USER MANUAL

Timing and Data Technical Report Software

User Manual

Valid for software versions 6.7+

Document

Timing Report User Manual

Version

13

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FIS IT Department

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1. General

The Timing and Data Technical Report Form (Timing Report) is a required document that must be correctly completed and submitted with all competition results for all supported events in the FIS calendar. Events that do not submit this form, correctly completed, will not be considered for FIS points and result validation.

Technical surveys conducted by the FIS since 1995, along with the amount of timing evidence collected by the Timing Working Group during this period led to the introduction and ongoing use of this form. A correctly filled out Timing Report is an invaluable tool and audit document, and it provides all information that the FIS needs to evaluate an event from the timing equipment and timing procedures.

An annual summary of the data from these forms is conducted. Although most of the FIS events are conducted correctly, the form asks questions that ensure the minimum technical standards are met. It ensures that at least two homologated, synchronized time-of-day systems, hand timing are used and provides a check that the timing staff ensure the systems operate together. The Timing Technical Report Form minimizes errors and is designed to help make the event fair for all who take part.

The Timing Report XML file can be generated out of the timing software of the timekeeper (if supported) or the FIS software Timing and Data Technical Report can be used.

2. Downloads, installation and updates

Downloads of the installation packages for the FIS Timing Report software versions are available on FIS website in the Timing & Data section:

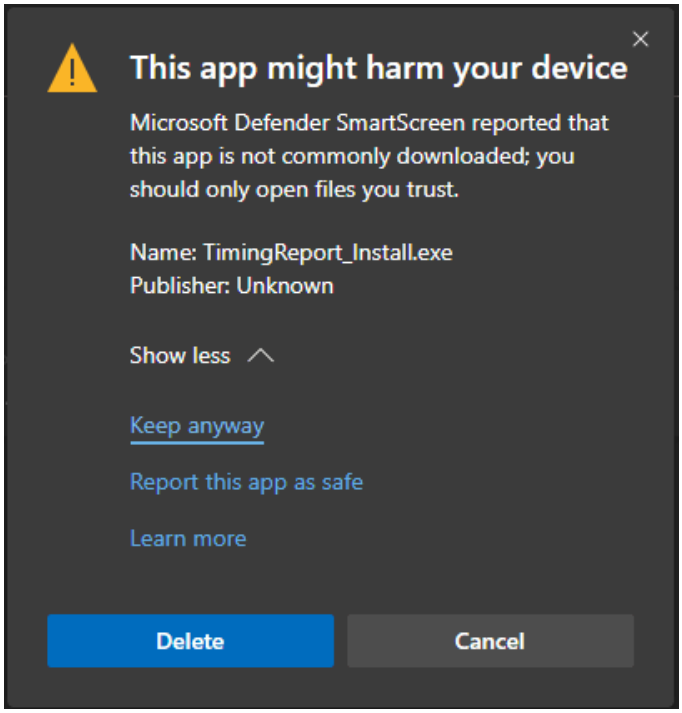
https://www.fis-ski.com/en/inside-fis/document-library/timing-data

Supported operating systems:

- Windows 10, 11
- macOS 11+ (64bit)

2.1. Installation on Windows

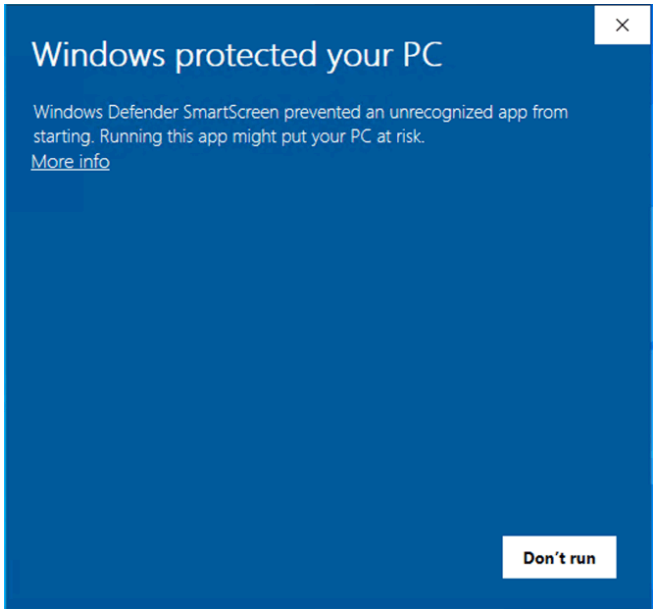
Some security components (e.g., anti-virus software) on Windows might alert the download as suspicious software like this:

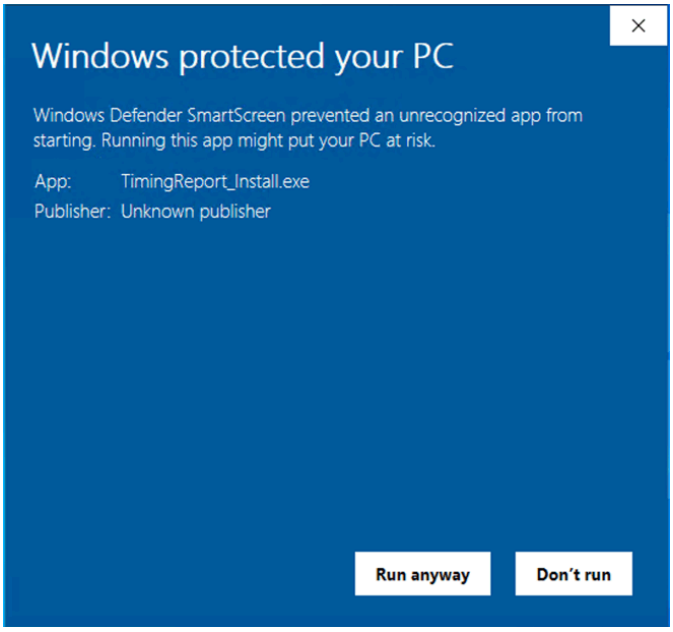


Please continue and mark the downloaded installer as safe.

