

# SiusLane

User guide

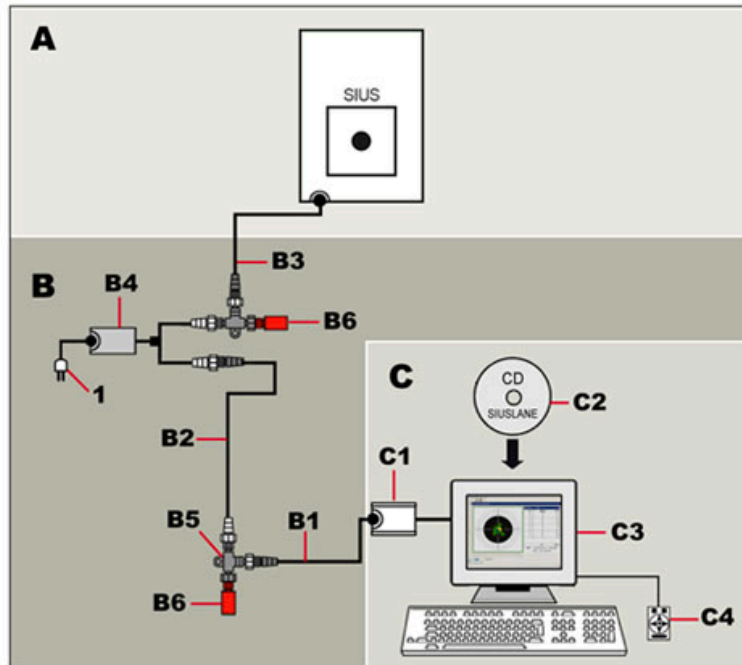
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## SiusLane

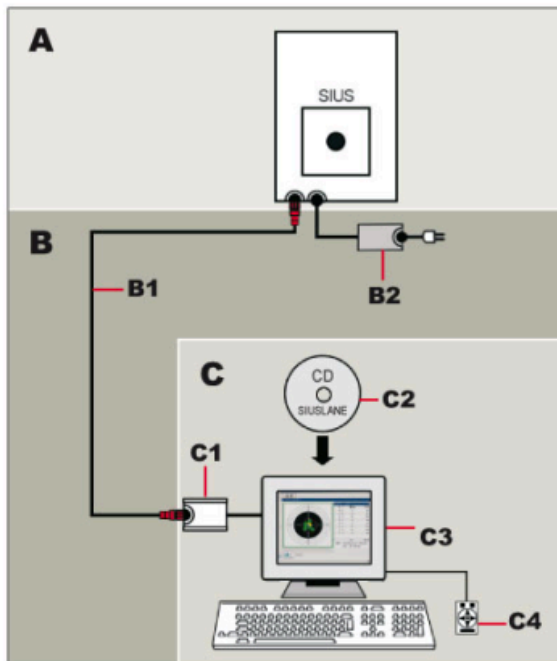
SiusLane offers you a favorable alternative to the SA941 for training at home. With an electronic target from Sius connected to a laptop or PC on which the SiusLane software is running, you are ready for shooting.

Cabling plan version 1:



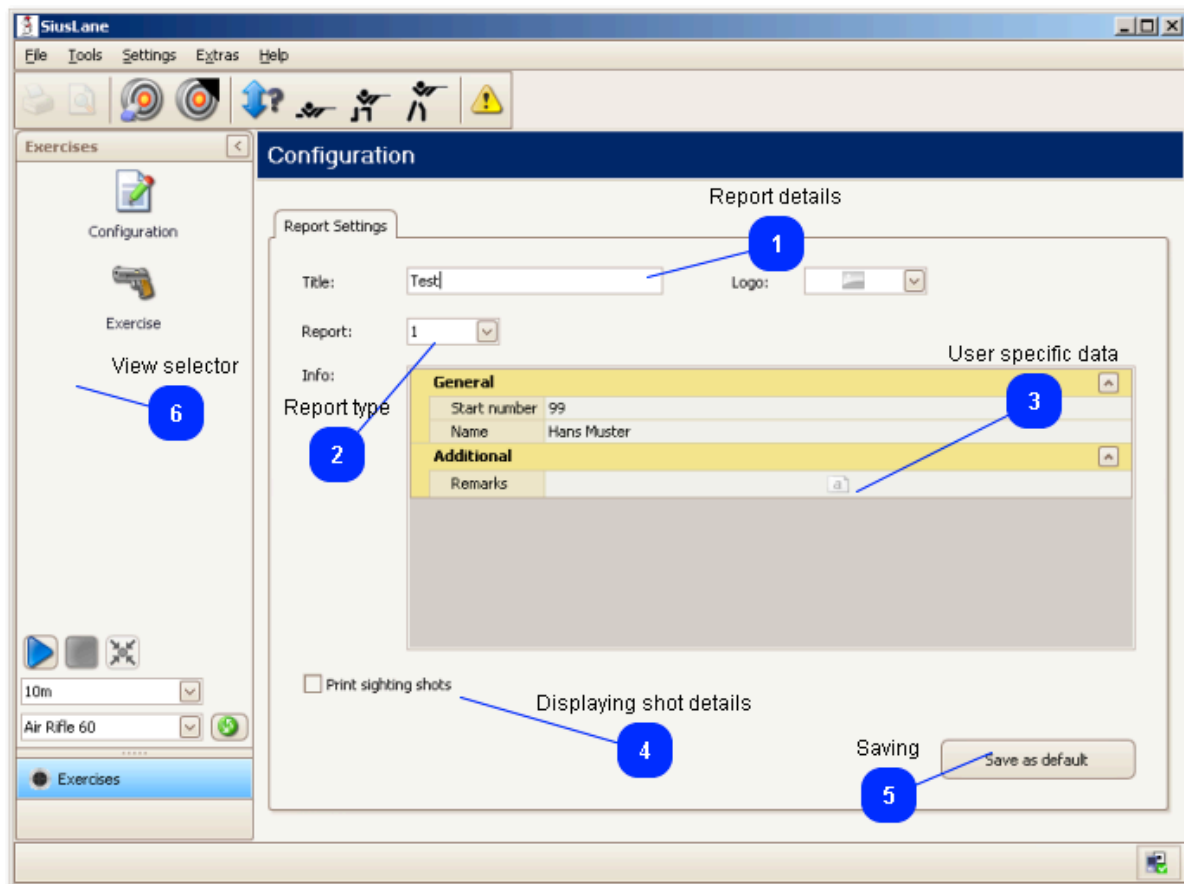
Pos.	Article no.	Pcs.	Description
<b>A</b>	<b>Article group target line</b> (see brochure of corresponding target)		
<b>B</b>	<b>Article group cables and power supply</b>		
B1	KL001-2.0	1	Cable LTW male-fem 2.0m
B2	KL001-20.0	1	Cable LTW male-fem 20.0m (for 10m installation = S10, LS10, HS10)
B2	KL001-40.0	1	Cable LTW male-fem 40.0m (for 25m installation = S25/50)
B2	KL001-65.0	1	Cable LTW male-fem 65.0m (for 50m installation = S10, LS10, HS10, S25/50)
B3	KL003-2.0	1	Cable LTW male-RJ45 2.0m (for target S10; target S25/50 included and installed)
B3	KL001-2.0	1	Cable LTW male-fem 2.0m (for targets LS10, HS10)
B4	AAG200	1	Power supply 100-240V AC
B5	KL001-T	2	T-Adapter fem/fem/male LTW IP67
B6	KL001-R	2	Terminating resistor, red, male LTW IP67
<b>C</b>	<b>Article group firing line</b>		
C1	SNI210	1	USB-LON-Dongle with Software SIUSLANE
C2	SIL001	1	Software SIUSLANE (CD) for data display and evaluation
C3		1	Windows-PC/Laptop with current hardware (on request)
C4	RC211	1	Remote control for SIUSLANE
1	Reference		Country-specific power supply cable > page 2

Cabling plan version 2 (target type HS10) :



Pos.	Article no.	Pcs.	Description
<b>A</b>	<b>Article group target line</b> (see brochure of target HS10)		
<b>B</b>	<b>Article group cables and power supply</b>		
B1	KL011-20.0	1	Cable LTW incl. termination 20.0m (for 10m installation)
B1	KL011-40.0	1	Cable LTW incl. termination 40.0m (for 25m installation)
B1	KL011-65.0	1	Cable LTW incl. termination 65.0m (for 50m installation)
B2	AAG200	1	Power supply 50W with LTW 100–240V AC
<b>C</b>	<b>Article group firing line</b>		
C1	SNI210	1	USB-LON-Dongle incl. software SIUSLANE
C2	SIL001	1	SIUSLANE data acquisition and display software (CD)
C3		1	Windows-PC/Laptop with current hardware (on request)
C4	RC211	1	USB remote control for SIUSLANE
1	Reference		Country-specific power supply cable > page 7

## Configuration view



General settings relating to the report to be printed can be altered in this view.

### 1 Report details

Title:  Logo:

Chose title and logo you want to see within the reports.  
(The logo will be visible on the left side within the report footer.)

### 2 Report type

Report:

This allows you to specify which of the available reports you would like to use for the printout. The type selected here is also used for automatic generation of the report.

### 3 User specific data

General	
Start number	99
Name	Hans Muster
Additional	
Remarks	<input type="text"/>

Fill in the required fields here to supplement the report with additional information.

Any fields which are left blank will not appear in the report.

The entries in this list can vary from customer to customer. (Use the [User data editor](#) to change its content.)

#### 4 Displaying shot details

Print sighting shots

This allows you to specify whether or not sighting shots should be printed in the report.

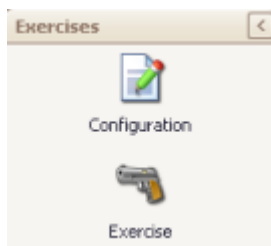
#### 5 Saving

Save as default

The settings you have changed here can be saved as default.

These will be available again the next time the programme is launched.

