

DEAP 4 Software user interface updates

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August 2023

The DEAP Software is being updated to improve user experience. This document outlines the changes you will see from 1st August 2023.

1. AGENDA UPDATE - Agenda Search

New search functionality has been added to the agenda to assist you with finding surveys in your agenda.

🛱 AGENDA		(START NE	W SURVEY	
Q Search Surveys	ت) (Updated From	Updated	то	× CLEAR
Last Updated 🔨 Description	Dwelling Address	Туре	MPRN	BER No.	Status
13-Jul-23	5 Park Avenue	Existing Dwelling	0		In Progress

It is now possible to search by a combination of the following

- Survey Description,
- Dwelling Address,
- Rating Type,
- MPRN,
- BER Number,
- Status

When searching, search terms should be separated by a space. To search for a specific phrase, put it in "double-quotes". You can also refine the search results by the date of the last update.

2. GENERAL UPDATE - Better highlighting across the application

The display of information, the appearance of headings and fields, and the highlighting of mandatory fields have been enhanced across the application to improve navigation through the assessment.

3. GENERAL UPDATE - Items displayed by order of input

Items and elements added are now displayed in the order that they have been entered and will no longer be reordered by the number of items. This will make it easier for you to check against any list you are working from.



4. GENERAL UPDATE - Button to open/close assessment tab and left tab pop out



You will be able to pin the left and right pop-out tabs open or closed, so that the tabs do not pop open unexpectedly when editing the survey.

5. GENERAL UPDATE – TGD L check displayed

The building regulations being checked now appears in the pop-up box on the right



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6. GENERAL UPDATE - Highlighting a selected object behind a pop-up box

Highlighting the item selected behind the pop-up has been added so that you can see which item you are editing.

FLOORS	ROOFS	WALLS	ROOMS	DOORS	WINDOWS	GLOBAL FACTORS					(0
WALLS									Ð	ADD W	ALL	
Type Description			Edit Wall						U-Value			
			Wall Type *		Age Band *				[W/m ² K]			Er
Timber Frame			Timber Frame		1983 - 1993		•	0.00	0.600	ſ	Ō	
Timber Frame			Area [m*] *	0.6	Description			0.00	0.522	þ	Ō	
Total Heat Loss Wa	all Area [m ²])	0.00				
			Include in compliance ch	neck (i) 🗌 Wa	all is semi-exposed							
						CANCEL	SAVE					

7. GENERAL UPDATE - Ability to drag and drop pop-ups

You can now drag and drop pop-ups so that you can see the information behind the pop-up.

FLOORS	ROOFS O	WALLS	ROOMS	DOORS	WINDOWS	GLOBAL F	ACTORS				•
WALLS									()	ADD W	ALL
Туре	Description				Wall is semi- exposed	Include in compliance check	Age Band	Area [m²]	U-Value [W/m ² K]		
Timber Frame					No	No	1983 - 1993	50.00	0.600	ſ	ō
Timber Frame		Edit W	all					× 50.00	0.522	Ū	Ō
Total Heat Loss Wal	I Area (m²)	Area (m ⁻) 50	* Frame * [c	U-Value (W/m*K) *	 Age Band * 1983 - 1993 Description Il is semi-exposed 	CAN	ICEL SAVE	00.00			



8. SURVEY DETAILS - New 'Survey Details' tab

This tab displays the information entered in steps 1 and 2 of 'start a new survey'. This provides easy access to check and edit the details if required. To access the 'survey details' screen you can click on the new icon above the building tab icon.

2	Seal MARKAGE DEAP4 > Survey 9 MPRI:0 BER: 5 Park Avenue, Co. Dublin		····	⊗ < ±
۲	C SURVEY DETAILS	DWELLING DETAILS		Survey status
₽ O	r Type of Ration ★ New Dwelling - Provisional Sale Sale	Dwelling Type * Ground-floor apartment	2023 Extended	progress In Progress Performance
\$	(Building Regulations ★ 2019 TGD L ▼) Date of Plans Planning Reference	0	BER Number	Energy Value CO ₂ emission
త థ ి	Assessor Comments	MPRN is shared with another dwelling	BER number assigned to shared dwelling	kWh/m ² /yr kgCO ₂ /m ² /yr Compliance Building Regulations
*	Survey Description	Address Line 1 * 5 Park Avenue		2019 TGD L
¥ Ø		Address Line 2	Address Line 3	target 0.300
.		County/City *	Eircode	target
=×			An Eircode is a seven character alphanumeric code. For further info go to <u>https://finder.eircode.ie</u>	
				target 0.200

9. BUILDING TABS – Display of Area fields in the 'Building' tab

All area fields have been aligned to make it easier to check data entry.

