural minimum requirement'(RMR).  If a measure is installed in a rural area and it contributes to the RMR, then 'Yes' should be entered in this field.	Alphabetic	Yes No N/A	Only entries corresponding to the list are valid.	Required when: 'Obligation_Category' = CERO	Overview
Affordable_Warmth_Group	This field is not valid for ECO2t measures.	This field is not valid for ECO2t measures.  N/A must be entered for all measures.	Alphabetic	N/A	N/A must be entered	No	Property/Person

AWG_Verification_Method	How has Help to Heat Group membership been determined?	<p>This column is being repurposed to report on the Help to Heat Group.</p> <p>For further information on how to identify whether a person is a member of the help to heat group, please refer to the ECO2t Guidance.</p> <p>'ESAS' may be entered where the member of the help to heat group was verified through ESAS and has a 'matched' reference number from that service.</p> <p>'WHD Core Group' may be entered where the supplier can produce a WHD Core Group notice at audit for the help to heat group member.</p> <p>A data link is being established with the Department of Work and Pensions (DWP) so that help to heat group eligibility can be verified through a data matching exercise. Once this is in place, suppliers should enter 'DWP Match' for measures where help to heat group eligibility has been verified using this method.</p> <p>'Other' may be entered where a supplier will produce a copy of the relevant documents specified in the ECO2t Guidance at audit.</p>	Alphabetic	ESAS WHD Core Group DWP Match Other N/A	Only entries corresponding to the list are valid.	Required when: 'HHCRO_Eligibility' = Help to Heat Group	Property/Person
ESAS_Reference_Number	What is the ESAS reference number that was provided on referral?	Where a customer was verified through ESAS, provide the unique 'matched' reference number for the ESAS referral.	Alphanumeric	ANNNNNNNN ANNNNNNN N/A	Only entries corresponding to the list are valid.	Required when: 'AWG_Verification_Method' = ESAS	Property/Person
Private_Domestic_Premises	Was the measure installed at a private domestic premises?	<p>Indicates whether the premises is generally not owned and/or let by a social landlord.</p> <p>For further information on the definition of private domestic premises, please refer to the ECO2t Guidance or the private domestic premises guidance note.</p>	Alphabetic	Yes No N/A	Only entries corresponding to the list are valid.	Required when: 'HHCRO_Eligibility' = Help to Heat Group or LA declaration	Property/Person
Tenure	What is the tenure of the premises?	Provide a description of the tenure of the premises, for example 'Owner Occupied', 'Private Rented Sector', 'Social Housing (RSL)', 'Unknown'.	Alphabetic	Owner Occupied Private Rented Sector Social Housing (RSL) Unknown N/A	Only entries corresponding to the list are valid.	No	Property/Person

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 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.	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
Scoring_Method	What scoring method has been used?	Indicates the methodology used to calculate the savings for the measure. Where a measure can be scored using deemed scores (DS) this methodology must be used. Where there is no deemed score available, SAP, RdSAP or an appropriate or alternative methodology (AM) must be used.	Alphabetic	SAP RdSAP DS AM	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.  If an appropriate or alternative methodology has been used the name of the scoring tool should be entered in this field.  Where the scoring method is DS, N/A should be entered.	Alphanumeric	Max character length of 150 characters	Only entries in the accepted format are valid.	Required when: 'Scoring_Method' = AM, SAP or RdSAP	Measure
Appropriate_Methodology_ID	Where an appropriate or alternative methodology (AM) has been used, what is the reference number for that AM?	If an AM has been used to calculate the savings of the measure, the reference number Ofgem allocated to this appropriate or alternative methodology must be provided. (Ofgem will provide a unique AM ID when a request is submitted to use an appropriate or alternative methodology). Measures scored using an AM that have not yet been approved will be placed on hold and review of the measures will be subject to the approval of that methodology.	Alphanumeric	AANNNN N/A	Only entries in the accepted format are valid.	Required when: 'Scoring_Method' = AM	Measure