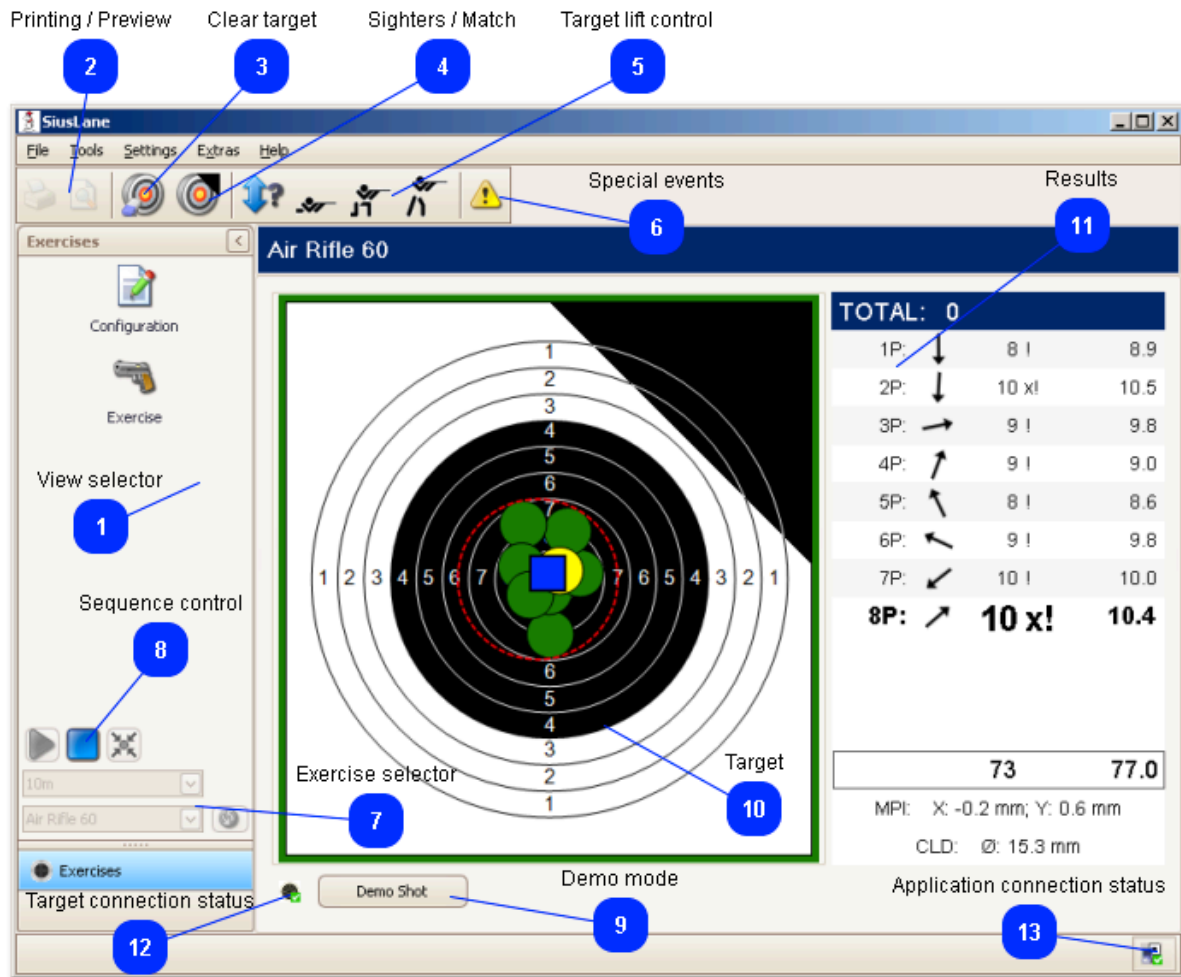
#### 6 View selector



After loading the exercise you can alternate between the Configuration and Exercise view at any time.

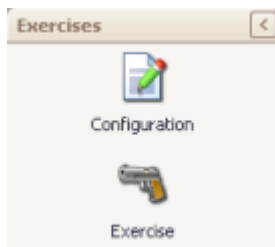
The arrow in the right upper corner allows to show/hide this part of the window.

### Exercise view



This is the main view that you need while shooting. It allows controlling the exercise and provides with an overview of the shooting results. The shots are illustrated on the target image and their values are used to continuously update the parameters. The target image also appears on the printout.

#### 1 View selector



After loading, the exercise can be alternated between the Configuration and the Exercise view at any time.

#### 2 Printing / Preview



After completing an exercise the report can be printed out or displayed in preview mode. Based on the preview you can export the report in various file formats (e.g. pdf, csv, etc.).

### 3 Clear target



Clear the shots on the target.

### 4 Sighters / Match



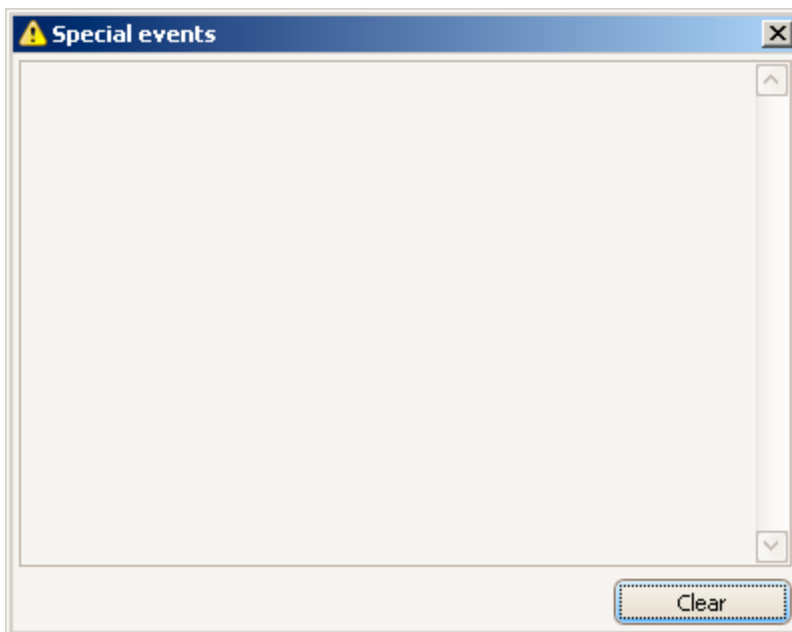
Change from "Sighters" to "Match".

### 5 Target lift control



In case the target system is mounted on a target lift and the target lift is connected, these buttons can be used to calibrate the target lift and to change its position. (Calibrate target lift / Prone / Kneeling / Standing)  
If no target lift connected, the buttons are hidden.

### 6 Special events



In case any special events were appearing (e.g. paper feed failure on the target) this button gets activated.

By pressing "Clear" the content of the window can be cleared.

### 7 Exercise selector



In the drop down list the desired exercise can be selected.



Pushing the green button on the right side loads the selected exercise.

## 8 Sequence control



Start, stop and reset an exercise.

An exercise must be reset after it has been stopped or completed successfully. It can then be restarted.

## 9 Demo mode



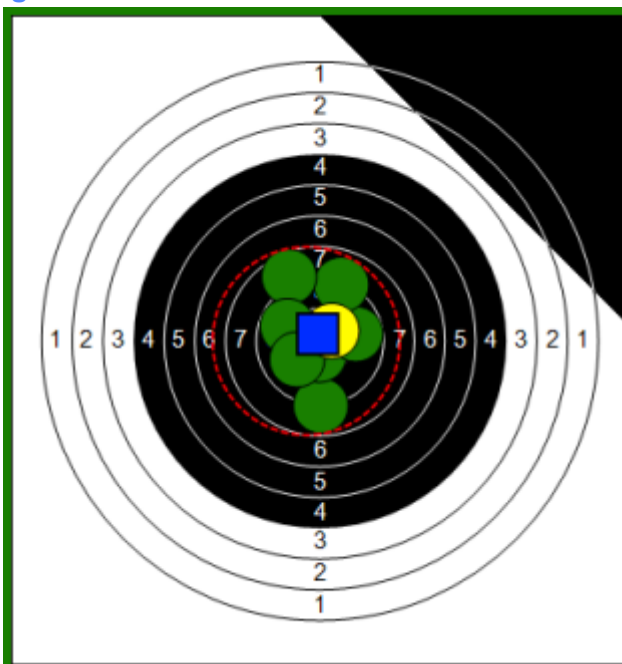
The demo mode can be activated by enabling demo mode within the [Application settings](#)

This mode allows simulating shots at the detection system without actually firing a shot.

Pressing this button requests a shot by the detection system. This feature can be used to check the functionality of the system.

At the same time a demo shot can also be created by clicking with the mouse cursor within the target.

## 10 Target



Shots and calculated parameters are displayed on the target.

Settings relating to the display can be altered by selecting '[Target settings](#)'.

(In case the parameters should not be displayed on the target, set their colour to transparent.)

The orange / green / red coloured border around the target signalise to the shooter whether the application is setup, ready for shooting or not.

## 11 Results

TOTAL: 0			
1P:	↓	8 !	8.9
2P:	↓	10 x!	10.5
3P:	→	9 !	9.8
4P:	↗	9 !	9.0
5P:	↖	8 !	8.6
6P:	↖	9 !	9.8
7P:	↙	10 !	10.0
<b>8P:</b>	<b>↗</b>	<b>10 x!</b>	<b>10.4</b>
<b>73</b>		<b>77.0</b>	
MPI: X: -0.2 mm; Y: 0.6 mm			
CLD: Ø: 15.3 mm			

This list indicates all shots of the current group and based on them the parameters MPI and CLD.  
Furthermore see the totals and subtotals of the exercise.

**12 Target connection status**



Indicate whether SiusEDP is connected to the detection system.  
If a 'not connected' (red) signal appears while the application connection status is green, it can mean that the SiusCommService does not have a valid license for the Lon network or that there's a wiring problem between the computer and the detection system.

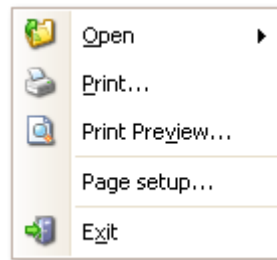
**13 Application connection status**



This symbol indicates whether the application is connected to the SiusCommService.  
If a 'not connected' (red) signal appears, it is to be assumed that the SiusCommService has not been started or that it cannot be found.

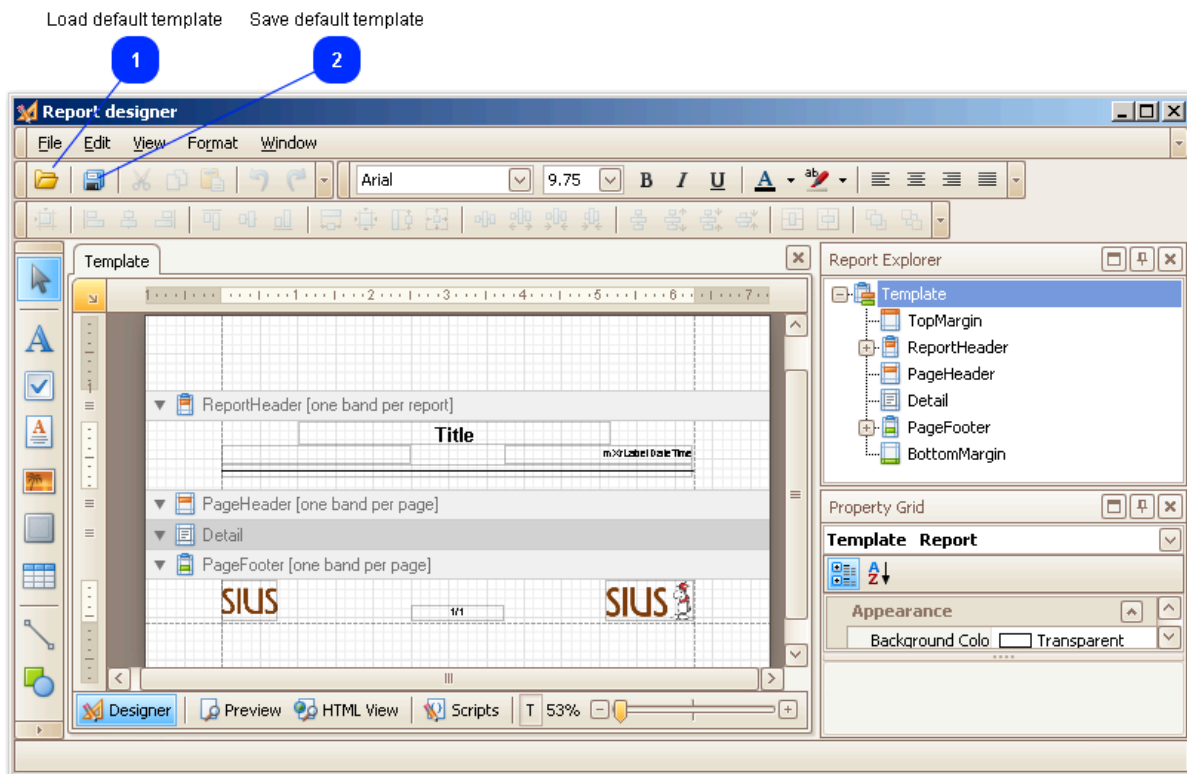
**Main menu**

File View Tools Settings Extras Help

**File**

- Open exercise scenario
- Preview and print the current report
- Page setup
- Exit the application

## Report designer



Within the report designer header and footer, page format and border sizes can be adapted.