Execute the installer program and follow the instructions of the installation wizard.

You'll maybe discover following message on Windows when you try to open the installer the first time:





Try the following steps to run the installer:

1. Click on “More Info” to continue.
2. Click the “Run anyway” button to run the installer.

> On newer versions of Windows this work-around might not work any more.

2.2. Installation on macOS

Open the DMG file and drag and drop the Timing Report application to the Application folder.

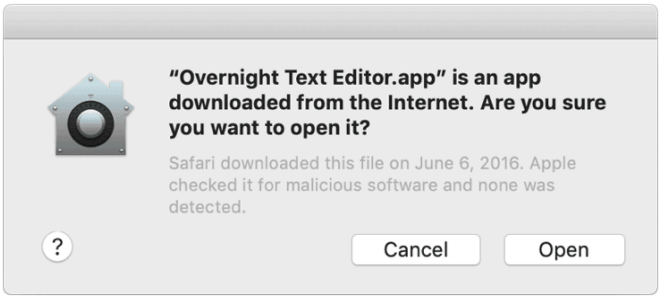
2.2.1. Timing Report 6.6+

Starting with version 6.6.0, Timing Report has been fully notarized by Apple, enhancing the installation experience for macOS users. While macOS may still display a standard alert indicating the software was downloaded from the internet, this is not a warning but a security reminder common for all internet-downloaded applications.

As a result of this notarization, macOS will no longer display warnings about the application's authenticity or potential security risks. Users can now install Timing Report quickly and confidently, without the need for additional steps to bypass security prompts.

2.2.2. Older versions of Timing Report

On older macOS versions you'll maybe discover a message when you try to launch a Mac app that didn't come from a verified source or from the Mac App Store or unknown developer, and you'll get an alert dialog that says *"TimingReport.app can't be opened because it is from an unidentified developer"*.

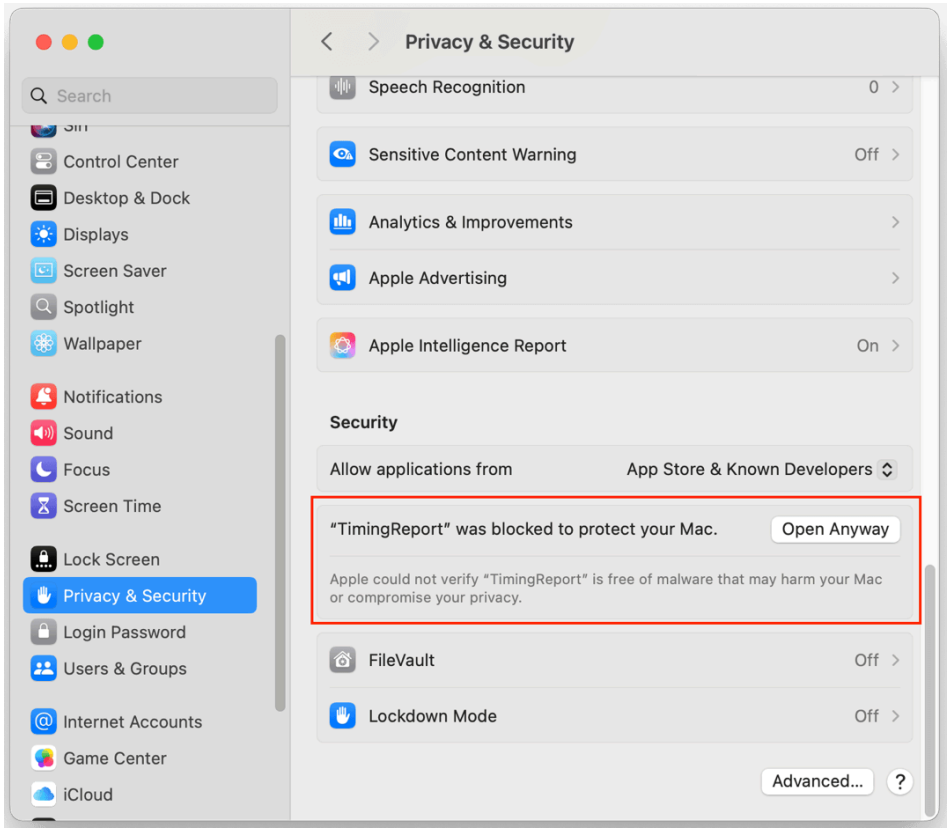


Try the following steps to launch the app:

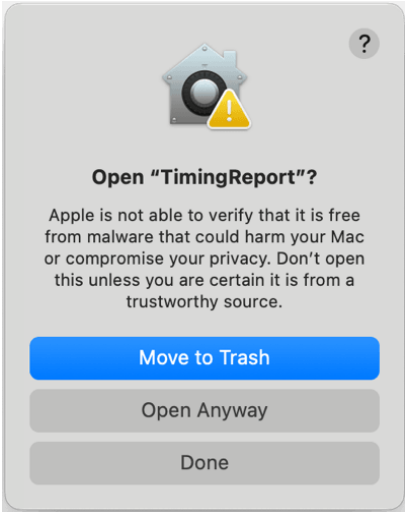
- Open Finder and go to the Application folder (launching from Launchpad might not work).
- Right-click (or control-click) the application and choose "Open".
- Click the "Open" button at the next dialog warning to launch the app anyway.

On newer macOS versions you might see this message:

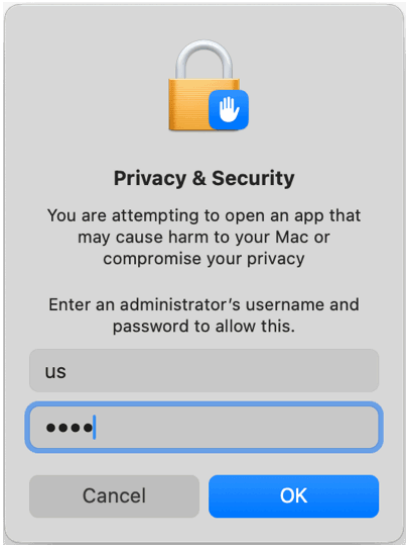
- Press "Done".
- Go to macOS Settings → Privacy & Security and scroll down to Security section and click the button "Open Anyway" where the TimingReport software is shown as blocked.