Annual_Carbon_Saving_(TCO2)	What is the annual carbon saving?	<p>Indicates the annual carbon saving in tonnes of carbon dioxide (TCO<sub>2</sub>) achieved by the measure. This saving should be calculated in accordance with SAP or RdSAP.</p> <p>If calculated using SAP or RdSAP 2012, the annual carbon saving must be multiplied by 0.925 to convert it from CO<sub>2</sub>e to CO<sub>2</sub>. The CO<sub>2</sub> value should be entered in this field and not the CO<sub>2</sub>e value.</p> <p>SAP 2009 and SAP 2012 can be used to calculate savings for measures installed in Scotland. No conversion to CO<sub>2</sub> is required for measures scored using SAP 2009.</p> <p>Suppliers should not include the units ('TCO<sub>2</sub>') when completing this field.</p> <p>Where the scoring method is DS, N/A should be entered.</p>	Alphanumeric	NNN.NNN N/A	Only entries in the accepted format are valid.	Required when: (i) 'Obligation_Category' = CERO; AND (ii) 'Scoring_Method' = AM, SAP or RdSAP	Measure
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.</p> <p>The annual cost saving should not take into account the 'HHCRO multiplier'.</p> <p>Suppliers should not include the units ('£') when completing this field.</p> <p>Where the scoring method is DS, N/A should be entered.</p>	Alphanumeric	NNNNN.NN N/A	Only entries in the accepted format are valid.	Required when: (i) 'Obligation_Category' = HHCRO; AND (ii) Scoring_Method = AM, SAP or RdSAP	Measure
Lifetime_(yrs)	What is the lifetime of the measure?	<p>Indicates the expected lifetime of the measure.</p> <p>The ECO2t Measures Table provides a list of lifetimes and is available on our website.</p> <p>Where the scoring method is DS, N/A should be entered.</p>	Alphanumeric	NN N/A	Only entries in the accepted format and as per the ECO2t Measures Table are valid.	Required when: Scoring_Method = AM, SAP or RdSAP	Measure
In-Use_Factor	What is the in-use factor of the measure?	<p>Indicates the in-use factor of the measure.</p> <p>The in-use factors are listed in the ECO2t Measures Table.</p> <p>Where the scoring method is DS, N/A should be entered.</p>	Alphanumeric	NNN N/A	Only entries in the accepted format and as per the ECO2t Measures Table are valid.	Required when: (i) 'Obligation_Category' = CERO; AND (ii) Scoring_Method	Measure

						= AM, SAP or RdSAP	
Carbon_Score_(TCO2)	What is the carbon score for the measure?	<p>Where the scoring method is DS, refer to the deemed score matrix to identify the appropriate carbon score for a measure.</p> <p>For measures scored using SAP, RdSAP or an AM, the carbon score should be calculated as follows:</p> <p><i>Annual carbon saving x Lifetime x (100% - In-Use Factor)</i></p> <p>See the ECO2t Guidance for further information.</p> <p>Suppliers should not include the units ('TCO2') when completing this field.</p>	Alphanumeric	NNNN.NNN N/A	Only entries in the accepted format are valid.	CORE when 'Obligation_Category' = CERO	Measure
Cost_Score_(£)	What is the cost score for the measure?	<p>Where the scoring method is DS, refer to the deemed score matrix to identify the appropriate cost score for a measure.</p> <p>For measures scored using SAP, RdSAP or an AM, the cost score should be calculated as follows:</p> <p><i>Annual cost saving x Lifetime x HHCRO Multiplier (where applicable)</i></p> <p>See the ECO2t Guidance for further information.</p> <p>Suppliers should not include the units ('£') when completing this field.</p>	Alphanumeric	NNNNNN N/A	Only entries in the accepted format are valid.	CORE when: 'Obligation_Category' = HHCRO	Measure