As soon as the required changes are done, the template can be saved as the new default template.

All new created reports will base on that new default template.

### 1 Load default template



With this button or the menu entry "File -> Load default template" the predefined report template from SIUS can be loaded.

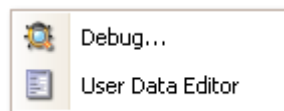
### 2 Save default template



With this button or the menu entry "File-> Save default template" the current visible report can be saved as the new default template.

All new created reports will base on that new default template.

## View

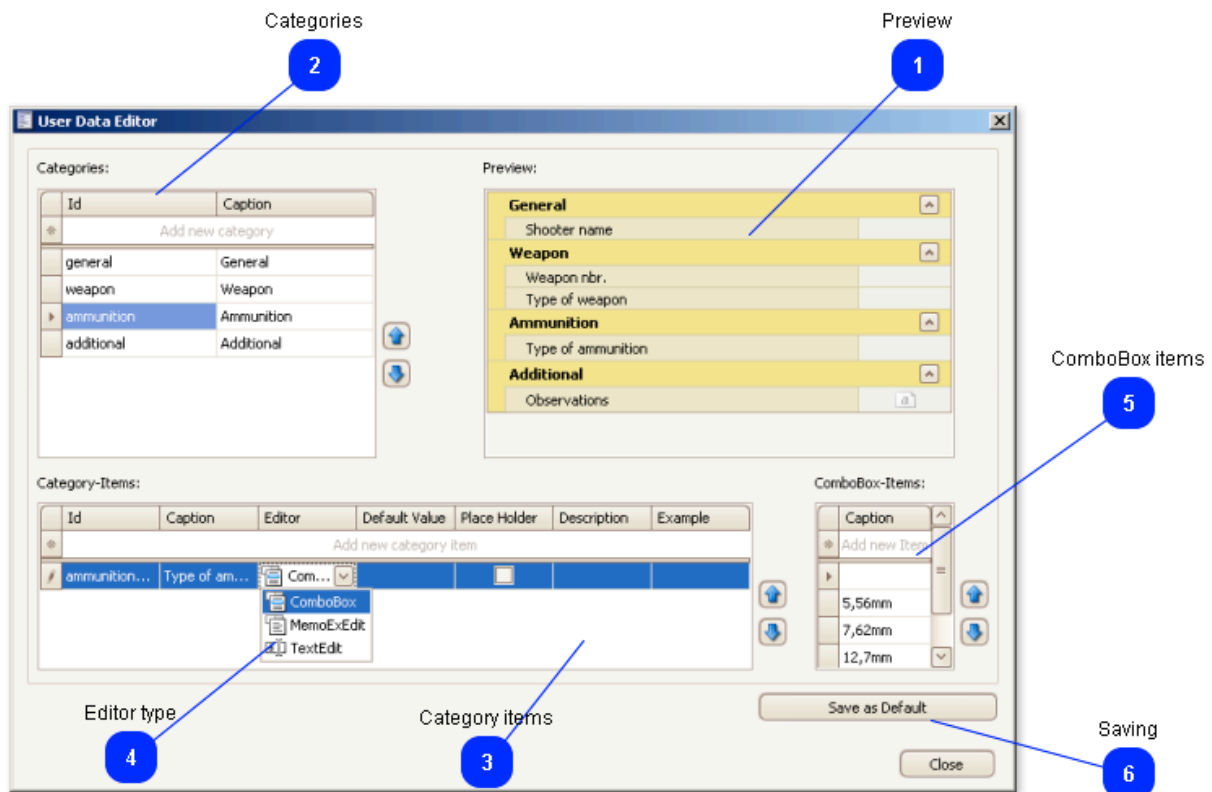


These two menu entries are only visible in a special configuration mode. (To load it, press "Ctrl" + "Shift" during start-up of the program.)

The Debug view can be used by SIUS personnel for error analysis.

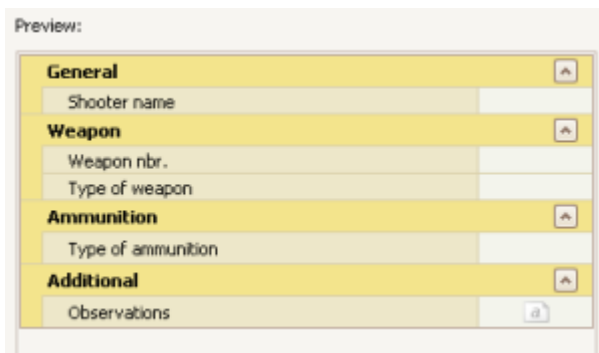
The system administrator can use the User Data Editor function to customise user-specific data that is displayed in the Configuration view.

## User data editor



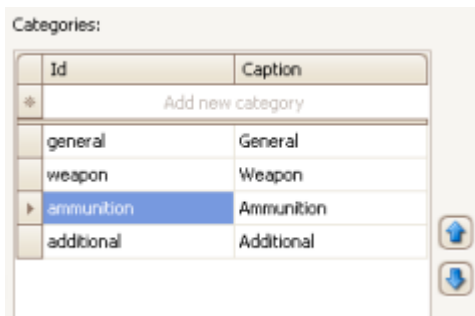
When the User Data Editor is launched the current configuration is loaded.

### 1 Preview



The current configuration is displayed here. It corresponds exactly to the display which can be seen later in the Configuration view. This section is updated after each alteration. The individual fields can be clicked to test their functionality.

### 2 Categories



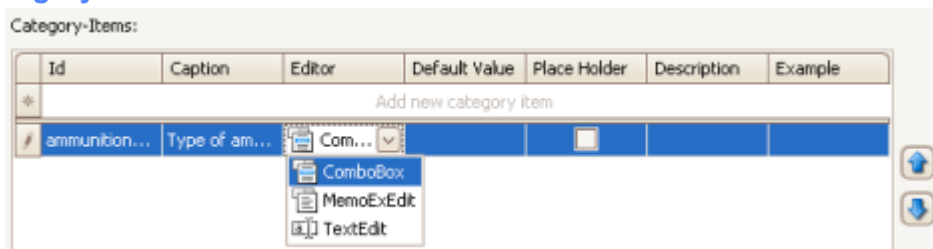
This is where the various categories are listed.

Entries can be added and deleted here. If an entry is deleted, the associated category entry will also be deleted.

The positions of the entries can be altered by using the arrows on the right-hand side.

An entry consists of an ID (unique identifier) and a caption. The caption is the text that is displayed; the ID, on the other hand, is not visible to the user later.

### 3 Category items



The items for the category selected above are listed in this section.

Entries can be added and deleted here. If an entry is deleted whereby a Combo Box selected as the Editor type, its entries are also deleted.

The positions of the entries can be altered by using the arrows on the right-hand side.

Here is a list of the individual fields that are available:

ID: Unique identifier (not visible to the user while executing a programme)

Caption: Text which is displayed in the corresponding row.

Editor: Type of editor that is located behind the field.

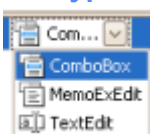
Default Value: Default value that is to be set when starting up.

The last three fields are only relevant if you want to automate the generation of exports or reports and use dynamic folder or file names.

If the 'Place Holder' field is selected, the text that the user subsequently enters in this category field can be used as part of the folder or file name. In this case, for example, the ammunition type would be offered as a placeholder in the pattern editor.

An additional entry can be specified for the corresponding placeholder as a description. The entry in the 'Example' field is used for the preview of the compiled pattern.

### 4 Editor type



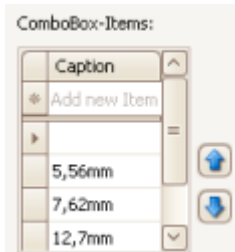
Three different types of editors are available:

The type of editor determines what sort of entry the user is able to make later.



ComboBox: Selection box with predefined entries  
MemoExEdit: Text field for entering multi-line text  
TextEdit: Simple text field

## 5 ComboBox items

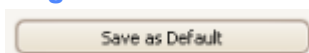


If 'ComboBox' is chosen as the Editor type for the selected category item, you can add or delete entries in this list.

The position of the individual elements can be altered by using the buttons on the right-hand side.

The ComboBox element subsequently allows one of the elements defined in this list to be selected in the Configuration view. You can click on the corresponding field in the preview to test its functionality.

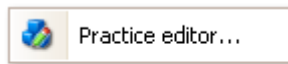
## 6 Saving



Upon completion the new definition for user data must be saved by pressing this button.

