

# Contents

Authorization Levels ..... 2

Login Screen ..... 3

Home Screen ..... 5

Vehicle Management Screen..... 6

User Management Screen..... 8

Program Settings Screen..... 10

Report Screen ..... 16

New Measurement Screen ..... 18

Calibration Procedure..... 21

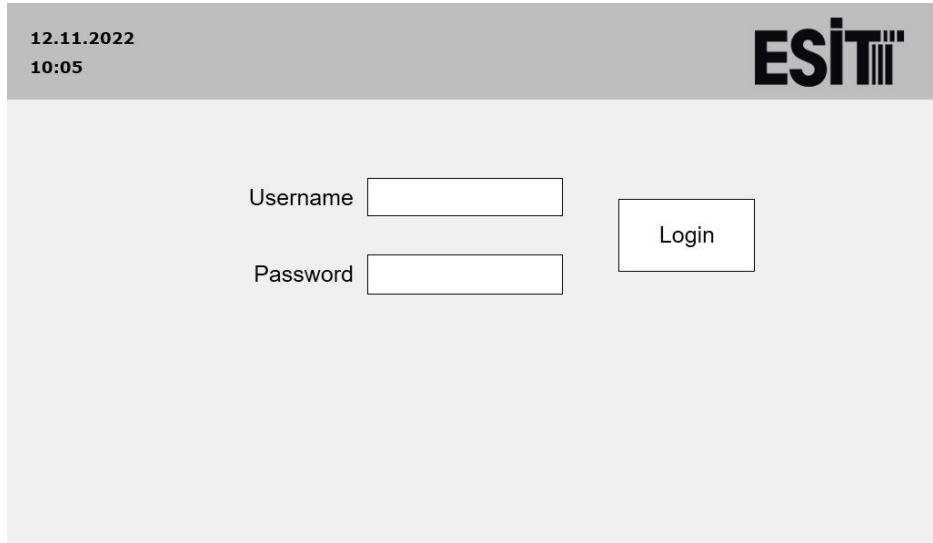
## Authorization Levels

There are two user authorization levels in the system:

**Operator:** Users at this level can only measure and take measurement reports.

**Admin:** In addition to the operator's authority can manage to change the System settings, calibration, language, measurement unit settings, user and tool to add, edit, delete operations.

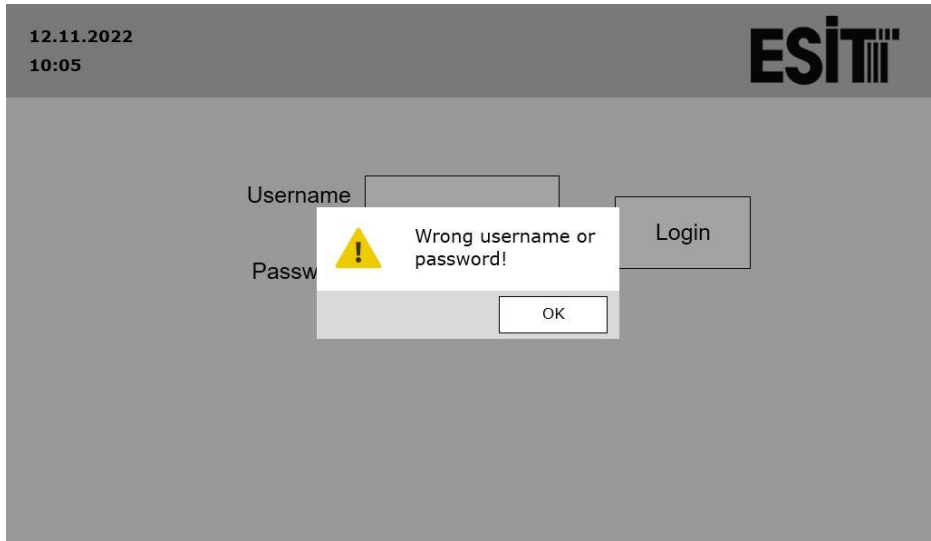
## Login Screen



The screenshot shows the login interface of the ESiTi Aircraft Weighing System Software. At the top, a grey header bar contains the date and time '12.11.2022 10:05' on the left and the ESiTi logo on the right. The main area is light grey and contains two input fields: 'Username' and 'Password', each followed by a white text box. To the right of these fields is a white 'Login' button. The entire interface is enclosed in a thin black border.