FLOORS	ROOFS 🔴	WALLS	ROOMS	DOORS	WINDOWS	GLOBAL F	ACTORS				
WALLS									÷	ADD W	ALL
Туре	Description				Wall is semi- exposed	Include in compliance check	Age Band	Area [m²]	U-Value [W/m ² K]		
Timber Frame					No	No	1983 - 1993	50.00	0.600	٦	Ō
Timber Frame					Yes	No	1983 - 1993	50.00	0.522	٦	Ō
Total Heat Loss W	all Area [m ²]							100.00			



10. BUILDING TAB – Display of dwelling volume

The dwelling volume value is now displayed on the floors tab.

FLOOR	S ROOFS •	WALLS	ROOMS	DOORS	WIN	IDOWS	GLOBAL FAC	CTORS				
🏠 BUIL	DING		AVERAGE STOREY	' HEIGHT [m]								
Number of Str	CLiving area [m*]	* (i)	2.4 i	2.7	i							
}≡ FLOO	E FLOORS											
Storey	Туре	Description		U/F Heating	Compliance Check	In Roof	Age Band	Exposed Perim. [m]	Area [m²]	U-Value [W/m ² K]		
1	Ground Floor - Solid	Ground Floor		No	No	No	1983 - 1993	20.00	50.00	0.570	D	Ō
2	Non-Heat Loss Floor	First Floor		No	No	No	1983 - 1993		100.00	0.000	þ	Ō
Total Floor	r Area [m²]								150.00			
Total Heat	t Loss Floor Area [m ²]								50.00			
Dwelling V	/olume [m ³]								390.00			

11. BUILDING TAB - Creating a window library item

The 'number of openings' and 'number of draught stripped openings' fields have been removed when creating a Window library item to save users time when creating a new library item.

Add Library Item		×
BASIC PROPERTIES WINDOW DETAILS		
Type *	Frame Type *	Gap 👻 讨
U-Value [W/m ² K] ★ (i) Solar Energy Transmittance [g⊥] ★(i)	Frame Factor * (j	Roof Window
NA vi	NA Ti	Overhang Depth Ratio 🔹 🤅
		SAVE CLOSE



12. VENTILATION TAB - Changes to Structural Air Tightness

The 'structure type' is now defaulted to 'Masonry' and 'Is there a suspended wooden ground floor' is defaulted to 'no' on opening the tab in a new survey.

INFILTRATION DUE TO OPENINGS	STRUCTURAL AIR TIGHTNESS	VENTILATION METHOD
음 STRUCTURAL AIR TIGHTNESS		
Is there an Air-permeability Test Result?)	
Adjusted Air Permeability Test Result [ac/h]	Structure Type Masonry	Is there a suspended wooden ground floor? No

13. SPACE HEATING - Heat Pump Default heating system

The default input for a heat pump heating system has been changed from water to water to air to water as this is the most common heat pump type currently. This will save time for users when completing a survey.

14. SPACE HEATING – adding a new heat pump

To enhance clarity, the heat pump data entry window has been divided into three tabs: "Basic Properties," "Heat Pump Details," and "Heat Pump Test Data" (when applicable).

Add Library Item			×
BASIC PROPERTIES	HEAT PUMP DETAILS	HEAT PUMP TEST DATA	
Heat Pump Type *	Space Heating Standard I.S. EN 14825	▼ UWater Heating Standard ↓ I.S. EN 16147 ▼ (i)	
Seasonal Space Heating Efficiency	(%) *	(i) Water Heating Efficiency [%] *	
For all heat pumps tested to I.S. E used in the calculation. For all "-to Seasonal Efficiency SCOP/A is en	N 14825 this value is for display purposes o air" heat pumps tested to I.S. EN 14825 th tered instead of the %.	s and is not the Heating	
Variable Outlet	*	▼ ① Integrated Immersion	
-10	(i) (WTOL *	Cooling System Seasonal Energy Efficiency Ratio	
		SAVE CLOSE	

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15. WATER HEATING TAB - New layout

The water heating tab now contains a number of data entry tabs to simplify the entry of data. The water heating inputs are entered using the following tabs