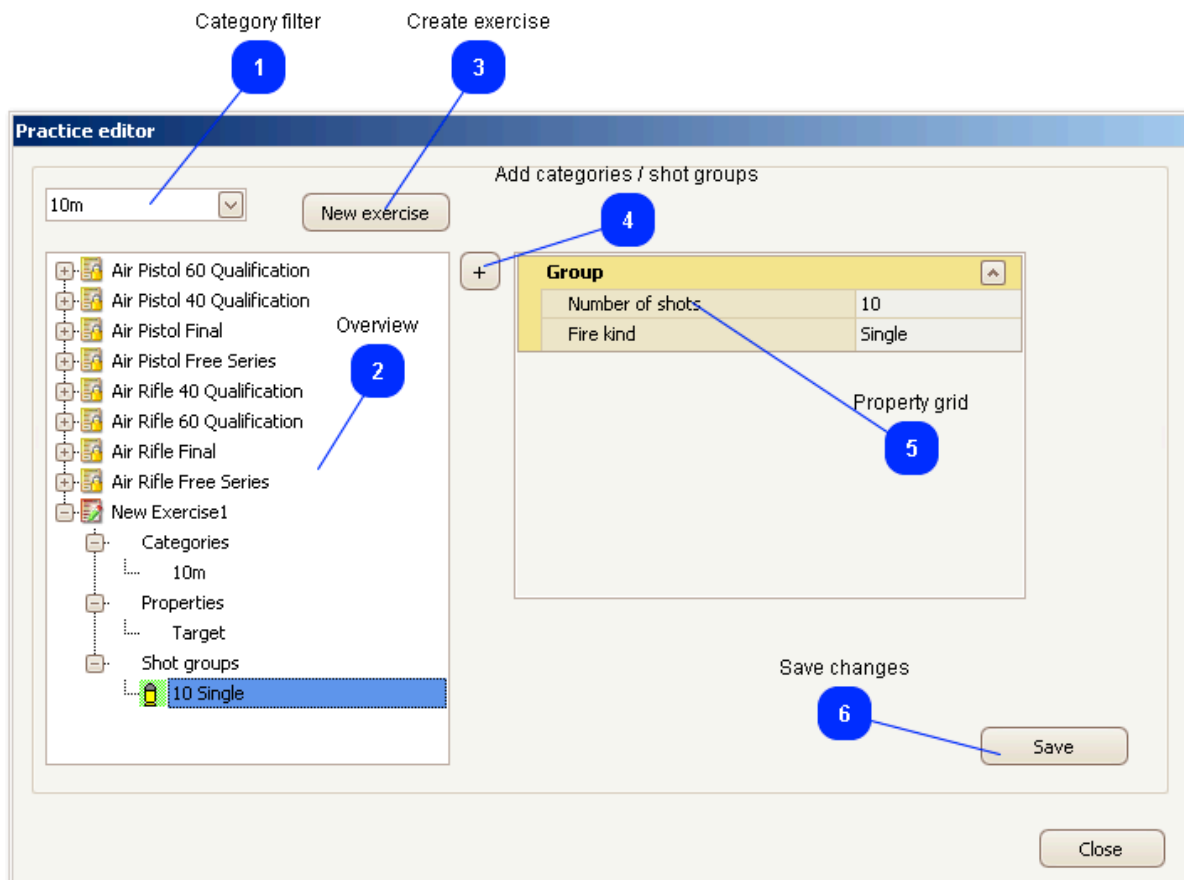
The new settings will be available the next time the application is started.

## Tools



Open the "Practice editor" to design new exercises and to modify exercises created in the past.

## Practice editor



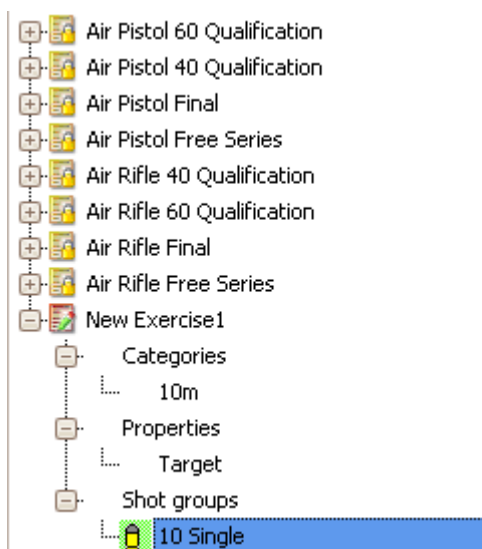
The practice editor allows you to create your own exercises. (This editor only gets accessible in case you hold the keys "Shift" + "Ctrl" pressed during the whole start up process of the application.)

### 1 Category filter



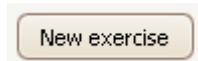
The exercises within the tree view can be filtered by category.

### 2 Overview



Within this tree view all existing exercises of the selected category are listed. Predefined exercises are read only. (They can be used as templates to see how exercises have to look like.) Some of the parts of the exercise can be modified directly within this view; others get shown on the right side either within the property grid or within the target and scoring editor.

### 3 Create exercise



Pressing this button adds a new exercise to the exercise list. After selecting the exercise it can be modified.

### 4 Add categories / shot groups



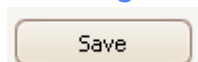
Depending on the selected tree node within the exercises overview categories and shot groups can be manually added to the created exercises.

### 5 Property grid

Group	
Number of shots	10
Fire kind	Single

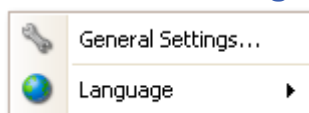
Select properties and shot groups within the tree view to get the possibility to change its values.

### 6 Save changes



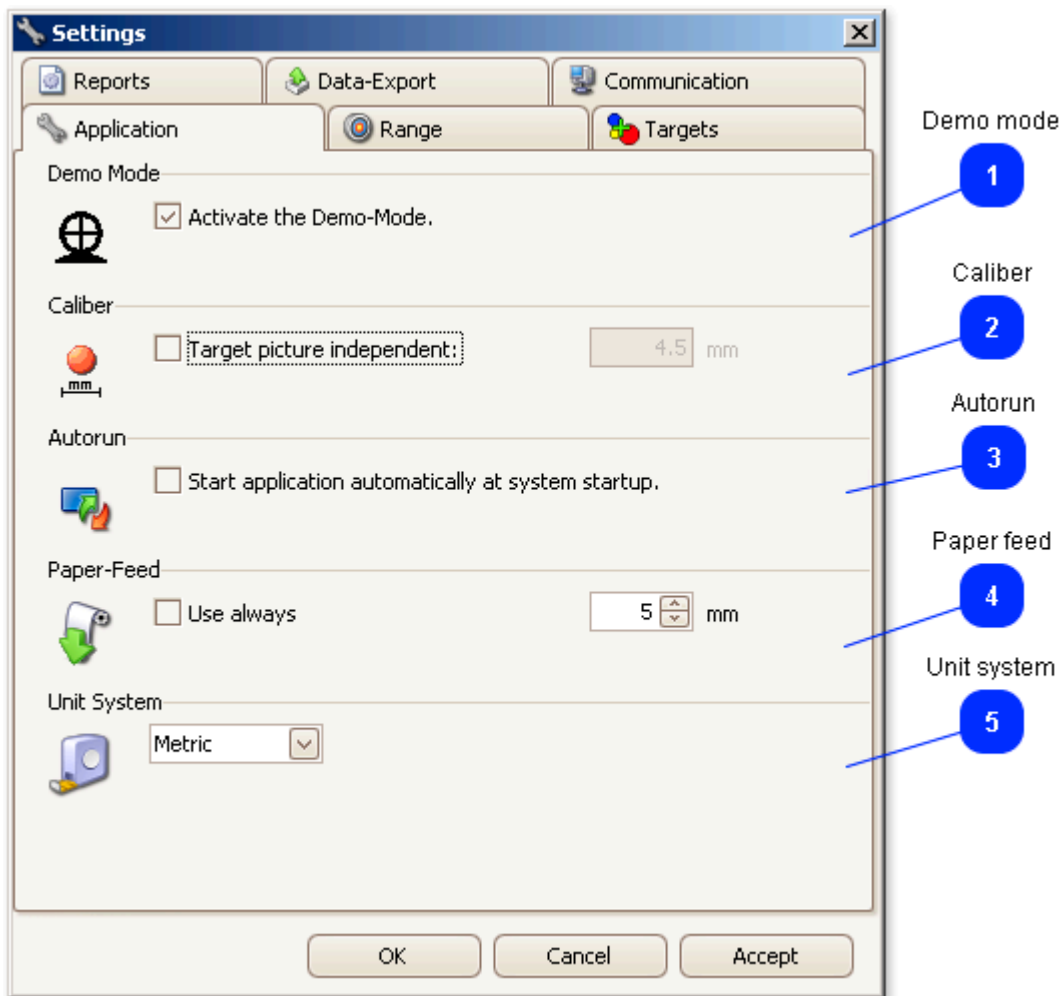
Before closing the window save the changes you made.

## General settings

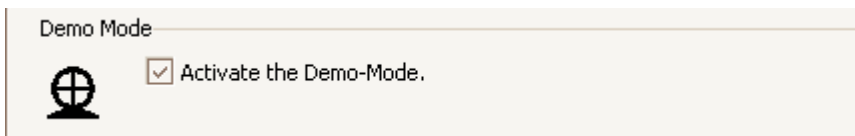


General settings can be modified and the language can be changed. In case the language has been changed, the application has to be restarted to activate the new language.

## Application settings

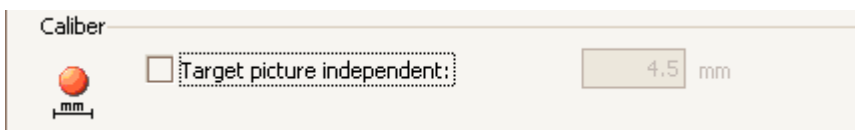


### 1 Demo mode

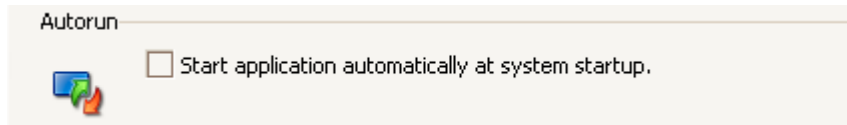


Activate or deactivate the demo mode. If this mode is active a crosshair will appear when the cursor is moved within the target image. A shot is then triggered by clicking the left mouse button. A button also appears underneath the target which can be used to request a demo shot. (This enables the functionality of the detection system to be examined.)

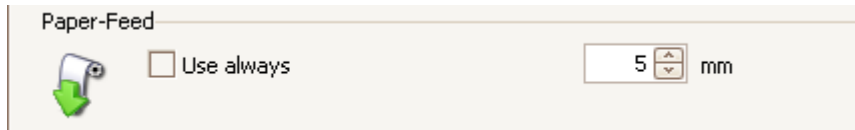
### 2 Caliber



Specification of the caliber used for special calculations.

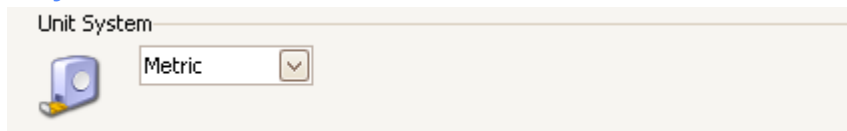
**3 Autorun**

Is this option activated, SiusLane automatically starts at system startup.