In order to use the application, it is necessary to enter as authorized or operator. Registered and active user; enters the user name and password in the respective fields with the help of the virtual keyboard and enter the system by pressing the Login button. The user name and password that are verified by the system will be redirected to the Home Screen.

Users whose information has not been verified will encounter an error as follows:



## Home Screen

12.11.2022  
10:05

ESiTi

Exit Exit

**Admin Operations**

Vehicle Management User Management Program Settings

**Measurement**

New Measurement Report


According to the authorization level of the logged-in user, only the Operator Group is available for the Measure Group and Exit Button, and the Admin Operations group is available for the Admin level. Exit button ends the current session and returns to the Login Screen.

- **Admin Operations**
  - Vehicle Management: Displays the Vehicle Management Screen.
  - User Management: Displays the User Management Screen.
  - Program Settings: Displays the Program Settings Screen.
- **Measurement Operations:**
  - New Measurement: Displays the Aircraft Selection Screen for new measurement.
  - Report: Displays the Report Screen.

## Vehicle Management Screen

12.11.2022

10:05



VEHICLES

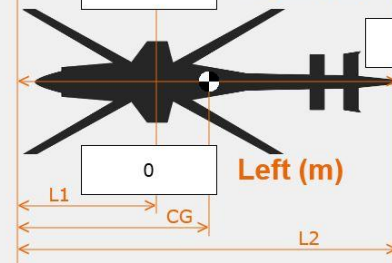
Atak

Vehicle Name

Atak

0

Right (m)



0

Left (m)

0

Tail (m)

Save

New

Delete

Close

This screen displays the aircraft registered in the system and their management is provided.

### Adding New Air Vehicle:

Clicking the New button will reset the screen. Use the virtual keyboard to fill in Aircraft Name, Right, Left and Tail length information in meters and click Save button.

### Deleting an Existing Aircraft:

Click on **Delete** button to select the desired aircraft to be deleted from the Registered Air Vehicles list.


**Issues to Consider when Adding an Aircraft:**

1. The Aircraft Name field is mandatory. Otherwise a “Vehicle informations can not be empty!” Error is displayed. System does not record.
2. Fields of arm lengths are mandatory. Otherwise a “Vehicle informations can not be empty!” Error is displayed. System does not record.
3. When adding a new vehicle, the value of the Aircraft Name cannot be the same name as a previously added aircraft. Otherwise, “Vehicle name in system available“ error.


## User Management Screen

12.11.2022

10:05



USERS

 Esit

Name

Username

Password

Password Again

Has Admin Rights?

☒

Is Active?

☒

Save

New

Delete

Close

On this screen, users in the system can be viewed and managed. Users' authorization levels are understood by the icon shown before the user name in the Registered User list.



: **Admin User**



: Is Displayed as **Operator User**.

The Fields shown on the screen are as follows:

- **Name:** Real name of the user (Ahmet Doğru)
- **User Name:** The user name that the user needs to use the system.
- **Password:** The password of the User.
- **Admin authorization:** If selected, the user is assigned with Admin privilege described in the User privileges section, otherwise Operator privileges are assigned.



- **Active?:** If selected, the user can use the system, otherwise the system cannot login.

### **Adding a New User:**

Clicking the New button will reset the screen. Use the Virtual Keyboard to fill in the fields and click the Save button.

### **Modify existing User information:**

The desired user to be modified is selected from the list of registered users and Save button is clicked.

### **Delete a User:**

By selecting the desired user to be deleted from the list of registered users the field “Active?” is deselected. Click Save button.

