

DEAP 4 Software user interface updates

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.

Last Updated	Description	Dwelling Address	Type	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.

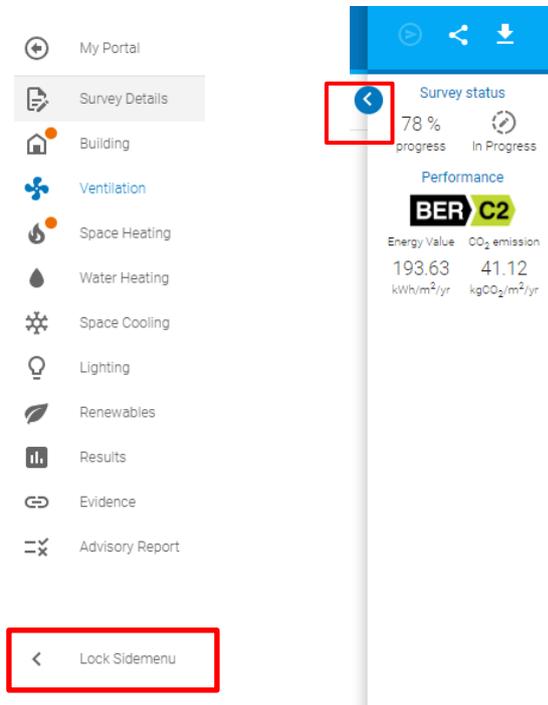
2. GENERAL UPDATE - Better highlighting across the application

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.

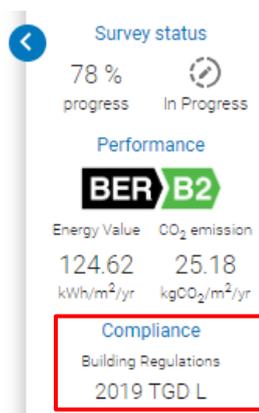
4. GENERAL UPDATE - Button to open/close assessment tab and left tab pop out



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.

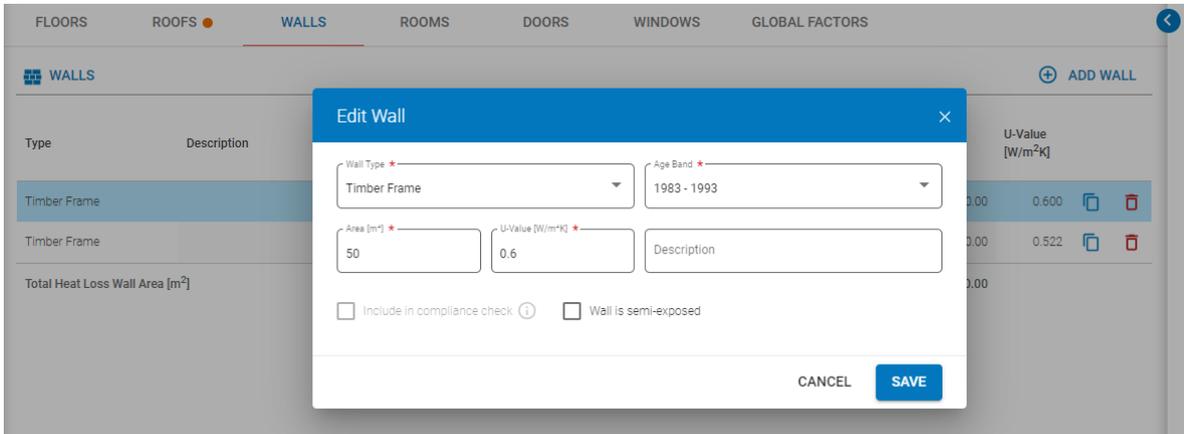
5. GENERAL UPDATE – TGD L check displayed