**4 Paper feed**

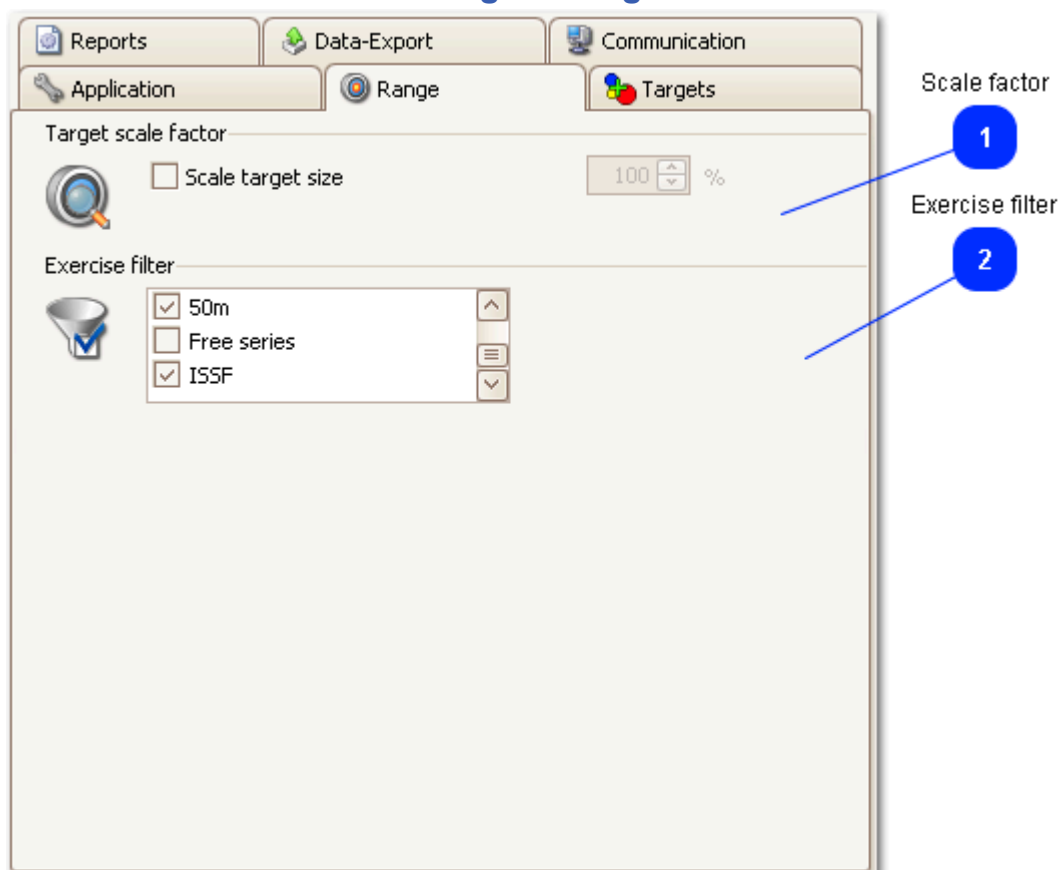
The size of the paper feed for the connected detection systems can be specified here.

(When using open detection systems this section is not displayed.)

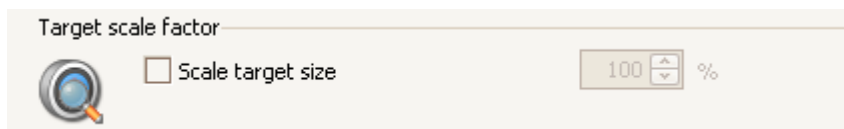
**5 Unit system**

Define if the application has to use the metric or imperial unit system.

## Range settings



### 1 Scale factor



In case target pictures should be used on distances other than the default distance, the target scale factor can be adapted.

Example: A 50m rifle competition gets shot on 10m, this option has to be activated and its scale factor set to 20%. ( $20\% = 100\% / 50m * 10m$ )

By default this option is not activated. It means scale factor = 100%. Adapting the scale factor will not be accepted before a new exercise is started. Furthermore the scale factor will be shown in the title bar of the exercise view and on the report.

### 2 Exercise filter

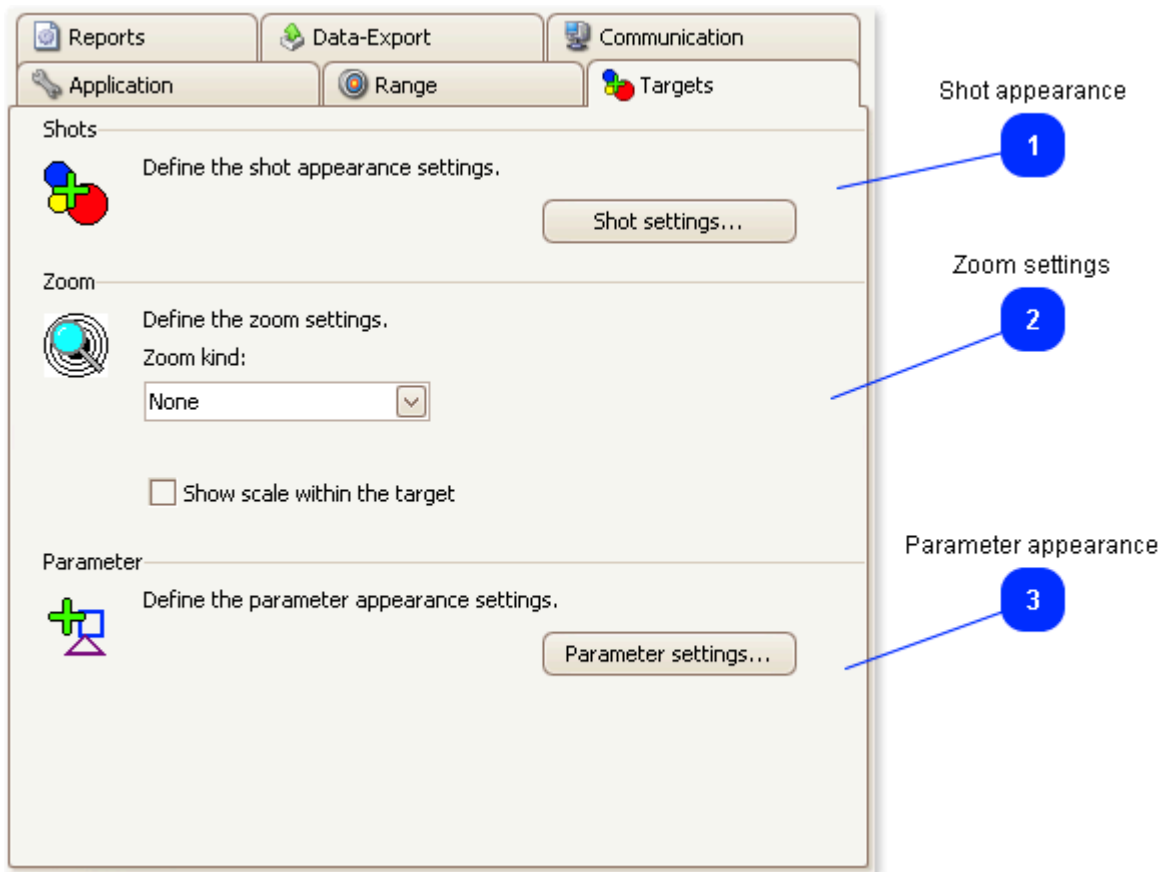


Exercises are part of one or more categories. "10m Air Rifle Free Series" for example belongs to the categories "10m" and "Free series".

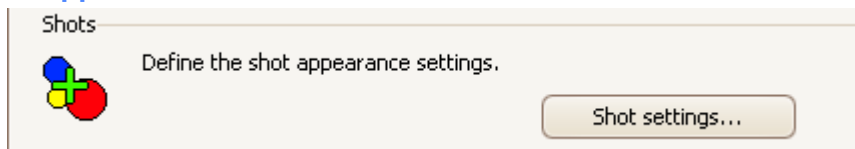


By activating the desired category it is possible to filter the exercises. In the exercise selector of the program, only exercises from the selected categories will be shown.

## Target settings

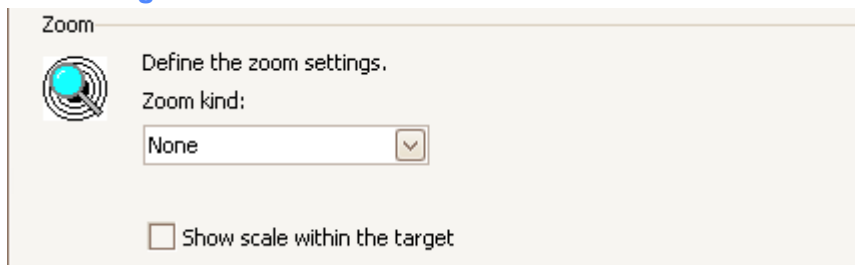


### 1 Shot appearance



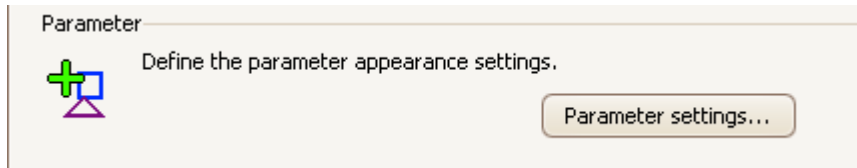
The appearance of the shot within the target can be defined here.

### 2 Zoom settings



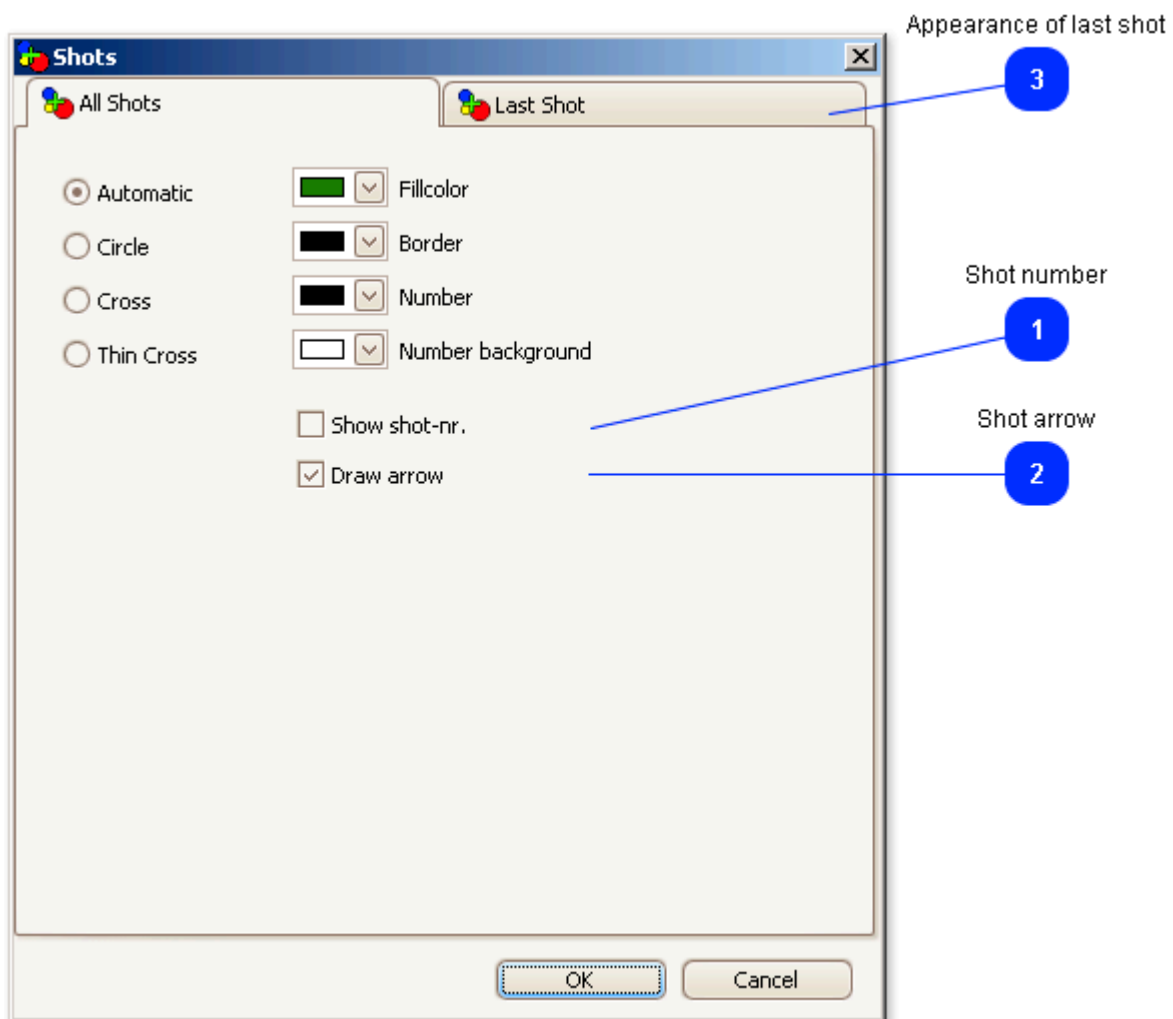
This section defines the type of zoom.  
Specify whether or not a scale should be displayed within the target images (this scale can be used to estimate the size of the displayed target (target cut-out)).