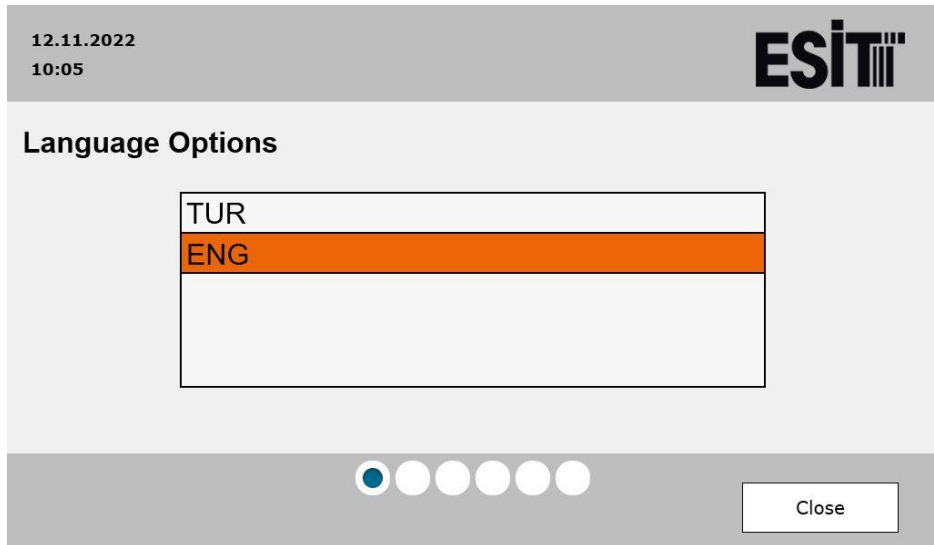
### **Issues to consider when Adding and Updating users:**

1. Name, Username, Password and Password Again fields are mandatory. Otherwise, “User informations can not be empty” error is displayed. System does not record.
2. Values of both password fields must be identical. Otherwise, “Passwords do not match” error is displayed. System does not record.
3. When adding a new user, the selected user name cannot be the same as an existing user name on the system. Otherwise, “Username registered in system” error occurs.
4. The user name cannot belong to another user registered in the system while the user is updating. Otherwise, “Username registered in system” error occurs.

## Program Settings Screen

The Program Settings screen consists of the following tabs:

- **Language Options**



The system language can be changed on this tab. The change is made instantaneously, no need to restart.

- Optional Fields

12.11.2022  
10:05

ESiTi

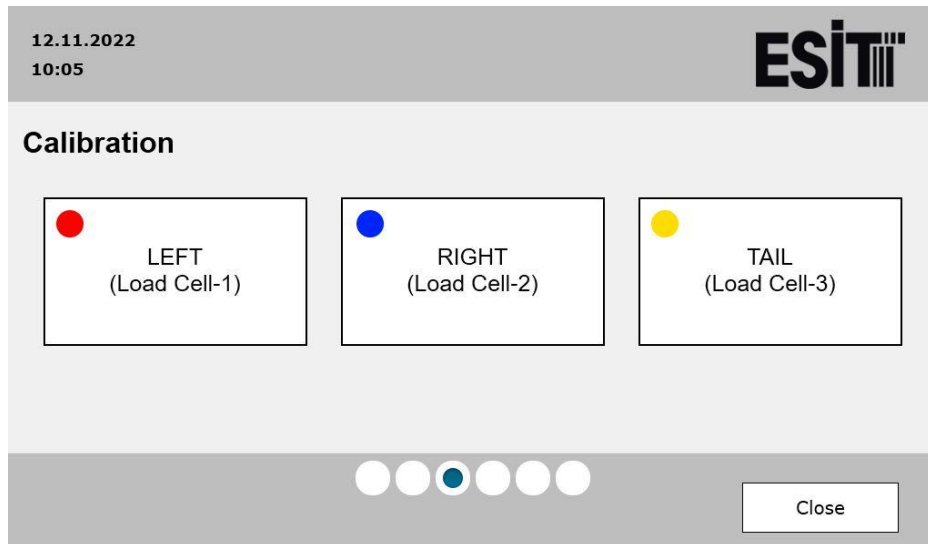
Optional Fields

Field	Label	Active?	Mandatory?	Field	Label	Active?	Mandatory?
Field 1:	<input type="text" value="Alan1"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Field 3:	<input type="text" value="Alan3"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Field 2:	<input type="text" value="Alan2"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Field 4:	<input type="text" value="Alan4"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Close

A total of 4 optional fields are assigned to the user in the Measurement Screen. Label information for these fields is updated from this screen. The field is displayed on the measurement screen when the Active feature of the corresponding field is selected. When Mandatory is selected, it is mandatory to fill in during measurement.