- Heat source
- Options and Storage
- Combi Boiler
- Showers and Baths
- Solar

۲	HEAT SOURCE	OPTIONS & STORAGE	COMBI BOILER	SHOWERS & BATHS	SOLAR				(3
₿	HEAT SOURCE							⊕ ADD HEAT	SOURCE	1
6 *	Туре		Manufacturer	Model	Seasonal Efficiency [%]	Efficiency Adj. Factor	Fuel Type	Daily Operation [h]	Heats space	Er
ఠి	Default gas boiler (includ (including combis) with	ding LPG) 1998 or later - Condensing automatic ignition	Any	Any	83.00	0.95	Mains Gas		Yes	1 k

16. WATER HEATING New layout to the water heating 'options and storage' screen

The water heating 'options and storage' screen has been simplified to assist you with data entry.

۲	HEAT SOURCE OPTIONS & STORAGE		COMBI BOILER SHOWERS & BATHS SOLAR
₽			STORAGE LOSSES
ш %	Storage Losses	i	Storage Volume II * Cylinder, indirect 200
ఠి	Storage indoors or in group heating scheme	i	✓ Cylinder Thermostat
•	Manufacturers declared loss available		Separate timer for heating the store Store in an airing cupboard Winter operating temp. of electric CPSU [*C] 🔹
*	✓ Distribution Losses	i	Camperature Factor Unadjusted
Q	Supplementary electric water heating used in	i	0.6
	Low water usage (less than 125 l/p/d)		Factory Insulated Fotory Insu
9			Primary Circuit Loss Type
=ž			uonar / reac purity mitri uninsunateu printiary pipemonik anu mitri cynnuer trieffillustat

17. WATER HEATING New water heating 'combi boiler' screen

Combi boiler inputs are entered in a new tab to simplify data entry.



۲	HEAT SOURCE OPTIONS & STORAGE COMBI BOILER SHOWERS & BATHS SOLAR	3
₽	G COMBI BOILER	
۲. ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰	Is there a combi boiler	E
తి	Combi Boller Type	
*	Electric Keep-hot Facility Type	
Q		
1	Additional Loss [kWh/y] Keep-hot Consumption [kWh/y]	
Ð		
Ξž		

18. WATER HEATING New water heating 'showers and baths' screen

The shower and baths inputs are entered in a new tab to simplify data entry.

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۲	HEAT SOURCE OPTIONS & STORAGE COMBI BOILER			SHOWER	S & BATHS SOLA	AR						
₿	🖨 ѕно	WERS & BAT	THS						0	ADD SHOWER	S & BA	rhs
ন` ক ৩	Count	Room	Name	Description	Туре	Mixer System	Flow Restrictor	Flow Rate	Waste Water Heat Recovery Efficiency	Waste Water Heat Recovery Utilisation Factor		
•	1		Instantaneous electric shower (vented or unvented)		Electric		No				ē	Ô
Q	1		Mixer Shower - Unvented hot water system		Mixer	Unvented hot water system	No	11.00			Ō	Ō
1												
Ð												
Ξž												

19. RENEWABLES New layout of the Renewables tab

The renewables tab now contains a new pop-up box to enter data.

RENEWABLES	MPCDER							
Z RENEWABLES	5						Œ) ADD RENEWABLE
	EN	ERGY PRODUCED OR S	SAVED			ENERGY CONSUM	ED	
Renewable Type	Technology / Comment	Part L Total Contribution [kWh/y]	Delivered Energy [kWh/y]	Fuel Type	Technology / Comment	Delivered Energy [kWh/y]	Primary energy conversion factor	CO ₂ Emmision Factor [kg/kWh]
This list is empty.								

Certain fields are greyed out depending on the renewable you choose.

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Electrical (Solar PV/Wind)	•
ENERGY PRODUCED OR SAVED	ENERGY CONSUMED
Technology/Comment *	Technology/Comment
Delivered Energy [kWh/y] · () Part L Total Contribution [kWh (Delivered Energy [kWh/y] CO ₂ emission factor [kg/kWh]
Fuel Type Electricity	Primary energy conversion factor

20. EVIDENCE - Pin the top bar when a user scrolls in evidence

■ EVIDENCE (0 FILES)	DOWNLOAD ALL		
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When you scroll in the evidence tab, the top bar as pictured above will remain visible, allowing you to add evidence while scrolling.



Data Entry Supports

Tooltips

Tooltips have been added adjacent to many of the data input fields in the DEAP software. These provide guidance on the data field.

lcon	Flag Type	Detail
i	Tooltip	Where you see the information icon, you can hover over it to access the information. You can view the tool tip even if the field is disabled.