### 3 Parameter appearance



The parameter appearance within the target can be defined here.

## Shot appearance



The shot appearance can be specified here.

### 1 Shot number

Show shot-nr.

Choose whether or not to display the shot number within the target image.

### 2 Shot arrow

Draw arrow

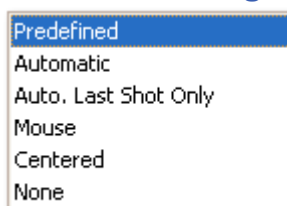
If this option is active a directional arrow will be displayed if the detected shot is outside the visible target area.

### 3 Appearance of last shot



Custom settings can be implemented for the last shot fired. A different colour can be selected, for example, to directly identify the new shot.

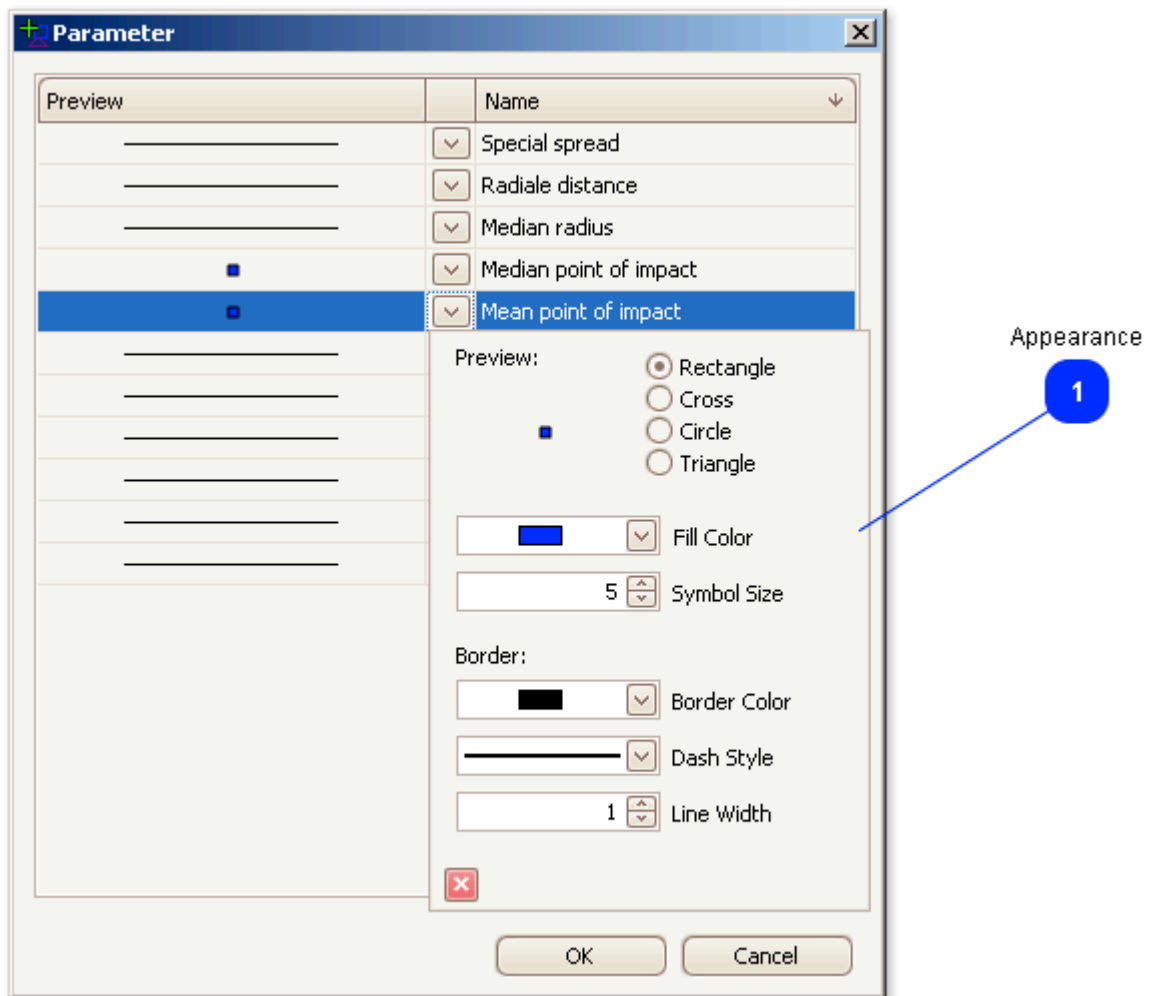
## Zoom Settings



Specify the zoom characteristics of the target image.

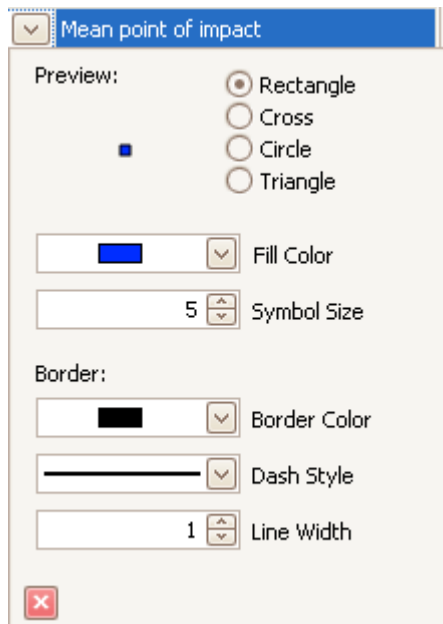
- **Predefined:** Fixed, predefined zoom factor.
- **Automatic:** The target automatically zooms to a setting that displays all shots. If the zoom factor is large enough, the individual shot is represented by a circle which corresponds to the caliber diameter. Otherwise the shot will be presented in the format defined in the shot settings.
- **Automatic last shot:** The target image automatically zooms within the specified areas in relation to the last shot.
- **Mouse:** A left-click enlarges the target; a right-click makes it smaller.
- **Centered:** Works like the automatic zoom but zooms allways around the mean point of impact of the shot group and not around the target center.

## Parameter Presentation

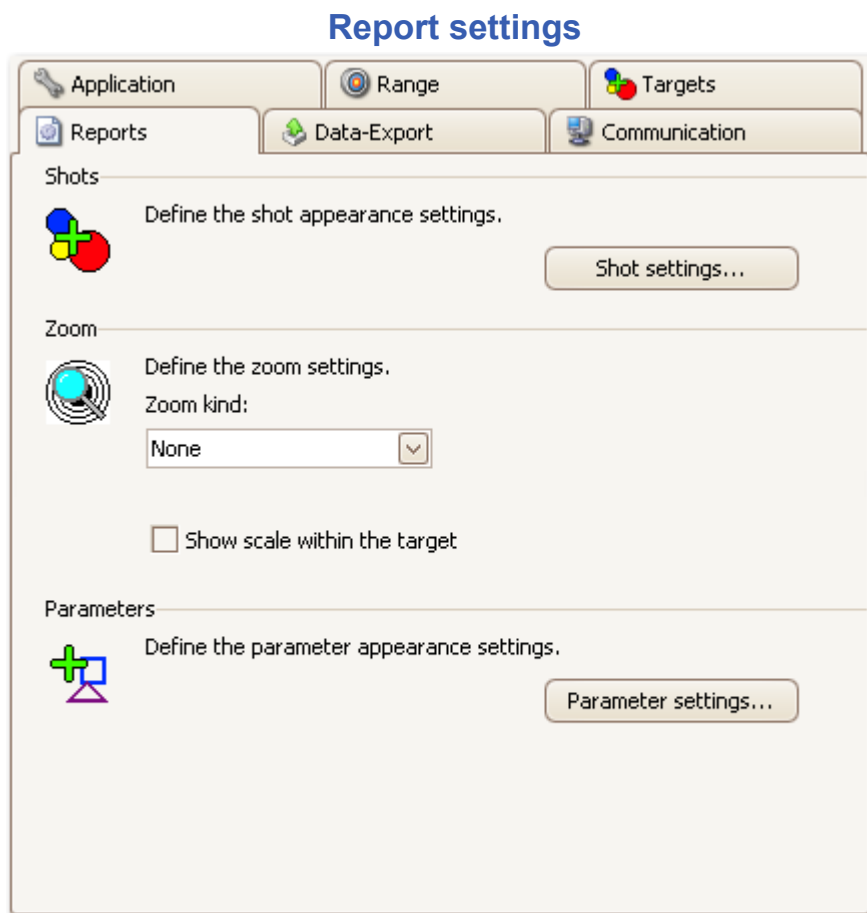


The appearance of parameters within the target image can be defined here. This list contains all of the parameters that could be calculated. The parameters that are calculated for you are specified within the test scenario. This list relates exclusively to appearance!