- Calibration




Calibration tab contains three buttons to select the platform to be calibrated.

*NOTE: Calibration procedure will be described in the Calibration section. (Page 21)*

- **Clock & Date Settings**

12.11.2022  
10:05



### Clock & Date Settings

10

10

Save Time

01

01

2023


Save Date

Close

The date and time must be entered in the relevant boxes and then save.

- **Other Settings**

12.11.2022  
10:05



### Other Settings

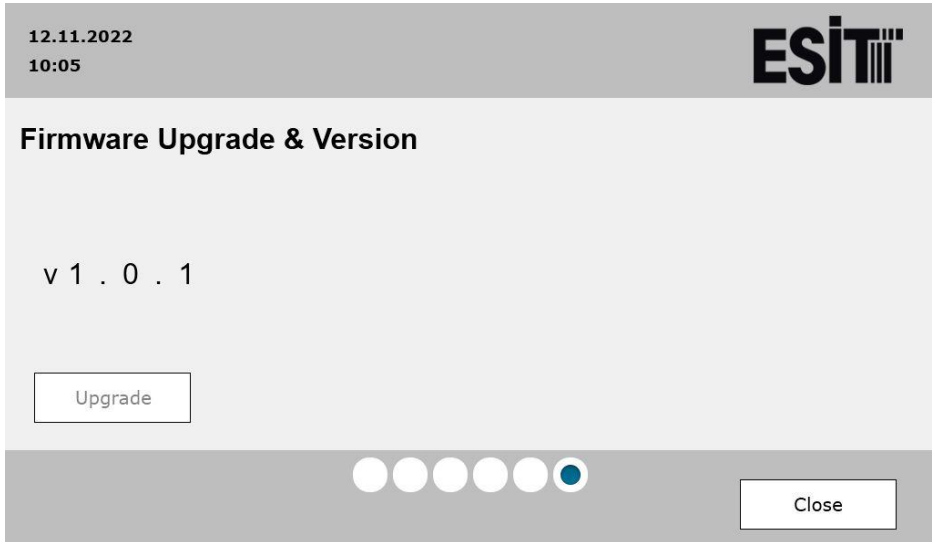
Step Value:

Weighing Unit: ☒ Metric (kg)  
☐ Imperial (lb)

Close

Step value and weight unit are selected in this screen. When exiting the screen, the values change momentarily. No restart required.

- **Firmware Upgrade & Version**



The screen that shows the version of the application and includes the button that starts the firmware upgrade. Firmware upgrade can only be done by Esi.

## Report Screen

12.11.2022  
10:05

ESiTi

Start Date	End Date	Operator	Vehicle Type	
12.11.2022	12.11.2022	All	All	Report

Record Date	Operator	Vehicle	Total Weight
-------------	----------	---------	--------------

<-Previous Page

Next Page->

Export

Close

It is the screen where date-based reports that are made in the system, makes printouts and re-print measurement receipt.