- Confirm in the next dialog again with “Open Anyway”



- If required confirm with entering your user and password



After that the Timing Report software will launch.

When a newer version of the software is available, a notice within the software will alert you of the need to update (see chapter 3.2). Additionally, on macOS a system user notification will alert you (if enabled). If you are using outdated software and send an XML to the FIS, the response email will also alert you of the need to update.

It is strongly recommended to always use the latest version of software containing the newest features and bug fixes. The software can be updated through the software using the “update” function, or a new version can be downloaded from the FIS website Timing & Data section.

2.3. Supported FIS disciplines and events

Timing and Data Technical Report is used in:

- Alpine Skiing (AL)
- Freestyle Skiing (FS)
- Snowboard (SB)
- Cross-Country (CC)
- Nordic Combined (NK)
- Telemark Skiing (TM)
- Masters (MA)
- Grass Skiing (GS)
- Speed Skiing (SS)
- Para Alpine (PAL)
- Para Cross-Country (PCC)
- Para Snowboard (PSB)

For Alpine Parallel, Freestyle Ski Cross, Snowboard Cross and Para Snowboard Cross events a Timing Report can be sent for Qualification + Finals (only one race codex in FIS calendar) or for Qualification and Finals separately (race codex for each phase in FIS calendar). A Timing Report for Freestyle Ski Cross, Snowboard Cross and Snowboard Cross Team is only mandatory for categories Olympic Winter Games, World Championships, World Cup and World Junior Championships.

For following FIS disciplines and events NO Timing and Data Technical Report is needed:

Freestyle / Freeski	Aerials, Aerials Team, Aerials Team Qualification, Aerials Syncro, Halfpipe, Slopestyle, Big Air, Big Air Team, Ski Cross Qualification (only), Rail Event
Snowboard	Halfpipe, Slopestyle, Big Air, Snowboard Cross Qualification (only), Rail Event

2.4. Internet connection

The Timing Report software will need an internet connection to check for updates and download the latest information about timing devices and FIS data from FIS database updated on a weekly basis. If the computer running the Timing Report software cannot be online whenever the Timing Report software is being used, it should at least be checked online at the beginning of each season as well as several times during the season to ensure it is up to date.

Please make sure that following ports are open in your firewall settings for different online functionalities of the software:

```
- HTTP/HTTPS:      80, 8080, 443
- MySQL:           3306
- POP, IMAP, SMTP: 25, 110, 465, 587, 993, 995
```

If you encounter connection difficulties, contact your local system or network administrator or your internet service provider.

2.5. Default timing report XML file for data transfer

An optional, default timing report XML file is supported to partially fill the timing report at start-up. This XML file can contain configuration and device data as well as Timekeeper information and location information. To create a default XML file, open the Timing Report software and enter the default data and save the XML to the default location.

The default path for the XML file is as follows:

```
Windows: C:\Users\Public\Documents\FIS_Temp\fis-tr-default.xml
macOS:   ~/Users/Shared/FIS_Temp/fis-tr-default.xml
```

This path can be changed from within the settings in the Timing Report software.

If a default XML file is located at this path it will be loaded when the application starts. If no XML file is located at this path, the software will start with an empty report. The user can also select “Load XML” from the menu and navigate to an alternate location to load a pre-filled XML file.

2.6. Timing report XML file

The description of the timing report XML can be found on the FIS website Timing & Data section or within the Timing Report software. When the XML file is submitted to the FIS its content will be verified and a confirmation email will be sent to the sender of the file indicating the result of processing.

2.7. Timing report XML file transmission

The timing report XML files must be sent to: results@fis-ski.com

The subject of the email must contain the NSA code and competition codex to ensure correct processing.

Example email subject: AUT1234
File name of the XML files: `[NSA code][competition codex (4 digits)].xml`
Example XML file name: AUT1234.xml

The email can contain a single XML file or multiple XML files. Multiple files can be sent as multiple attachments or in a ZIP file, but the ZIP file must only contain the XML result file(s) with no folders or hidden system files and must not be password protected.

2.8. Support

For support requests, questions and feedback please contact the FIS IT department: it@fis-ski.com

A support request for a certain timing report should at minimum contain the FIS discipline, FIS competition codex and a short description of the issue. The Report an issue functionality within the software can be used too (see chapter 3.3.3 Options/Report an issue, 4.1 General see log file items).

The preferred support language is English.