Primary_Eligibility	Where the measure has an associated primary measure, has the latter been installed in accordance with the required eligibility criteria?	<p>In CERO, a measure cannot be eligible as a 'secondary measure' unless the associated primary measure meets the minimum condition. The minimum conditions are as follows:</p> <p>Wall insulation (EWI, IWI, CWI,), at least 50% of the total area of the exterior facing walls.</p> <p>Insulation of a mobile home, at least 50% of the mobile home (ceiling, floor and walls).</p> <p>Roof-space insulation (flat roof, loft, rafter and room-in-roof), at least 50% of the total roof space area.</p> <p>In addition to the minimum condition, for loft insulation, no more than 150mm of existing insulation can be in place before the installation. The insulation depth after installation of the measure must be no less than 250mm.</p> <p>The minimum condition may be met by the installation of more than one measure.</p> <p>See the ECO2t Guidance for further information.</p>	Alphabetic	Yes No N/A	Only entries corresponding to the list are valid.	Required when: (i) 'Obligation_Category' is CERO; AND (ii) 'Associated_Measure' = 'Primary'	Measure
Evidence_of_Lifetime_for_Wall_Insulation	Where the measure is wall insulation, is there an appropriate guarantee?	<p>Where the measure notified is wall insulation, the lifetime that will be awarded to the measure will depend on whether the installation is accompanied by an appropriate guarantee. Information on appropriate guarantees is available on our website and in the ECO2t Guidance.</p> <p>'Yes' should be entered where the installation is accompanied by an appropriate guarantee. Details about the guarantee should be entered in the 'Wall_Guarantee' field.</p>	Alphabetic	Yes No N/A	Only entries corresponding to the list are valid.	Required when: 'Measure_Category' = 'Solid Wall Insulation', 'Cavity Wall Insulation', 'Park Home External Wall Insulation' OR 'Party Cavity Wall Insulation'	Measure
HTTC_Validation	This field is not valid for ECO2t measures.	<p>This field is not valid for ECO2t measures.</p> <p>N/A must be entered for all measures.</p>	Alphabetic	N/A	N/A must be entered	No	Measure
Boiler_or_ESH_Warranty	Where the measure is the repair or	<p>Indicates the length (in years) of the warranty.</p> <p>All replacement boiler or ESH Replacement measures</p>	Alphanumeric	N NN N/A	Only entries in the accepted format are valid.	Required when: Measure Category =	Measure

	replacement of a boiler or an electric storage heater (ESH), was the measure accompanied by a warranty?	<p>must be accompanied by a warranty of at least one year.</p> <p>All qualifying boiler repairs or QESH repairs must be accompanied by a warranty of one or two years.</p>				Boiler, QESH Replacement, ESH Replacement or QESH Repair	
Adequate_Roof_or_Wall_Insulation	Where the measure is a connection to a district heating system (DHS), does the premises have adequate roof or wall insulation?	<p>In CERO a connection to a DHS is only eligible if the premises being connected has adequate roof or wall insulation.</p> <p>'Yes' should be entered where the premises being connected to the DHS meets one of the two insulation pre-conditions (as relevant).</p> <p>For further information please refer to the ECO2t Guidance.</p>	Alphabetic	Yes No N/A	Only entries corresponding to the list are valid.	Required when: (i) the Measure Category is DHS AND (ii) 'Obligation Category' = CERO	Measure
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 asterisk (*) 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 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 ECO2t Guidance.</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

Recommend ed_Measure	This field is not valid for ECO2t measures.  N/A must be entered for all measures.	This field is not valid for ECO2t measures.  N/A must be entered for all measures.	Alphabetic	N/A	N/A must be entered	No	Measure
Pre_Installat ion_EPC_RRN	Was a pre-installation EPC completed and lodged with the appropriate body?	Provide the latest report reference number for an EPC (if generated and lodged in the appropriate EPC Register) generated prior to the installation of the specified measure.  We may use this to check that a social housing premises is eligible for 'Social EFG'.  'N/A' must be entered where a pre-installation EPC is not lodged or has been withdrawn.	Alphanumeric	NNNN-NNNN-NNNN-NNNN N/A  Max character entry of 24 characters	Only entries in the accepted format are valid.	Required when: (i) 'Obligation_Category' = HHCRO; (ii) 'HHCRO_Eligibility' = Social Housing EFG; AND (iii) 'Post_Installation_EPC_RRN' = N/A	Measure
Post_Installation_EPC_RRN	Was a post-installation EPC completed and lodged with the appropriate body?	Provide the latest report reference number for an EPC (if generated and lodged in the appropriate EPC Register) generated after the installation of the specified measure.  We may use this to check that a social housing premises is eligible for 'Social EFG'.  'N/A' must be entered where a post-installation EPC is not lodged or has been withdrawn.	Alphanumeric	NNNN-NNNN-NNNN-NNNN N/A  Max character entry of 24 characters	Only entries in the accepted format are valid.	Required when: (i) 'Obligation_Category' = HHCRO; (ii) 'HHCRO_Eligibility' = Social Housing EFG; AND (iii) 'Pre_Installation_EPC_RRN' = N/A	Measure
Green_Deal_Advice_Report_URN	What is the EST online owner verification unique reference number (URN)?	This field has been repurposed to use it for 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.	Freetext	Max character length of 50 characters	Only entries in the accepted format are valid.	No	Measure