**Start and End Date:** Used to filter measurements made between two dates (including the two dates).

**Operator:** Filter by measuring operator.

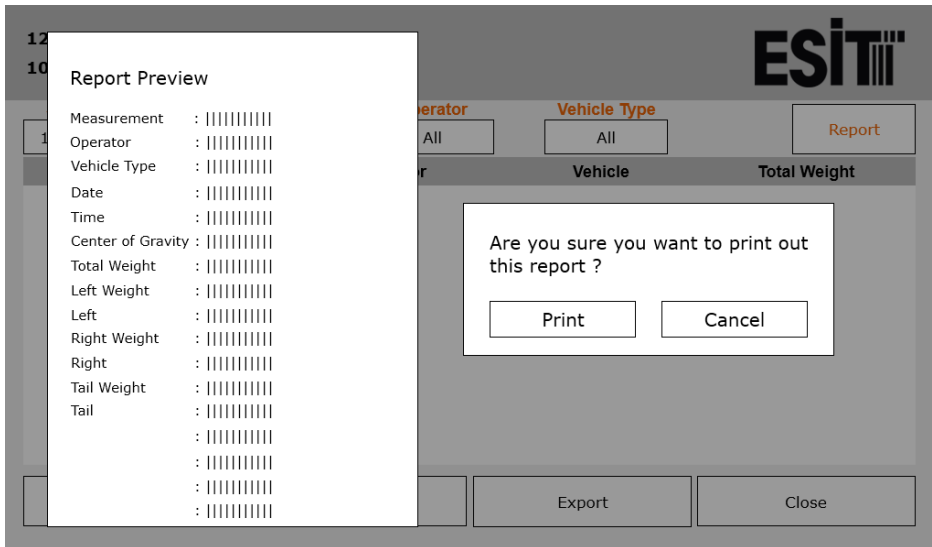
**Vehicle Type:** Aircraft registered to the desired system can be selected to report the measurements made in the relevant date range.

**Operator:** Measurements made by the relevant operator are listed between relevant dates.



The buttons on the screen perform the following operations:

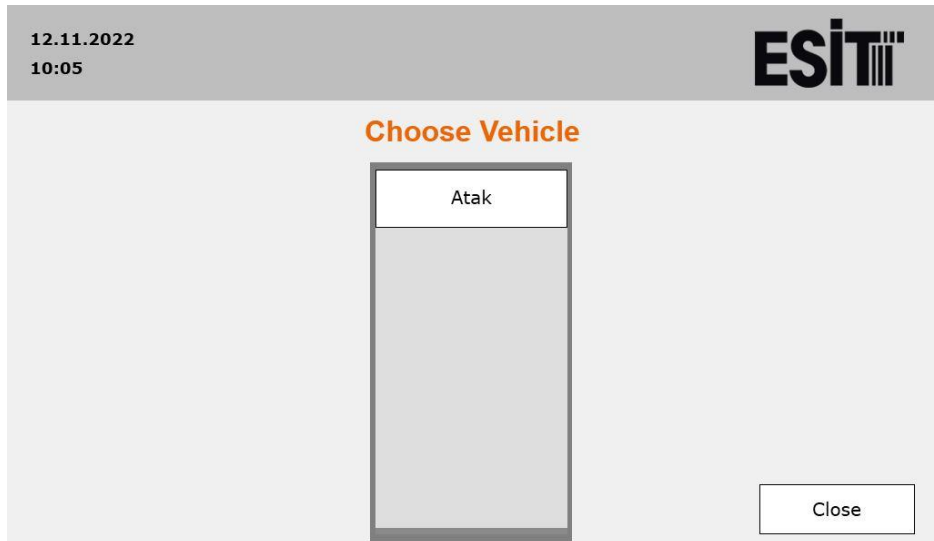
- **Export Button:** Initiates the procedure for transferring the information in the report area to USB in CSV format.
- **Next Page Button:** The report screen moves to the next page in the list.
- **Previous Page Button:** The report screen moves to the previous page in the list.
- **Close Button:** Turns off the display to return to the Home screen.



When you press the desired record in the list, report preview and printing confirmation question appear on the screen. Printing is done with the Print button.

## New Measurement Screen

Pressing the New Measure button on the Home Screen will display the Aircraft Selection Screen.



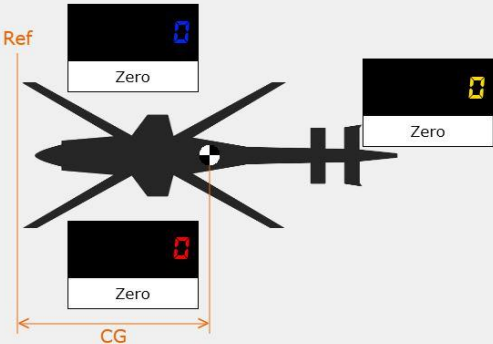
This screen lists all the Aircraft registered in the system. The Measurement Screen is displayed by double-clicking on the selected Aircraft or by choosing it from the list.