Link to DEAP 4 manual

A link to a PDF of the latest DEAP manual has been added to the banner at the top of the screen.

ର	Seal Stramele DEAP4		> Survey	MPRN: 0 BER: 5 Park Avenue, Co. Dublin	@ •••	6 <	*	
Icon Access		ess	Detai	I				
0		DEAP T		To ac	cess the DEAP manual, you can simply click or	the icor	n with [.]	the
	9	Man	iual	quest	ion mark.			

Errors and Warnings

Potential errors in data entry are flagged within the DEAP software to assist you with the correct data entry. There are 2 types of validations – 'Survey validations' and 'NAS validations'.

Please review all error and warning notifications prior to the publication of your BER to ensure the data you have entered is correct. It is not possible to flag all errors or potential errors, so it is important that you check all fields and ensure the data entered is correct even if no warnings or errors are flagged within the software.

Where 2 validations apply – only 1 will appear at a time

What happens and what order are they displayed

Survey Validation

New validations have been added to the user interface in DEAP to assist you with data entry as you work through the assessment. There are 2 types of flags – warnings and errors.

lcon	Flag Type	Detail
		This appears on the vertical primary tabs down the left-hand side of
		the screen and on the secondary tabs along the top of the screen to
		direct you to review the data entered.
•	Warning	This flags a potential anomaly in the data entered or flags important
		information in relation to the data field.
		Warnings should be reviewed prior to publishing the assessment. It is
		possible to publish an assessment with warnings.



	Warning	When you hover over the information icon you can further information
÷	tooltip	regarding the warning
		This appears on the vertical primary tabs on the left-hand side of the
•	Error	screen and on the secondary tabs along the top of the screen to direct
		you to a potential error in the data entered.
		Errors must be corrected in order to publish the assessment
0	Error tooltin	When you hover over the information icon you can further information
Q	Error tooitip	regarding the error.

The survey validations can also be reviewed on completion of the survey. To view a summary of all validations, you can click on the Advisory report icon.

۲	My Portal	Survey Validation
₽	Survey Details	A number of validation errors and warnings on the following sections of the survey need to be resolved before publishing:
ه	Building	Ruilding
- 5 -	Ventilation	
൭	Space Heating	
•	Water Heating	space Healing
*	Space Cooling	Pumps and Fans
Q	Lighting	Water Heating
1	Renewables	Options & Storage
11.	Results	Ventilation
Ð	Evidence	 Structural Air Tightness
≓×́	Advisory Report	CLOSE

Building	When you click on the blue arrow, you will be taken to the relevant tab
Roofs	to review the data entered.

The warnings flag potential errors. You should check the warnings to ensure the data entered is correct and if it is correct, you can continue to publish the BER with the warnings in place by clicking on 'Ignore warnings and continue'.



Survey Validation		×
Please review the warnings on the following sections of	the survey:	
Building		
• Roofs 📀		
Space Heating		
Pumps and Fans		
	CLOSE	IGNORE WARNINGS AND CONTINUE

The 'ignore warnings and continue' will trigger the following message

ŋ	Advisory Report	×
	Before you access the Advisory Report system, this assessment needs to continue, the survey data will be validated before uploading.	be sent to NAS. If you
	CLOSE	CONTINUE

BER Validation

Clicking continue will prompt further BER validations. These are existing validation checks in NAS.

BER Validation ×
Your Building Energy Rating (BER) submission has not been processed for the following reasons:
() 003 MPRN number is mandatory for Final BER Certificates
005 Invalid or missing MPRN Number on a Final submission
The validation has also returned notices listed below. You should carefully review the validation notice(s) and ensure that any adjustments necessary are made prior to publication.
() 076 Gas space heating system with no gas boiler flue fan specified
143 You have selected a default thermal mass category of medium please ensure that you are compliant with DEAP manual Appendix S10 and/or DEAP manual Table 11.
024-2 Exposed Roof U Value differs from default U Value on N areas for Existing. Non default u values must be calculated in accordance with the relevant standards. With reference to the DEAP Survey Guide, ensure that all non default U values are fully substantiated
(1) 025-2 Exposed Wall U Value differs from default U Value on 1 areas. Ensure that all non default U values are fully substantiated
CLOSE

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There has been no change to the existing NAS validations. Some of the 'Send to NAS' errors and warnings have been moved into the user interface to assist with data entry. They will also appear when you send the survey to NAS.

All BER validations are detailed here.

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