Brokerage	Was the measure purchased through the Brokerage Mechanism?	Indicates whether the measure was purchased through brokerage.	Alphabetic	Yes No	Only entries corresponding to the list are valid.	Required	Overview
Brokerage_Lot_Number	If the measure was purchased through brokerage, what is the lot number of the measure?	Provide the reference (lot number) associated to the purchase through brokerage.	Alphanumeric	Max character length of 50 characters	Only entries corresponding to the list are valid.	Required when: 'Brokerage' = Yes	Overview
Installed_In_Accordance_with_PAS?	If the measure is referred to in the Publicly Available Specification 2030:2014 or 2030:2017 (PAS), which version of PAS was the measure installed under?	<p>All measures that are referred to in PAS must be installed in accordance with the Specification.</p> <p>Either PAS 2030:2014 Edition 1 or PAS2030:2017 Edition 1 will be accepted up until 31/05/2017. After this date we will only accept measures installed in accordance with PAS2030:2017 Edition 1.</p> <p>For Qualifying Boiler Replacement measures, where the Post_Main_Heating_Source_for_the_Property is 'Biomass boiler', 'ASHP' or 'GSHP' then N/A should be entered.</p> <p>Note that for all Qualifying Boiler Repair measures, N/A should be entered.</p> <p>For further information on this requirement please refer to the ECO2t Guidance and the ECO2t measures table.</p>	Alphanumeric	PAS2030:2014 PAS2030:2017 N/A	Only entries corresponding to the list are valid.	Required when: 'Measure_Type' is referred to in PAS	Measure
Measure_Carried_Out_As_Part_Of_A_Green_Deal_Plan	This field is not valid for ECO2t measures.	<p>This field is not valid for ECO2t measures.</p> <p>N/A must be entered for all measures.</p>	Alphabetic	N/A	N/A must be entered	No	Overview
Green_Deal_Plan_Reference_Number	This field is not valid for ECO2t measures.	<p>This field is not valid for ECO2t measures.</p> <p>N/A must be entered for all measures.</p>	Alphabetic	N/A	N/A must be entered	No	Overview

Green_Deal_Provider_Registration_ID	This field is not valid for ECO2t measures.	This field is not valid for ECO2t measures. N/A must be entered for all measures.	Alphabetic	N/A	N/A must be entered	No	Overview
Floor_Area	This field is not valid for ECO2t measures.	This field is not valid for ECO2t measures. N/A must be entered for all measures.	Alphabetic	N/A	N/A must be entered.	No	Property/Person
Percentage_of_Measure_Installed	What percentage of the measure has been installed at the premises?	Indicates what percentage of all areas of the premises that are suitable for treatment with that measure have been treated.  Ofgem require that suppliers must install 100% of a measure at a premises, unless there are reasonable grounds for not doing so. Suppliers should not include the '%' symbol when completing this field.  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 ECO2t guidance.	Numeric	NNN	Only entries in the accepted format are valid.	Required	Measure
HHCRO_Multiplier	What HHCRO multiplier has been applied in calculating the cost score for this measure?	A multiplier will be included when calculating the cost score of some HHCRO measures. If no HHCRO multiplier is applied, then 'N/A' should be entered.  Where the scoring method is DS then 'N/A' should be entered as the HHCRO multiplier has already been included.  If the measure is installed to improve the insulating properties of a non-gas fuelled premises, a multiplier of 1.35 should be entered.  If the measure is the replacement of a qualifying boiler by a measure other than an electric storage heater at a non-gas fuelled premises), a multiplier of 1.45 should be entered.  If the measure is the repair of a qualifying boiler at a non-gas fuelled premises, a multiplier of 1.45 should be entered.	Alphanumeric	N.NN N/A	Only entries in the accepted format are valid.	Required when: 'Scoring_Method' = AM, SAP or RdSAP	Measure