12.11.2022

10:05

# ESİTİM

VEHICLE NAME:Atak



Alan1:

Alan2:

Alan3:

Alan4:

Center Of Gravity (m)

0

Total Weight (kg)

0

Save

Close

Data received from the platforms according to the aircraft information selected in the previous screen is displayed on the screen next to the corresponding arms. Based on this data;

- Total Weight: Displays the total of 3 platforms.
- Center of Gravity (CG) : Indicates the basic center of gravity calculated with the arm lengths and weight information.

Three reset buttons on the display pull the corresponding platform to 0 (zero).

The TAIL NO and OPERATOR fields are the Optional Settings as previously specified. Operations can be done on the related screen.

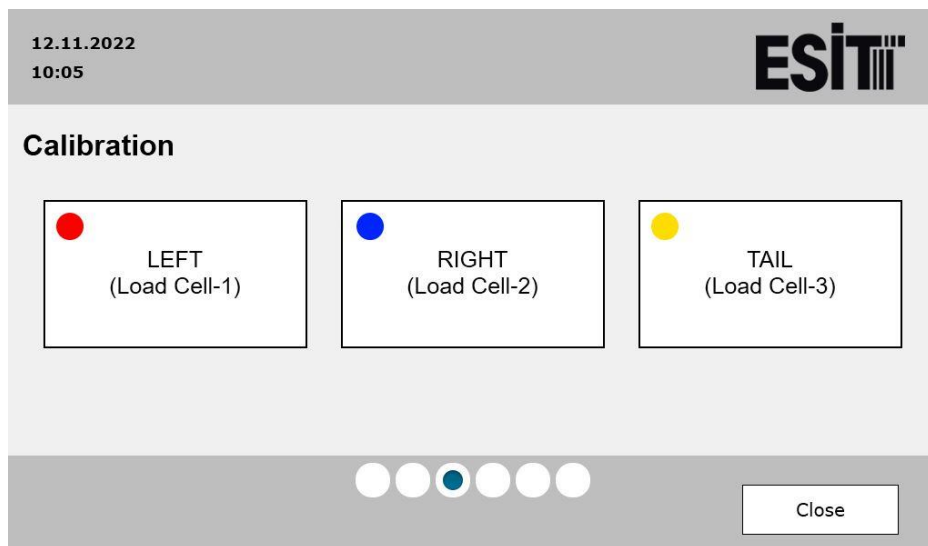
When the system becomes stable, the inactive Save button is activated. If the weight changes during the measurement, this button is deactivated until the system becomes stable again.

The fields specified as in input required as "mandatory" must be filled in the optional field settings.

When the Save button is pressed, the measurement receipt is printed by saving to the measurement database.

## Calibration Procedure

The platform to be calibrated will be selected when the Calibration tab is active in the Program Settings Screen.



Calibration for the selected platform consists of four steps.

- **Step 1:** This is the initial step. In this step, a known weight is loaded onto the platform and the Continue button is pressed.

12.11.2022  
10:05

ESi™

Please load the platform and press "Continue".

0

Continue

Load : 0  
Zero : 0

Close

- **Step 2:** Unload the platform and the Continue button is pressed.

12.11.2022  
10:05

ESi™

Please empty the platform and press "Continue".

0

Continue

Load : 0  
Zero : 0

Close

- **Step 3:** In this step, known weight in KG is written in the box and the Calibrate button is pressed.

12.11.2022  
10:05

ESi™

Please enter the calibration value.

Calibrate

Load : 0  
Zero : 0

Close

- **Step 4:** It is the feedback step. If the calibration is complete, the Calibration completed message will be displayed. After a while, the calibration screen closes automatically.

12.11.2022  
10:05

ESi™

Factory calibration was done.

Load : 0  
Zero : 0

Close