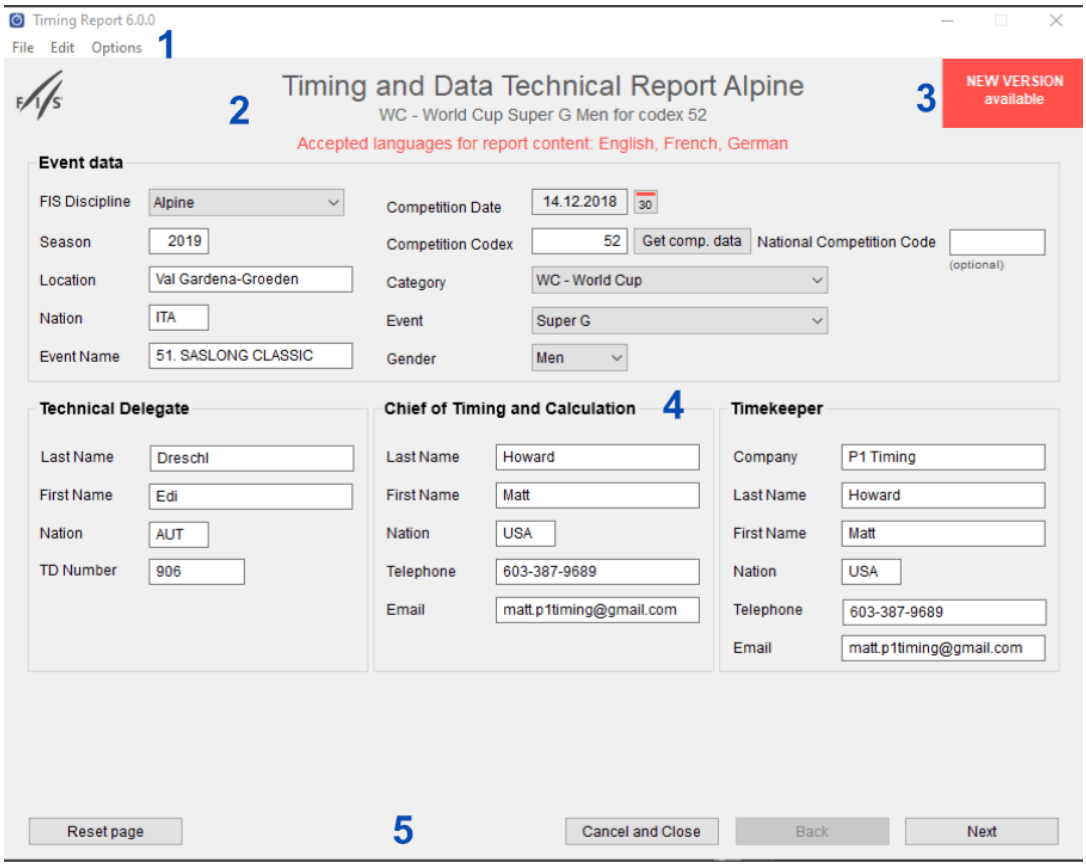
3. Timing Report Software

This document represents a step-by-step explanation of what is needed in each field of the Timing & Data Technical Report. Since some of the information being provided will most likely remain consistent (example: timing equipment details, event information, timekeeper information) you can fill out most of this information once and store it in the settings or in a default XML file as described above.

3.1. Application start

When the application opens and starts, a progress dialog appears showing the initialization progress. This can take several seconds. During the initialization the software does some integrity tests, checks to see if updates are available, and the FIS data and timing device data are downloaded and updated.

3.2. Overview application window



1 – menus (on macOS the menus are on the top application menu bar)

2 – title of the timing report showing the selected FIS discipline, category, event, gender and codex

3 – notification for available software update

4 – content of the timing report data pages

5 – buttons for navigation and operations

3.3. Menus

Menus are different for Windows and macOS version of the software.

3.3.1. File

Load XML
Select and load a timing report XML of a previous or draft version of a timing report.

Save XML Draft
Saves a draft or intermediate version of the current report as XML file for later re-use or finalization of the report data.

Export Settings
Exports the setting to an XML file to e.g., transfer the setting to another computer.

Import Settings
Select and import a previously exported setting XML file. Existing settings will be overwritten.

Quit
Closes and quits the application. A dialog with a security question will appear to be sure all entered data are saved.

3.3.2. Edit

Standard software menu providing basic OS functionalities like copy, paste, select all, etc.

3.3.3. Options

Settings
Opens the Settings window. On macOS available under the application menu.

Check for updates
Opens a dialog, connects to FIS server and checks if a software update is available.

User manual (PDF)
Opens the software user manual PDF.

XML documentation (PDF)
Opens the timing report XML description PDF.

Timing Booklet on FIS website
Opens the FIS website page with the Timing Booklets links

Move Times
The menu is only visible if a competition format with more than 1 run is selected. It provides submenus to move all times of a run to another run.

Report an issue
Opens a prepared email in your email software (if available) with some information about your system. Please add a description of the issue you want to report and send the email.

About
Information about the software version and change log. On macOS available under the application menu.

3.4. Buttons

Reset page
Deletes the entered content of the selected page.

Cancel and Close
Closes the software. Entered data be lost if not saved before closing.

Back
Navigates to the previous page if available.

Next
Navigates to next page if available.

Save XML
On the last available page of the report the Next button changes to Save XML. Entered data will be checked and the timing report XML file generated and saved.

Outputs
Only visible on the last available page of the report. Provides different output options of the timing report.

- `Save PDF` : Checks the data and saves a PDF version of the timing report

- `View XML` : Checks the data and opens a window for reviewing the XML file of the timing report
- `Save XML and Email` : Checks the data, saves the XML file of the timing report, and opens an email dialog to send the XML file by email directly out of the software

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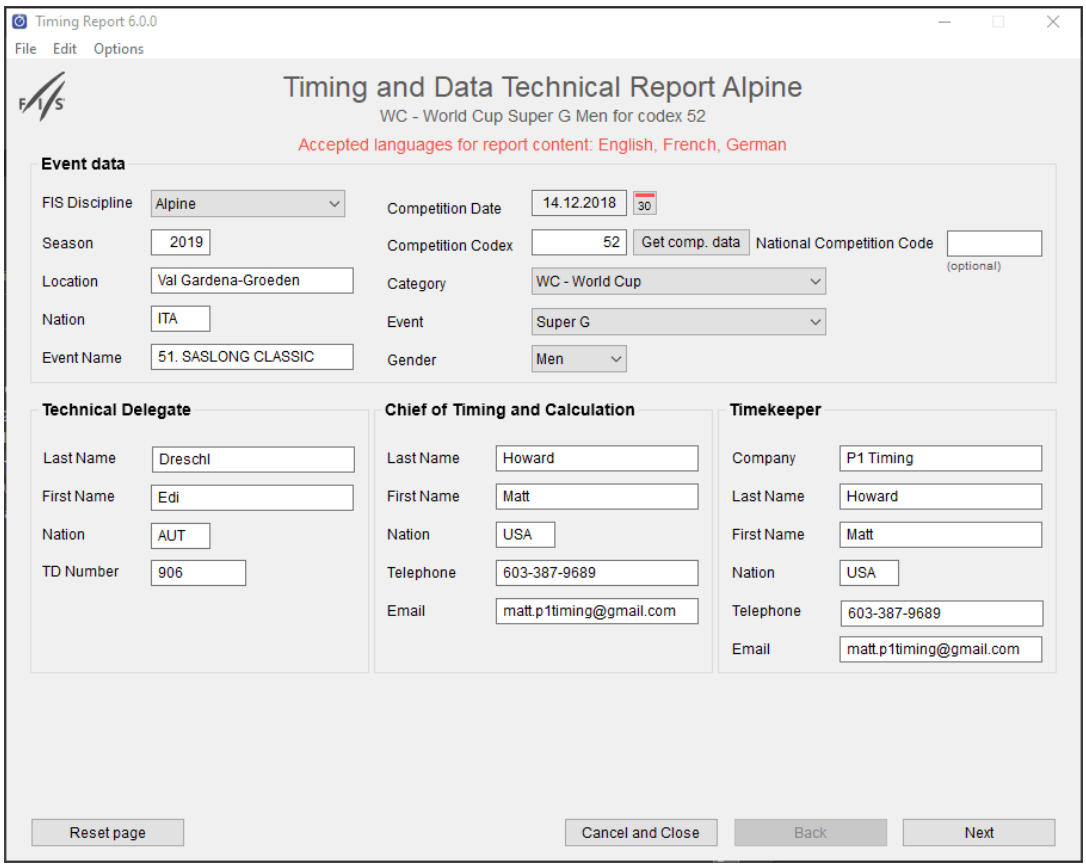
3.5. Page 1

