Setup manual for

Standard Excel file

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ICE

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# What is a *Standard Excel file*?

*Standard Excel file* is a Microsoft Excel Worksheet with a very specific format. It is used by *ICE* to import data for further analysis. Columns and rows have strictly defined roles and should contain data according to *Standard.* It is vital that in order to import data into *ICE* each row and column **must be filled** with data, the software does not support importing from an Excel file with missing values. A sample file properly formatted can be found in the GitHub software repository and can be used as a template.

|  |
| --- |
| *IMPORTANT* |
| When using ICE, you can import data from an Excel file only if it has an **.xlsx** extension. To use a file with a different extension, open it in Excel or another program and save it as file with **.xlsx** extension. |

# II. Sample file and template

To get started, you can download the sample file or template of *Standard Excel file* from software GitHub repository by following instructions below.

1. Launch your browser and enter link [*https://github.com/MariuszMalinka/ICE*](https://github.com/MariuszMalinka/ICE)into address bar.

In the central frame of website you can access any file of the software. Among those files there is a *documentation* folder containing sub folders for every major software version.

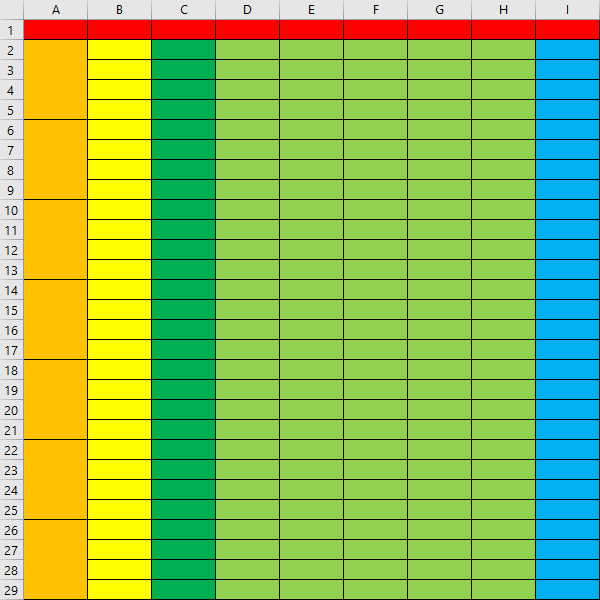
1. Click on the name of *documentation* folder.
2. Click on the folder named after your software version.
3. Download the files you need.

# III. Creating a new *Standard Excel file*

The *ICE* can operate on files regardless of the number of columns, but due to expectation of our customers the *Standard Excel file* format was created. It is composed of one header row, two columns containing date and time, one column made of optimal values for the given input values, five columns made with input values and the last one with comments not interpreted by the software.

To illustrate the appearance of the standard Excel file format, the columns and rows are highlighted in the document with colors as follows:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Red | Orange | Yellow | Green | Light green | Blue |
| Header | Date | Time | Optimal value | Input value | Comments |



*Standard Excel file template with colors*

# IV. Rows and their intended use

In the *Standard* format we can distinguish two main types of rows. The first one is header and the second one is row with values.

|  |  |
| --- | --- |
| **Header** | The first row of Excel is reserved for column names. Column names are important for the user interface. These names are called by the software to request the user to enter input values. The headings are not mandatory to enter, but their comprehensive description makes everything much clearer. Example header names are day, hour, optimal value, input values (5 columns) and comments. |
| **Row with values** | Each row that happened to be next after header |

# V. Columns and their intended use

In the *Standard* format we can distinguish five types of columns.

Date –

Time –

Optimal value –

Input value –

Comments –

# VI. Example *Standard Excel file*

After configuring your file, you can compare it to the example file shown below.

