Test Results

ENSEK Test System

Test execution date: 2024-11-03

[Introduction 2](#_Toc181565088)

[Test Scope 2](#_Toc181565089)

[Test Environment 2](#_Toc181565090)

[System Under Test (SUT): 2](#_Toc181565091)

[Hardware: 2](#_Toc181565092)

[Operating System: 2](#_Toc181565093)

[Browser: 2](#_Toc181565094)

[Test Configurations 3](#_Toc181565095)

[Tools 3](#_Toc181565096)

[Legend 3](#_Toc181565097)

[Test Results 4](#_Toc181565098)

[TT-02 Buy Energy page 4](#_Toc181565099)

[TT-02-03 Buy Energy page content 4](#_Toc181565100)

[Test Case TC-02-03-01 – “Buy Energy” page content 4](#_Toc181565101)

[TT-12 Buy energy scenario 9](#_Toc181565102)

[TT-12-01 Buy energy with valid required number of units 9](#_Toc181565103)

[Test Case TC-12-01-01 Buy energy with “Number of Units Required” that is a positive integer number, smaller than the “Quantity of Units Available” 9](#_Toc181565104)

[TT-12-02 Buy energy with invalid required number of units 10](#_Toc181565105)

[Test Case TC-12-02-04 Buy energy with “Number of Units Required” that is a negative value 10](#_Toc181565106)

# Introduction

The Test Results document is a result of a single Test Case execution against the **ENSEK Test System** as described in the Task 2 of the [ENSEK QA EXERCISE v6 2 3 - mid-level Ryan Web.pptx](ENSEK%20QA%20EXERCISE%20v6%202%203%20-%20mid-level%20Ryan%20Web.pptx)

# Test Scope

Three random test cases out of 72 defined in the <ENSEK-TestPlan.docx>

* TC-02-03-01 – “Buy Energy” page content
* TC-12-01-01 – Buy energy with “Number of Units Required” that is a positive integer number, smaller than the “Quantity of Units Available”
* TC-12-02-04 – Buy energy with “Number of Units Required” that is a negative value

The tests will be executed on one configuration only

# Test Environment

### System Under Test (SUT):

The tests were executed against the **ENSEK Test System** available at:

<https://ensekautomationcandidatetest.azurewebsites.net/>

### Hardware:

MacBook Pro 16-inch, 2023 - **MacBook**

### Operating System:

macOS Sonoma Version 14.6.1 (23G93) - **Sonoma**

### Browser:

Mozilla Firefox Version 132.0 - **Firefox**

# Test Configurations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Configuration name** | **Browser** | **Hardware** | **Operating System** |
| 1 | Firefox-MacOS | Firefox | MacBook Pro | Sonoma |

# Tools

The tests were executed manually. No additional tools were required.

# Legend

Test Result: PASS ✅

Test Result: FAIL ❌

Test Result: Warning⚠️

Test Result: Unknown❓

Test Result: N/A

# Test Results

## TT-02 Buy Energy page

### TT-02-03 Buy Energy page content

#### Test Case TC-02-03-01 – “Buy Energy” page content

***Test Result:*** FAIL ❌

***Expected and Actual results:***

* ✅ The “Buy Energy” page is displayed
  + ✅ The title of the page starts with “Buy”

A screenshot of a phone

Description automatically generated

* + ✅ The header of the page is “Buy Energy”

A close up of a sign

Description automatically generated

* + ✅ The URL contains “/Buy”



* ✅ The main menu of the page contains: “ENSEK” image as well as “Home”, “About”, “Contact”, “Register, “Log in” menu items



* ✅ There is a list of Energy Types, Prices, Quantity of Units Available, Number of Units Required and “Buy” action for each type of energy

A screenshot of a number

Description automatically generated

* ✅ For each type of energy, if the Quantity of Units Available is greater than zero then the Number of Units Required is editable, otherwise the “Not Available” label is displayed

A screenshot of a number

Description automatically generated

* ✅ There is ‘Reset’ button visible and enabled

A close-up of a person's hand

Description automatically generated

* ✅ There is a link “Back to home page”

A blue text on a white background

Description automatically generated

* ✅ There is a “[For Candidate Testing Purposes Only]” clause on the page

A close-up of a logo

Description automatically generated

* ❓ The description of the page is understandable

*Actual results:*

1. ❓ What is the trading window, what time it is open/closed?