Information of the FIS discipline and event, technical delegate, and timekeeper are mandatory.



3.5.1. Event data

Information about the event is mandatory.

FIS Discipline
Select box with all supported FIS disciplines. Once a discipline is selected the related categories and events will be loaded.

Season
Text field with the season of the competition. At software start the current season is automatically set.

Location
Text field with name of the location as described in the FIS Calendar, or if the event has been moved, the name of the ski area where it is being held.

Nation
Text field with nation of the location as described in the FIS calendar.

Event Name (optional)
Text field for the name of the event as it is described in the FIS Calendar and on the Official Results documents.

Competition date
Select the competition date as described in the FIS Calendar from the calendar dialog windows. FIS uses the dd.mm.yyyy format.

Competition Codex
All events in the FIS Calendar are assigned a code number so that they can be correctly identified. This competition ID-code number is called the “CODEX” and there is one codex for each competition that is assigned by discipline and gender. The codex for the competition can be found in the FIS Calendar. It must match the codex number used on your official results: Do not include information other than the four-numeric-character code.

Example: 0321

Using the button Get competition data after the codex has been entered the software will load all available data from FIS database online and automatically fills and sets the data for sections Event data and Technical Delegate.

National Competition Code (optional)
Text field for the national competition code to identify and use the timing reports on national level.

Category
Select box for the competition categories related to the selected FIS discipline.

Event
Select box for the competition event related to the selected FIS discipline.

Gender
Select box for the competition gender.

3.5.2. Technical Delegate

Information about the technical delegate is mandatory.

Last Name
Text field for last name of the technical delegate.

First Name
Text field for first name of the technical delegate.

Nation
Text field for nationality of the technical delegate.

TD Number (only used for Alpine, Snowboard, Freestyle, Masters, Para Alpine, Para Snowboard)
Text field for FIS TD number of the technical delegate.

3.5.3. Chief of Timing and Calculation (optional)

Information about the chief of timing and calculation is optional.

Last Name
Text field for last name of the chief of timing and calculation.

First Name
Text field for first name of the chief of timing and calculation.

Nation
Text field for nationality of the chief of timing and calculation.

Telephone
Text field for telephone number chief of timing and calculation.

Email
Text field for email address chief of timing and calculation.

3.5.4. Timekeeper

Contact information for timekeeper is mandatory. Default timekeeper information can be set in the Settings and will be reloaded with the next start of the software (details see chapter 4.2 Timekeeper).

Company (optional)
Text field for company name is the only optional field for the Timekeeper.

Last Name
Text field for last name of the timekeeper.

First Name
Text field for first name of the timekeeper.

Nation

Text field for nationality of the timekeeper.

Telephone

Text field for telephone number timekeeper.

Email

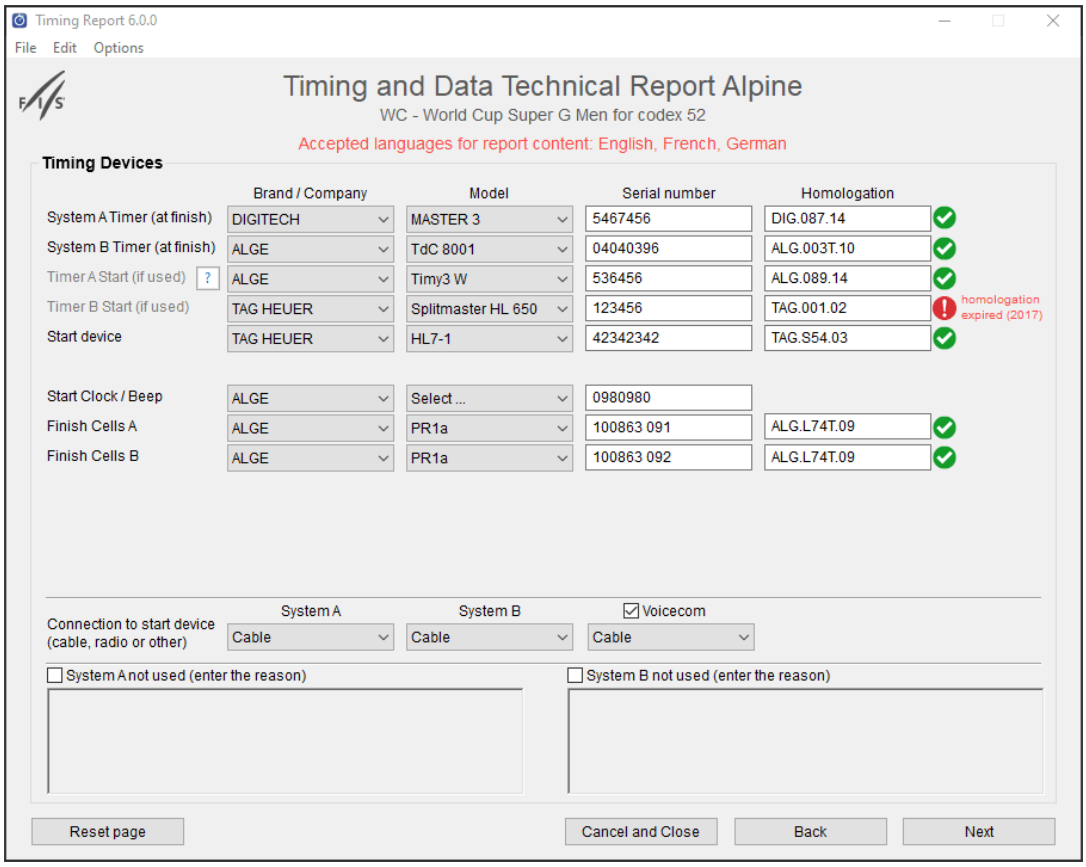
Text field for email address timekeeper.