		<p>If the measure is the replacement of a mains gas qualifying boiler by a mains gas boiler, a multiplier of 0.8 should be entered.</p> <p>See the ECO2t Guidance for further information.</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 boiler repair and replacement measures, this field denotes the heating source which has been installed at the property.</p> <p>For all other measures N/A must be entered.</p>	Alphabetic	<p>Gas boiler Oil boiler LPG boiler ASHP GSHP Biomass boiler Electric boiler N/A</p>	Only entries corresponding to the list are valid.	Required when: Measure Category = 'Boiler'	Property /Person
Installer_Name	What is the name of the installer?	Provide the name of the 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. In cases where the measure is included in PAS 2030 we require the name of the certified installation company to be captured rather than a company the PAS certified installer company has sub-contracted the installation to.	Alphanumeric	Max character length of 150 characters	Only entries in the accepted format are valid.	Required	Measure
DWP_Reference_Number	What is the reference number provided by the data matching provider confirming DWP have verified the customer is an AWG member?	Where a customer was verified as a member of the AWG using the DWP data matching service, enter the reference number provided by the data matching provider.	Alphanumeric	<p>NNNNNNNNNN N/A</p>	Only entries in the accepted format are valid.	Required when: AWG_Verification_Method = 'DWP Match'	Property /Person
Wall_Guarantee	If an appropriate guarantee was applied for, what is the Ofgem code for that appropriate guarantee?	<p>Provide the 8-digit character code for the appropriate guarantee. These codes can be found on the ECO Appropriate Guarantees List on the Ofgem website.</p> <p>If the guarantee applied for does not appear on our list, please contact us for a code.</p>	Alphanumeric	<p>AAAAAANN N/A</p>	Only entries in the accepted format are valid.	Required when: 'Evidence_of_Lifetime_for_Wall_Insulation' = Yes	Measure



HHCRO_Eligibility	What is the HHCRO eligibility route?	Indicates how the customer or premises has been targeted and deemed eligible for HHCRO support.  For further information on the various routes to eligibility for HHCRO, please refer to the ECO2t Guidance.	Alphabetic	Help to Heat Group Social Housing EFG LA declaration N/A	Only entries corresponding to the list will be accepted	Required when: 'Obligation_Category' = HHCRO	Property /Person
LA_Criteria	What is the reason given in the LA declaration for listing the household under a local authority declaration?	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 (low income and vulnerable) or In-fill.  For more information on eligibility under this route please see the Ofgem ECO2t guidance, the ECO2 amendment order 2017 or the BEIS guidance.  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.	Alphanumeric	Fuel poor Low income & vulnerable SWI In-fill 66% SWI In-fill 50% N/A	Only entries corresponding to the list will be accepted	Required when: 'HHCRO_Eligibility' = LA declaration  Optional when: 'HHCRO_Eligibility' = Help to Heat	Property /Person
LA_Declaration_Reference_Number	What is the local authority declaration reference number?	Provide the local authority declaration unique reference number.  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.	Alphanumeric	ANNNNNNNN- NNNNN	Only entries in the accepted format are valid.	Required when: 'HHCRO_Eligibility' = LA declaration  Optional when: 'HHCRO_Eligibility' = Help to Heat	Property /Person
PAS_Certification_Number	If the measure is referred to in the Publicly Available Specification 2030:2014 or 2030:2017 (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 ECO2t 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	Measure
Percentage_Of_Property_Treated	What percentage of the property was treated	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.	Numeric	NNN	Only entries in the accepted format are valid.	Required when: 'Scoring_Method' = DS	Measure

	with the measure?	<p>This field should be considered alongside 'Percentage_of_measure_installed'. 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 ECO2t guidance.</p> <p>For measures installed up to (and including) 31 January 2018, values are only accepted in 10% intervals.</p> <p>For measures installed from 1 February 2018, values are only accepted in 20% intervals.</p> <p>Suppliers should not include the '%' symbol when completing this field.</p>				
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### Appendix 1 Property Type