A black text on a white background

Description automatically generated

1. ❓ How the offered discount is applied

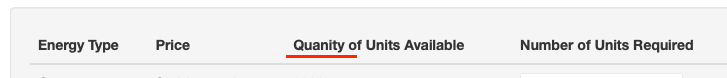
A red circle with black text

Description automatically generated

* ❌ There are no spelling mistakes on the page

*Actual results:*

1. ❌ There is Quanity instead of Quantity



2. ❌ There is a missing comma and a full stop

*Actual result:*

The time is 5:28 PM on Sunday and the trading window is open

*Expected result:*

The time is 5:28 PM on Sunday**,** and the trading window is open**.**

3. ❌ Misspelled word and a missing full stop

*Actual result:*

select the quantity you want and press **that** buy button

*Expected result:*

select the quantity you want and press **the** buy button.

* ✅ There are no overlapping labels or fields

A screenshot of a computer

Description automatically generated

* ⚠️ The page layout, style, fonts and colours are correct

*Actual results:*

1. ⚠️ Web elements are not inline
2. ⚠️ There are different row heights of each energy type

A screenshot of a computer screen

Description automatically generated

* ✅ The page loads within max a couple of seconds

*Actual result:*

~ 1 sec

* ✅ There are no errors in the browser console

***A screenshot of a computer

Description automatically generated***

### TT-12 Buy energy scenario

### TT-12-01 Buy energy with valid required number of units

#### Test Case TC-12-01-01 Buy energy with “Number of Units Required” that is a positive integer number, smaller than the “Quantity of Units Available”

***Test Result:*** PASS ✅

***Step 1:***

*Expected and Actual results:*

* ✅ The “Buy Energy” page is displayed
  + ✅ The title of the page starts with “Buy”
  + ✅ The header of the page is “Buy Energy”
  + ✅ The URL contains “/Buy”
* ✅ For unavailable energies (“Quantity of Units Available” = 0) the “Buy” button is not displayed and the “Number of Unit Required” is “Not Available”
* ✅ There are no errors in the browser console

***Step 2:***

*Expected and Actual results:*

* ✅ “Sale Confirm” page is displayed
* ✅ The information on the “Sale Confirm” page displays correct values of the type of energy purchased and the number of units requested
* ✅ The information on the “Sale Confirm” page displays a value of the remaining number of units of the purchased energy that is equal to the difference between the original Quantity of Units Available and the Number of Units Required
* ✅ There are no errors in the browser

***Step 3:***

*Expected and Actual results*

* ✅ “Buy Energy” page is displayed
* ✅ “Quantity of Units Available” for the given energy type has the same value as in the “Sale Confirmed” page
* ✅ If the “Quantity of Units Available” has been reduced to zero, the “Buy” button is not displayed and the “Number of Unit Required” is “Not Available”

### TT-12-02 Buy energy with invalid required number of units

#### Test Case TC-12-02-04 Buy energy with “Number of Units Required” that is a negative value

***Test Result:*** FAIL ❌

***Step 1:***

*Expected and Actual results*

* ✅ The “Buy Energy” page is displayed
  + ✅ The title of the page starts with “Buy”
  + ✅ The header of the page is “Buy Energy”
  + ✅ The URL contains “/Buy”
* ✅ There are no errors in the browser console

***Step 2:***

*Expected and Actual results:*

* ❌ The purchase is unsuccessful

*Actual results:*

1. The application allowed to purchase negative number (-100) of units of Gas

A screenshot of a message

Description automatically generated

* ❌ The error message is displayed, and formatted for a user

*Actual results:*

1. ❌ Error message was not displayed. Application confirmed successful transaction

* ❓ The error message clearly describes the reason of the failure for a user and acceptable values

*Actual results:*

1. ❓ Error message was not displayed

* ❌ The “Quantity of Units Available” on the “Buy Energy” page has not changed.

*Actual results:*

1. ❌ The number of available units increased from 3000 to 3100

A screen shot of a computer

Description automatically generated