3.6. Page 2 – Timing Devices

This section provides identification of the timing equipment and connections to start used for the competition.

All available timing device categories (timer, start device, finish cell, photo finish etc.) will be loaded based on the selected FIS discipline, category and event on page 1.

A default setup of the used timing hardware and software system can be set in the Settings and will be reloaded with each start of the software (see chapter 4.3 Timing devices).



3.6.1. Timing and timing support device identification and specification items

Brand

Select box for the brand name of the device manufacturer/company.

Examples: Longines, ALGE, TAG Heuer, Seiko

Model

Select box for the model's name of the device used.

Examples: TL5005, TdC 8001, CP 540, CT 400

Serial Number

Text field for the serial number of the timing device. Each device should have a manufacturer's serial number. This is found in a variety of places on timing equipment depending on the model and manufacturer. If not found on the bottom, rear or side of the device, check inside the printer or battery compartment. Contact your manufacturer or agent for complete information and have it handy. If one cannot be found, a number should be assigned and marked on the device.

Homologation number

Text field of the homologation number of the timing device. FIS issues a list of timers, start gates, start doors and photocells that have met the technical standards required for use at FIS competitions. Only timing equipment on the approved list may be used at FIS competitions that appear in FIS Calendar and is supported by this software. You can find the list with homologated timing equipment on FIS website at www.fis-ski.com. Failure to use equipment on that list will cause your event not to be considered for FIS points. Each piece of approved timing equipment will have a code number associated with it. A complete list of those homologation numbers can be found in the Homologated Timing Equipment list from the FIS. Use the appropriate homologation number for the approved device you are using. The homologation number is automatically loaded when the brand and model of a homologated device is selected.

Example: TAG.070T.08

The homologation number is only used and shown for disciplines or device categories with device homologation. Homologation of photo finish cameras is not yet required but the homologation number should be used for devices with homologation.

Markings of selected timing devices

- with a valid homologation
- without a valid homologation
- without a homologation (e.g. new device category) and special warning

Resolution (video system)

The recording resolution of the video camera system at start or finish (e.g., 720p = HD).

Frequency (video system)

The frequency (frame rate) of the video camera system at start or finish (e.g., 100 = 100fps).

3.6.2. Timing devices

System A Timer (at finish)
Main timing system timer at finish.

System B Timer (at finish)
Back-up timing system timer at finish.

Timer A and B Start (if used)
Separate timers at the start to record start time for a timing system setup without cable connection between start and finish or if required by rules.

Start device
A start device can be a start gate, start door or photocell depending on the FIS discipline and event rules. If a second start device is used (parallel events, Speed Skiing) a second start device become available.

Start clock / beep
Start clock at the start.

Finish Cells A and B
Photocells of systems A and B used at the finish line. For parallel events finish cells for the second course become available.

Photo finish camera A and B (if used)
Photo finish cameras of systems A and B used at finish line.

Connections to Start
This section deals with how your connections to the start were made for both the Main (System A) and Back-Up (System B) timers, and how you handled the voice communications requirements. In the boxes, insert the method used based on how you set up the two systems and the voice communication. Select “Cable” or indicate how the start time data was transmitted or carried to the timer at the finish.

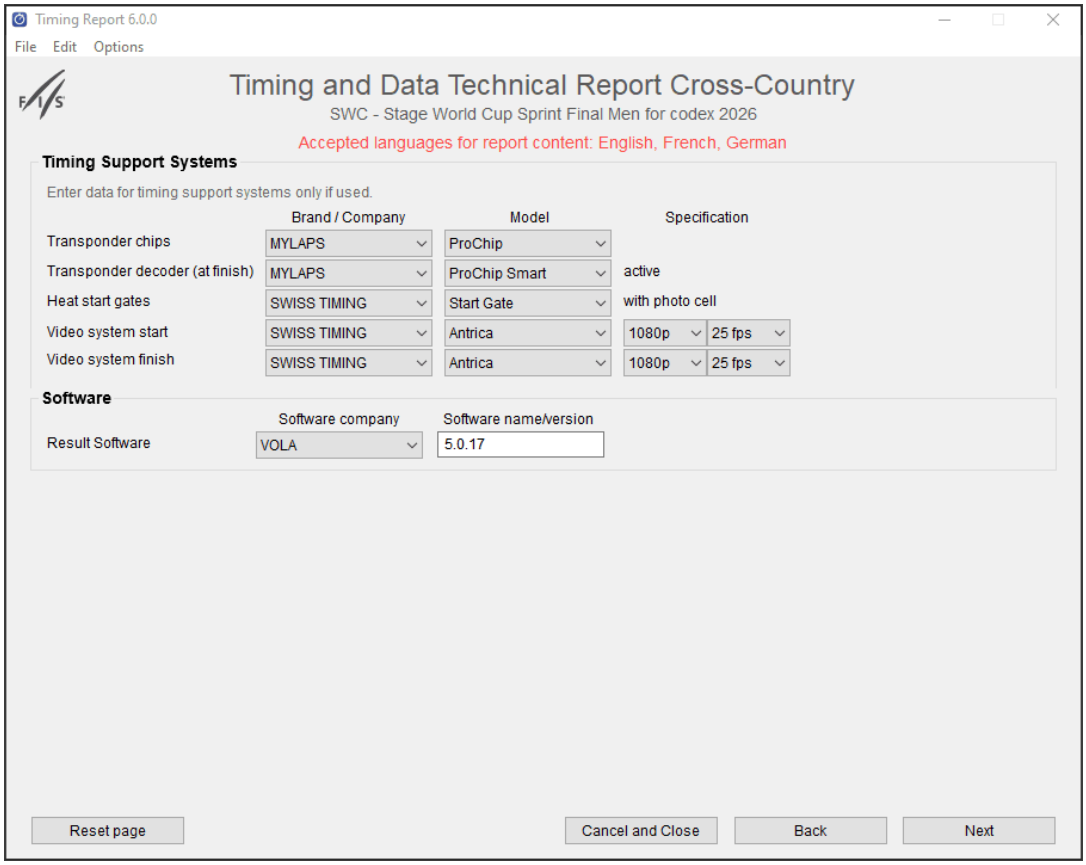
System A or B not used
If an issue occurred where system A or B were not used, specify in detail the reason(s) why.