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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+
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

Pre main heating source

Measure type	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	√	√	√	√	√	√	√	√	√	√	√		
Non-qualifying boiler replacements	√	√	√	√	√	√	√	√	√			√	√
Qualifying boiler replacements	√		√	√	√	√						√	√
Qualifying boiler repair	√		√	√	√	√						√	√
Electric storage heater (non-qualifying) replacements		√	√	√	√	√	√	√	√			√	√
Qualifying electric storage heater replacements		√											
Qualifying electric storage heater repair		√											
Heating controls	√		√	√	√	√							
Solar PV		√				√	√						

### Appendix 3 Deemed Scores Proxy Heating Sources

Pre-main heating source	Proxy for carbon savings (CERO)	Proxy for cost savings (HHCRO)
Air/ground/water heat pump central heating	Gas boiler*	Oil boiler*
Air-oil hybrid heat pump	Gas boiler*	Oil boiler*
Biomass district heating system	0 (N/A)	Gas boiler
Biomass/wood central heating	0 (N/A)	Solid fossil fuel boiler*
Biomass/wood room heating	0 (N/A)	Solid fossil fuel boiler*
Bottled LPG back boiler to radiators	Oil boiler*	Electric room heaters*
Bottled LPG central heating <sup>2</sup>	LPG boiler*	LPG boiler*
Bottled LPG fire with back boiler	Electric room heaters*	Electric room heaters*
Bottled LPG range cooker boiler	Oil boiler*	Electric room heaters*
Bottled LPG room heater <sup>2</sup>	Oil boiler*	Electric room heaters*

Electric ceiling heaters	Electric room heaters*	Electric room heaters*
Electric underfloor heating	Electric storage heaters*	Electric storage heaters*
Electric warm air system	Electric boiler*	Electric boiler*
Gas back boiler to radiators <sup>1</sup>	Gas room heaters*	Gas room heaters*
Gas district heating system	Gas boiler*	Gas boiler*
Gas fire with back boiler <sup>1</sup>	Gas room heaters*	Gas room heaters*
Gas range cooker boiler	Gas room heaters*	Gas room heaters*
Gas warm air systems	Gas boiler*	Gas boiler*
GSHP district heating system	Gas boiler*	Gas boiler*
LPG back boiler to radiators	Oil boiler*	Electric room heaters*
LPG boiler - Special Condition 18 <sup>3</sup>	LPG boiler*	Gas boiler*
LPG district heating system	LPG boiler*	Gas boiler*
LPG fire with back boiler	Electric room heaters*	Electric room heaters*
LPG range cooker boiler	Oil boiler*	Electric room heaters*
LPG room heaters	Oil boiler*	Electric room heaters*
LPG warm air system	LPG boiler*	LPG boiler*
No heating present	Electric room heaters*	Electric room heaters*
Oil district heating system	Oil boiler*	Gas boiler*
Oil range cooker boiler	Oil boiler*	Gas room heaters*
Oil room heaters	Electric room heaters*	LPG boiler*
Oil warm air systems	Oil boiler*	Oil boiler*
Solid fossil fuel back boiler to radiators	Solid fossil boiler*	Solid fossil boiler*
Solid fossil fuel fire with back boiler	Solid fossil fuel room heaters*	Solid fossil fuel room heaters*

<sup>1</sup>where the measure being installed is not a heating measure

<sup>2</sup>where the measure being installed is not a heating measure into a park home

<sup>3</sup>Special Condition 18 applies only if the property receives LPG at mains gas prices