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



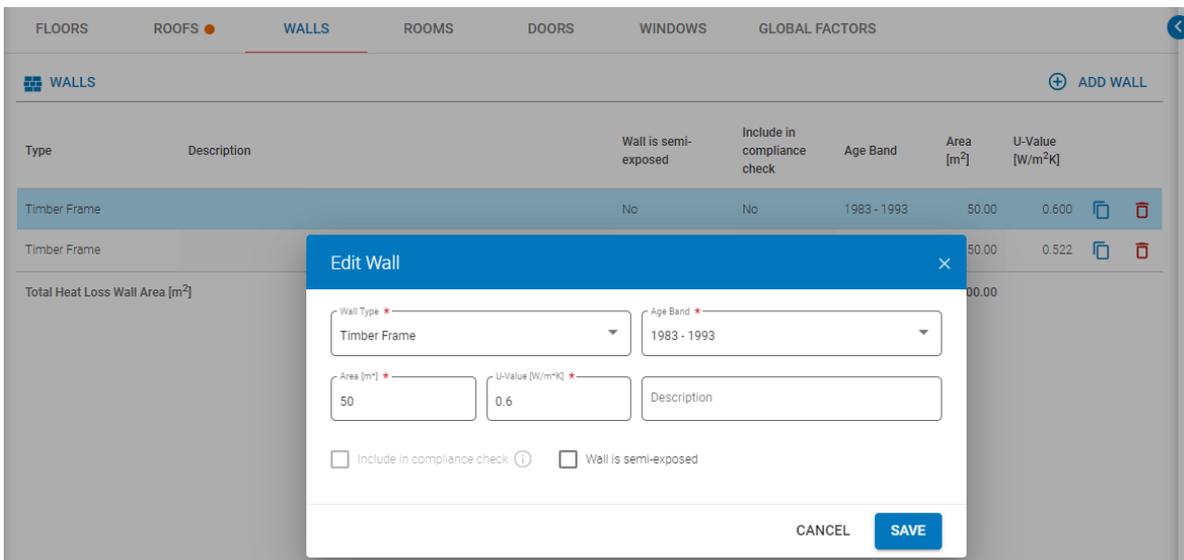
6. GENERAL UPDATE - Highlighting a selected object behind a pop-up box

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



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.



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.

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.

Type	Description	Wall is semi-exposed	Include in compliance check	Age Band	Area [m ²]	U-Value [W/m ² K]
Timber Frame		No	No	1983 - 1993	50.00	0.600
Timber Frame		Yes	No	1983 - 1993	50.00	0.522
Total Heat Loss Wall Area [m ²]					100.00	

10. BUILDING TAB – Display of dwelling volume

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

Storey	Type	Description	U/F Heating	Compliance Check	In Roof	Age Band	Exposed Perim. [m]	Area [m ²]	U-Value [W/m ² K]
1	Ground Floor - Solid	Ground Floor	No	No	No	1983 - 1993	20.00	50.00	0.570
2	Non-Heat Loss Floor	First Floor	No	No	No	1983 - 1993		100.00	0.000
Total Floor Area [m ²]								150.00	
Total Heat Loss Floor Area [m ²]								50.00	
Dwelling Volume [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.

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.

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).

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

Type	Manufacturer	Model	Seasonal Efficiency [%]	Efficiency Adj. Factor	Fuel Type	Daily Operation [h]	Heats space
Default gas boiler (including LPG) 1998 or later - Condensing (including combis) with automatic ignition	Any	Any	83.00	0.95	Mains Gas		Yes

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.

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

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

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.

Count	Room	Name	Description	Type	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			
1		Mixer Shower - Unvented hot water system		Mixer	Unvented hot water system	No	11.00		

19. RENEWABLES New layout of the Renewables tab

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

Renewable Type	ENERGY PRODUCED OR SAVED				ENERGY CONSUMED			
	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 Emmission Factor [kg/kWh]
This list is empty.								