3.7. Page 3 – Timing Support Systems / Software

This section provides identification of the timing support systems and its specification and result software.

All available timing support device categories (transponder chips and decoder, heat start gates, video systems) will be loaded based on the selected FIS discipline, category and event on page 1.

A default setup of the used timing support systems system can be set in the Settings and will be reloaded with each start of the software (see chapter 4.4 Timing Support Devices / Software).



3.7.1. Timing Support Systems

Transponder chips
Transponder chips used at finish.

Transponder decoder
Transponder decoder used at finish.

Heat start gates (used only for Cross-Country sprint finals)
Heat start gates used.

Video system
Video control system used at start or/and finish. Specify which video resolution and frequency (frame rate, fps = frames per second) was used.

3.7.2. Software

Results software
Specify the software company and version of the software that you use to produce the result lists for the competition.

> **Attention:** Always check the results from the printed tape of the timing device with the results that you get from the software. These data must be identical.

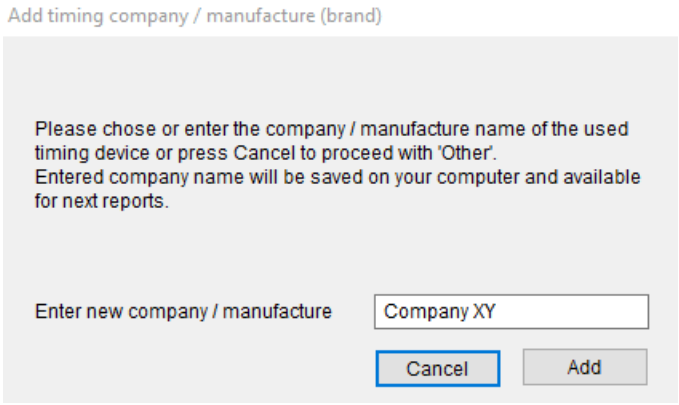
3.7.3. Add new timing device / timing support system

If a timing device or timing support system is not in the list of available devices within the software, new device company/manufacture brands and models can be added.

The available company/manufacture brands for each timing device category and the device model of each timing device category are synchronized with the homologated and known timing devices in the FIS database. The list of timing devices is updated periodically when the application starts with an available internet connection. Timing support system devices are only saved locally.

Add new timing device company/manufacture brand

If a company/manufacture brand is not available in the selectable brand list, you can add a new brand by selecting Other at the end of each brand list. It will open a dialog to enter a new company/manufacture brand name.



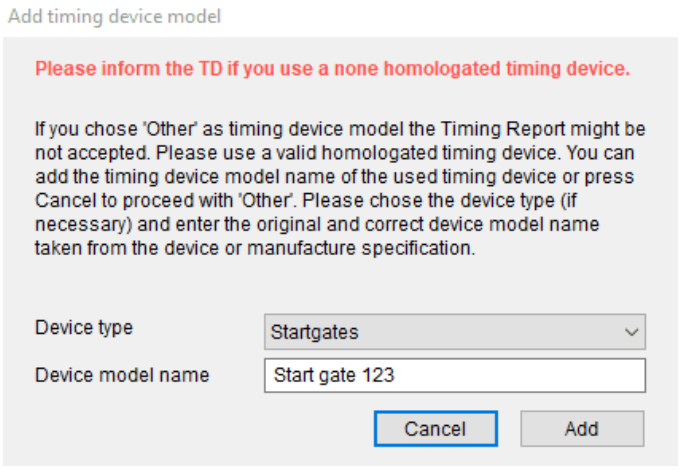
Press *Add* to save the new company/manufacture brand. If you have entered a new company/manufacture brand name those data are saved in a local database on your computer and you can select this brand for other reports on your computer.

Please avoid sending timing reports where "Other" for company/manufacture brand is selected, but rather enter the company/manufacture brand of the device being used.

Add new timing / timing support device model

If a device model is not available in the selectable model list of a device category and for a certain company/manufacture brand a new model can be added by selecting Other at the end of each model list. It will open a dialog and to enter a new model name. When new start device, transponder or heat start gate is entered the device type of the device must be selected. For all other devices the device type is pre-selected and cannot be changed.

Please always enter the original and correct device model name taken from the device or manufacture specification.



Press *Add* to save the new device model. If a new device model name was entered those data are saved in a local database on your computer and this model remains available for selection for other reports on your computer.

> Please avoid sending timing reports where “Other” for company/manufacture brand is selected, but rather enter the company/manufacture brand of the device being used.