1 Appearance



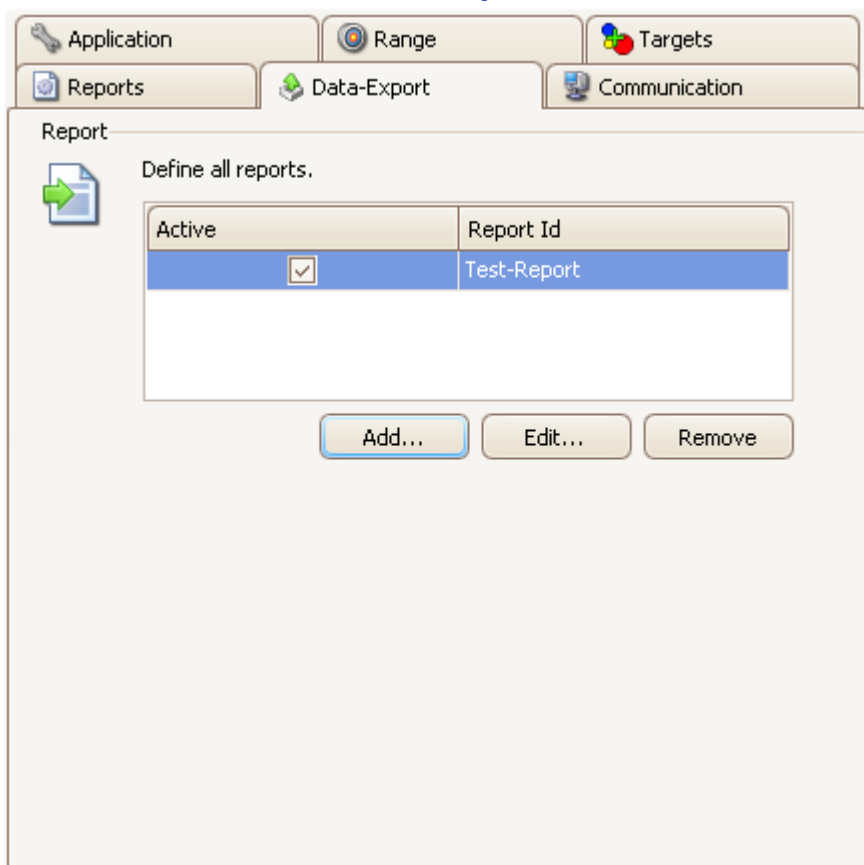
Example of a parameter (mean point of impact).



The same settings as for the targets ([Target settings](#)) are also available for the reports. This way the look of the targets and its components can be varied between application and report.



## Data export



Add, edit or remove a predefined report. The individual entries can be activated / deactivated.

All of the active entries are implemented at the end of a test sequence.

## Report definition

The screenshot shows the 'Test-Report' dialog box with the following settings and callouts:

- 1 Active / Inactive:** A checked checkbox labeled 'Active'.
- 2 Saving / Printing:** Radio buttons for 'File' (selected) and 'Printer'.
- 3 Path + folder + file:** A text field containing 'C:\' with a folder selection icon.
- 4 Path:** A label pointing to the 'Path:' text field.
- 5 Dynamic folder:** A checkbox labeled 'Use Dynamic Folder Name' (unchecked).
- 6 File name:** A text field containing 'Default' with a file selection icon.
- 7 Report type:** A dropdown menu showing 'SiusLane-Report'.

Other visible settings include 'Folder Name Pattern' (Default), 'File Name Pattern' (Default), 'Show Preview' (unchecked), and 'Output Format' (PDF selected).

The user is free to determine which information should be included in the data export. The path and file name where the results are to be stored can be specified here. In addition, so-called patterns can be defined for folder and file names that are deleted at the time of saving.

For example, a pattern that consists of the date can be defined for the dynamic folder. This ensures that results generated on different days are automatically saved in different folders.

### 1 Active / Inactive

Active

Activate / deactivate export.

### 2 Saving / Printing

Output:  File  Printer

Selection as to whether the report is to be printed or saved as a file at the end of each exercise.

### 3 Path + folder + file

Path + Folder + File

Path:  
C:\

Use Dynamic Folder Name

Folder Name Pattern:  
Default

File Name Pattern:  
Default

Default

Definition of the path, folder and file where the results are to be stored. The folder and file can be defined based on a pattern (e.g. date).

### 4 Path

Path:  
C:\

Selection of the path.

### 5 Dynamic folder

Use Dynamic Folder Name

Folder Name Pattern:  
Default

Default

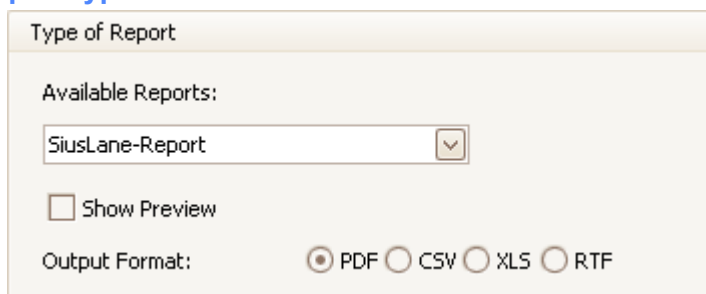
This option allows, for example, a new folder to be created automatically for every day.

### 6 File name

File Name Pattern:  
Default

Default

The file name can be automatically generated based on a predefined pattern. (For example, a file name which contains the weapon number)  
New patterns can be defined by pressing the button.

**7** Report type

Type of Report

Available Reports:

SiusLane-Report

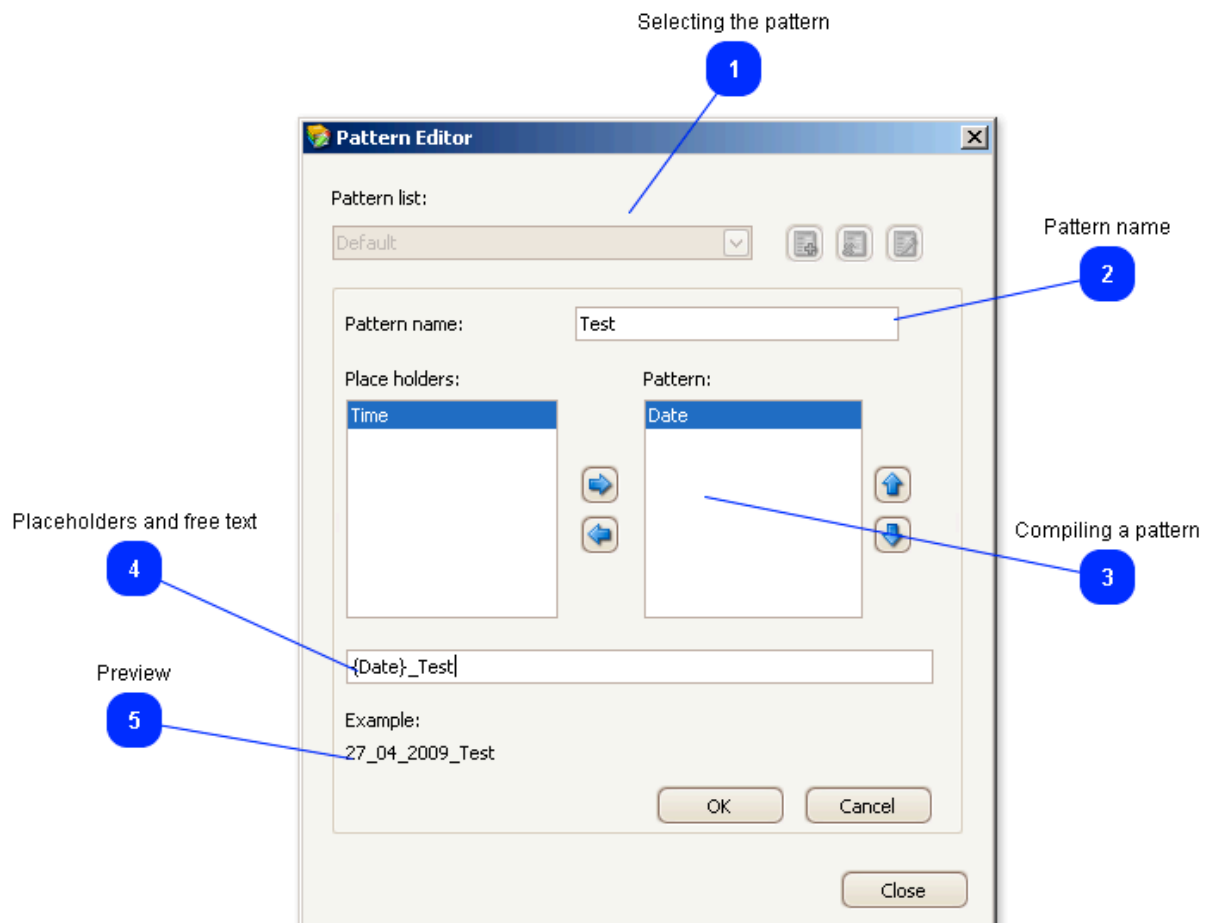
Show Preview

Output Format:  PDF  CSV  XLS  RTF

You can choose between the available reports here. The file can be saved in various formats.

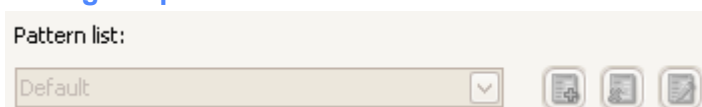
If the 'Show Preview' option is active, a preview of the generated report will be displayed after completing a test sequence. (This can be used, for example, for control purposes)

## Pattern editor



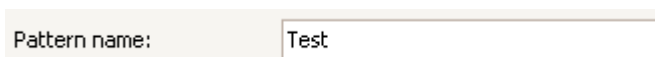
A pattern is defined by free text and placeholders, which are replaced by the current values during execution of the programme.

### 1 Selecting the pattern



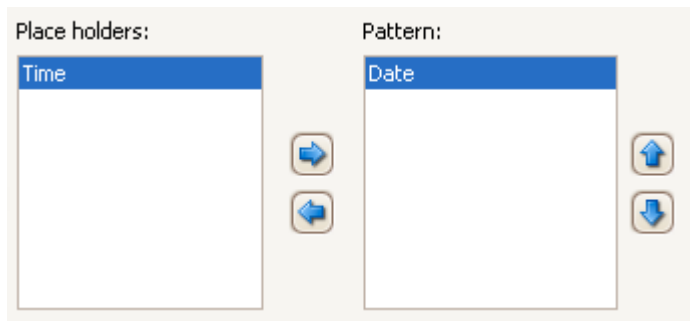
The details relating to the selected pattern are indicated in the field underneath. The buttons located to the right can be used to add new patterns or to alter or delete the selected pattern. (Patterns that are allocated elsewhere cannot be deleted.)

### 2 Pattern name



Change the name of the pattern. (The name must be unique).

### 3 Compiling a pattern



The placeholders that are available are located to the left. These can be added to the pattern or removed by using the arrows.

The right-hand field lists the placeholders that are included in the pattern. The order of the placeholders within the pattern can be altered by using the arrow buttons to the right.

4

#### Placeholders and free text

{Date}\_Test

{Date} free text {Time} free text

The pattern consisting of placeholders can be supplemented or expanded by any text.

To use a 'simple' file name without placeholders you can also enter just plain text.