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

Add Renewable ✕

Renewable Type *
 Electrical (Solar PV/Wind)

ENERGY PRODUCED OR SAVED	ENERGY CONSUMED
Technology/Comment *	Technology/Comment
<div style="display: flex; justify-content: space-between;"> Delivered Energy [kWh/y] ⓘ Part L Total Contribution [kWh... ⓘ] </div>	<div style="display: flex; justify-content: space-between;"> Delivered Energy [kWh/y] CO₂ emission factor [kg/kWh] </div>
Fuel Type Electricity	Primary energy conversion factor

CANCEL
SAVE

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



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

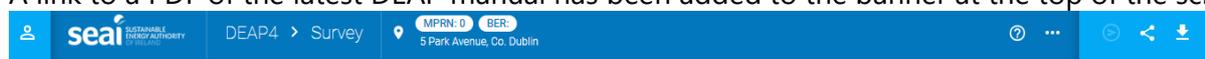
Tooltips

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

Icon	Flag Type	Detail
	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.



Icon	Access	Detail
	DEAP Manual	To access the DEAP manual, you can simply click on the icon with the question 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

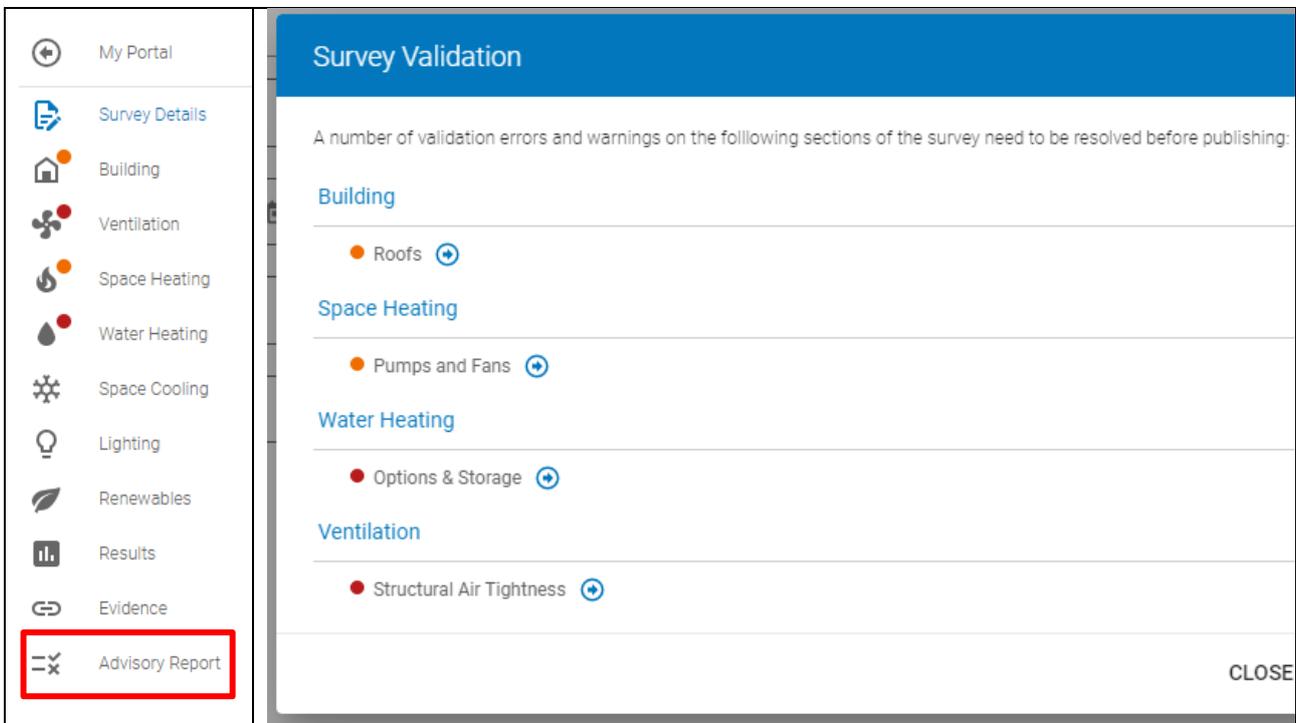
Survey Validation

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.

Icon	Flag Type	Detail
	Warning	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. 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 tooltip	When you hover over the information icon you can further information regarding the warning
	Error	This appears on the vertical primary tabs on the left-hand side of the 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
	Error tooltip	When you hover over the information icon you can further information 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.



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

Advisory Report ✕

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

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
- ⓘ **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

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](#).