5

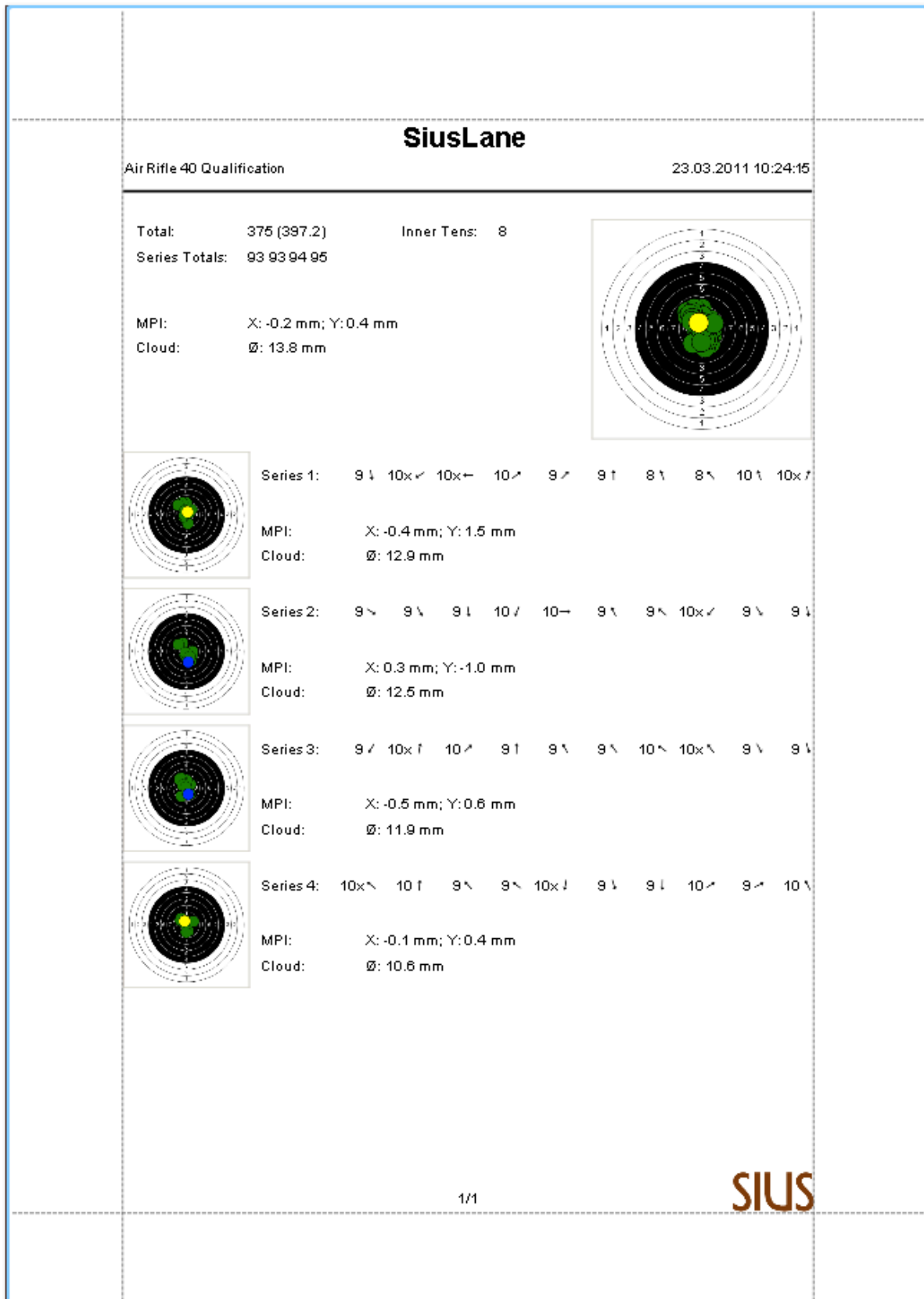
#### Preview

Example:

27\_04\_2009\_Test

Preview of the defined pattern.

Example



Example of a report printout.





## Communication

### 1 CommService

Communication between SiusLane and the target systems is established via SiusCommService.

The IP address of the computer on which SiusCommService is installed can be specified here.

In principle it is located on the same computer as SiusLane - i.e. address '127.0.0.1' (local host).

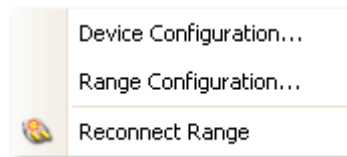
### 2 Remote control

This option allows controlling SiusLane with the numeric keypad of the keyboard:

- / = Menu

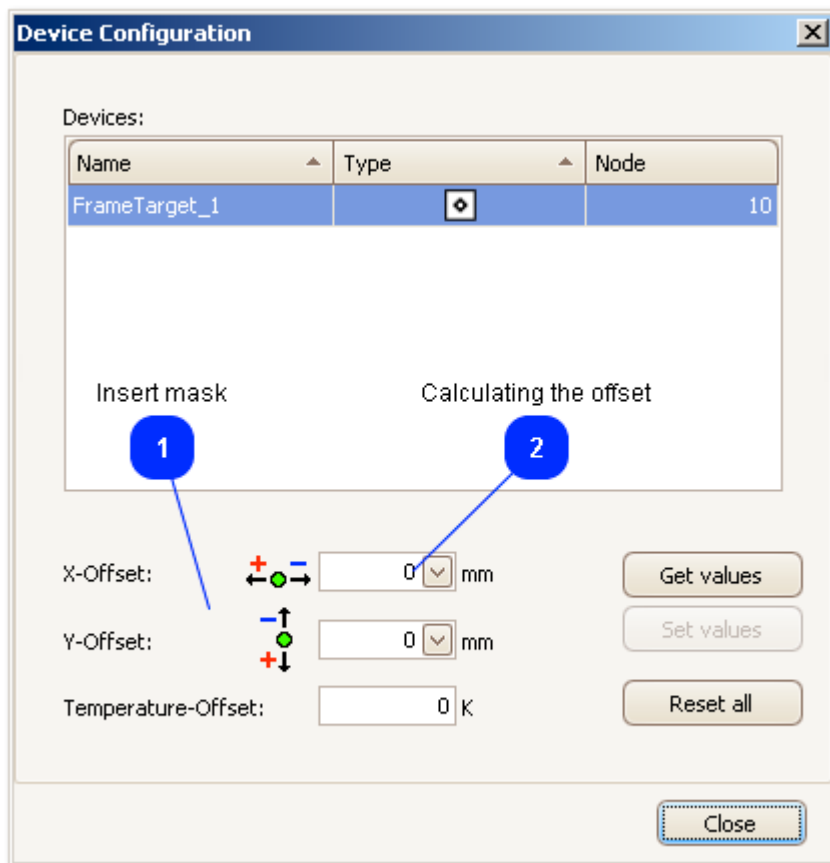
- \* = Match
- - = Zoom out
- + = Zoom in
- Enter = Start / Stop / Reset
- Cursors = Menu navigation

### Extras



If the connection status of the application is o.k. (green), yet that of the targets is indicated as "not connected" (red), a reconnection attempt can be initiated.

## Device Configuration



This view and the corresponding menu entry are only visible in a special configuration mode. (Press "Ctrl" + "Shift" during start up of the application.)

All of the target systems for the unit are indicated in the list. (This unit only contains one target.)

The changes conducted here always relate to the selected device. Normally this configuration should be conducted once when installing the system due to variation types or after replacing a system and should not be changed afterwards.

### 1 Insert mask



To determine the values that are to be set for the X and Y offset, stick some graph paper onto the target and compare the values that the system has indicated and those that were actually fired. The difference is then to be entered as the offset (subsequently set the values).

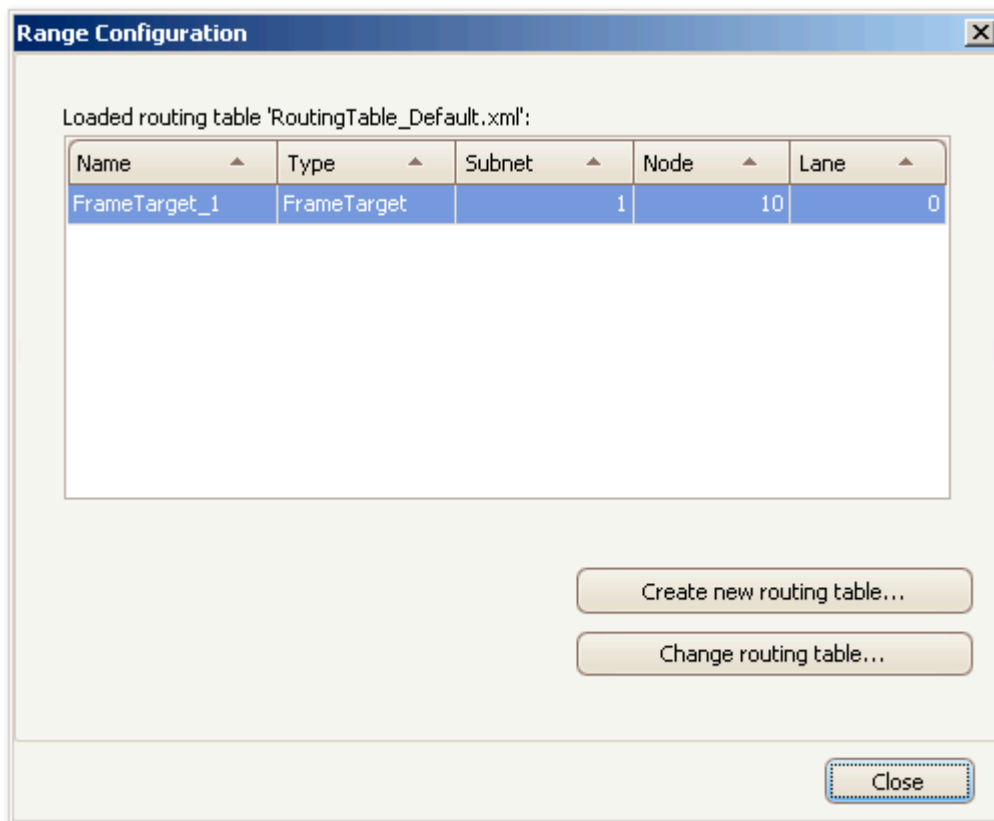
Doing this will ensure the measured deviations are compensated by the system from this point onwards.

### 2 Calculating the offset

Measured Value:	<input type="text" value="0"/>	mm
Shown Value:	<input type="text" value="0"/>	mm
Required Offset:	<input type="text" value="0"/>	mm

The offset can be entered directly into the field or calculated by the system. When calculating simply enter the values that are measured on the target and those that are displayed by the application. The offset is then calculated automatically. Pressing the 'Accept' button transfers the value to the designated field.

## Range Configuration



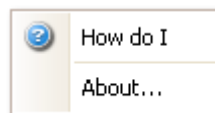
This view and the corresponding menu entry are only visible in a special configuration mode. (Press "Ctrl" + "Shift" during start up of the application.)

The configuration settings included here are specified by an employee of SIUS AG when installing the system.

This corresponds to the range configuration that has been specifically geared towards the target system you have purchased.

No settings are to be altered here by the user.

## Help



This section contains the help file.

'About ...' contains details relating to the application version and contact information for SIUS AG.

## Contact

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