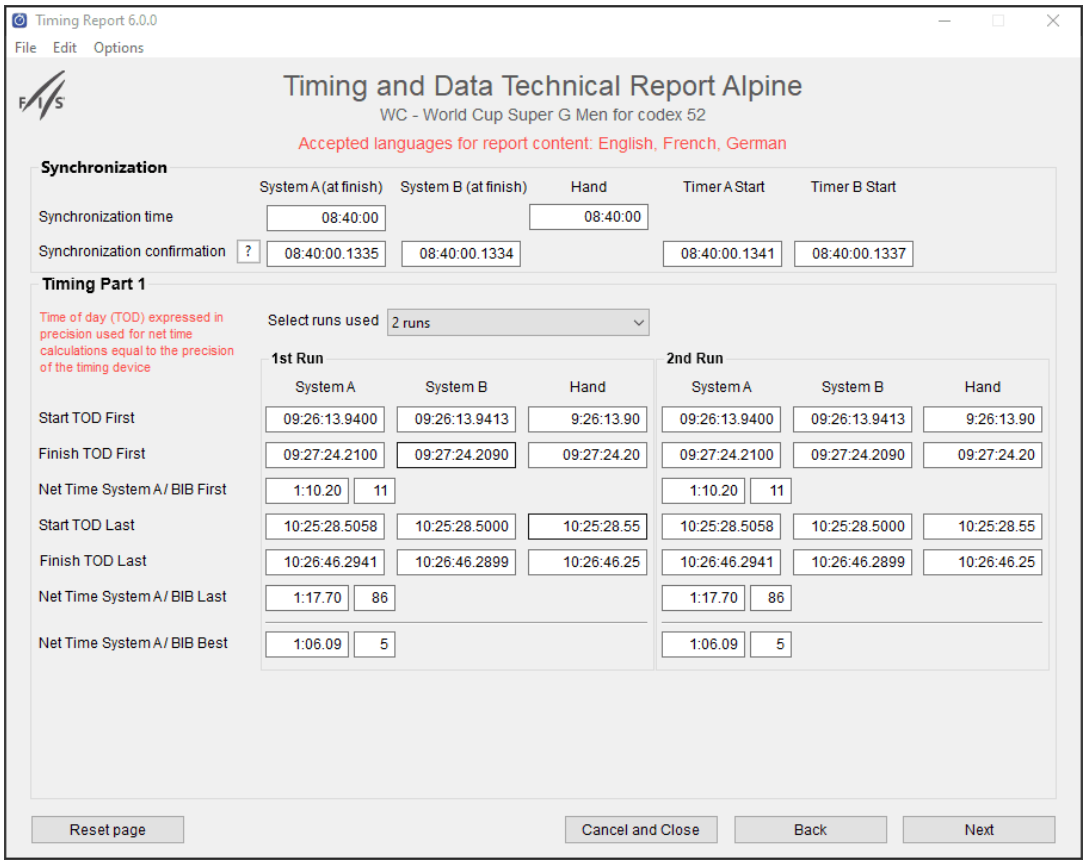
> **Note** The use of non-homologated timing devices in timing reports for FIS disciplines where homologated timing devices are mandatory may result in the timing report not being accepted. Please always inform the TD if non-homologated timing devices are used. Timing support devices are not subjects of homologation.

3.8. Page 4

This page provides the proof that your timing systems and hand timing were synchronized and functioning as required by the rules. Timing information for each run must be taken only from the timer tapes, to allow the FIS to see that you did the timing correctly. Hand timing data may come from tapes, printouts, or hand-written records. Be prepared to gather this information from the timer tapes as it happens, or at least to know where to find it after each run. It is critical that this information be correctly retrieved and indicated on the form.

The setup and combination of shown runs or heats and data fields on this page depends on the selected FIS discipline, category and event on page 1.

> Page 4 is currently not used for timing reports for Freestyle Dual Moguls.



Synchronization time
Time of the first synchronization.

Synchronization confirmation (after first Synchronization)
Synchronization to the time of day for all systems must be accomplished. Connect all timing devices that run in time of day at one start source (one single contact for triggering all devices) and start the time of day of all timing devices. Trigger the timing devices again at least one minute after 1st sync and check if the time of day for this impulse is within a 1/1000ths (0.001 sec.) for system A and B (at finish) and timers A and B at start (only visible if timers are used). If they are not, you must re-synchronize and try again. Note that four spaces are provided for indications about synchronization of the four required timers when events are being timed without hill cable.

Indicate the actual readings in Time of Day (TOD) you take from the System A and System B tapes to the 1/1000th of a second or better (same precision as printed on the timing tape).

```
Example: 10:00:51.225  for (1/1000 precision)
         10:00:51.2251 for (1/10000 precision)
```

Select runs used
Provides a selection of the available run options.

Start TOD First
Enter the start time of day from the first competitor to finish his run for system A and B and hand time.

Finish TOD First
Enter the finish time of day from the first competitor to finish his run for system A and B and hand time.

Start TOD Last
Enter the start time of day from the last competitor to finish his run for system A and B and hand time. For CC, NK Mass Start, Gundersen, and Pursuit it is the same time as Start TOD First

Finish TOD Last
Enter the finish time of day from the last competitor to finish his run for system A and B and hand time.

Time of day (TOD) expressed in precision used for net time calculations must be equal to the precision of the timing device. Hand time only appears for events and categories where hand timing is mandatory.

Hand timing is mandatory for all competitions as defined in the respective FIS discipline ICR. These fields allow you to provide the evidence that hand timing was used and how well it was done. The hand times used are the time-of-day entries your hand timers record. Time of day of the hand time should be comparable to system A and B (no big-time difference). Where a large time difference is identified, an explanation should be provided in the Comments section.

Net Time System A / BIB First/Last

These fields are used to indicate the actual elapsed net times or speed (Speed Skiing) and the related BIB for two samples of the first and last athletes on course who made it to the finish, as recorded on System A. These must be identical to the net times or speed used on the results and are indicated to the 1/100th (0.01) of a second or kilometers per hour with 1/100. This allows you to check if the calculation of the net times on course, as derived from the Time-of-Day times recorded on the System A tapes, was done correctly. Times are expressed in Min/Sec/100ths. You should also use this as an opportunity to check that the times used on the results match those calculated from the timer tapes.

```
Example time:  1:00.91
Example speed: 231.52
```

Net Time System A / BIB Best

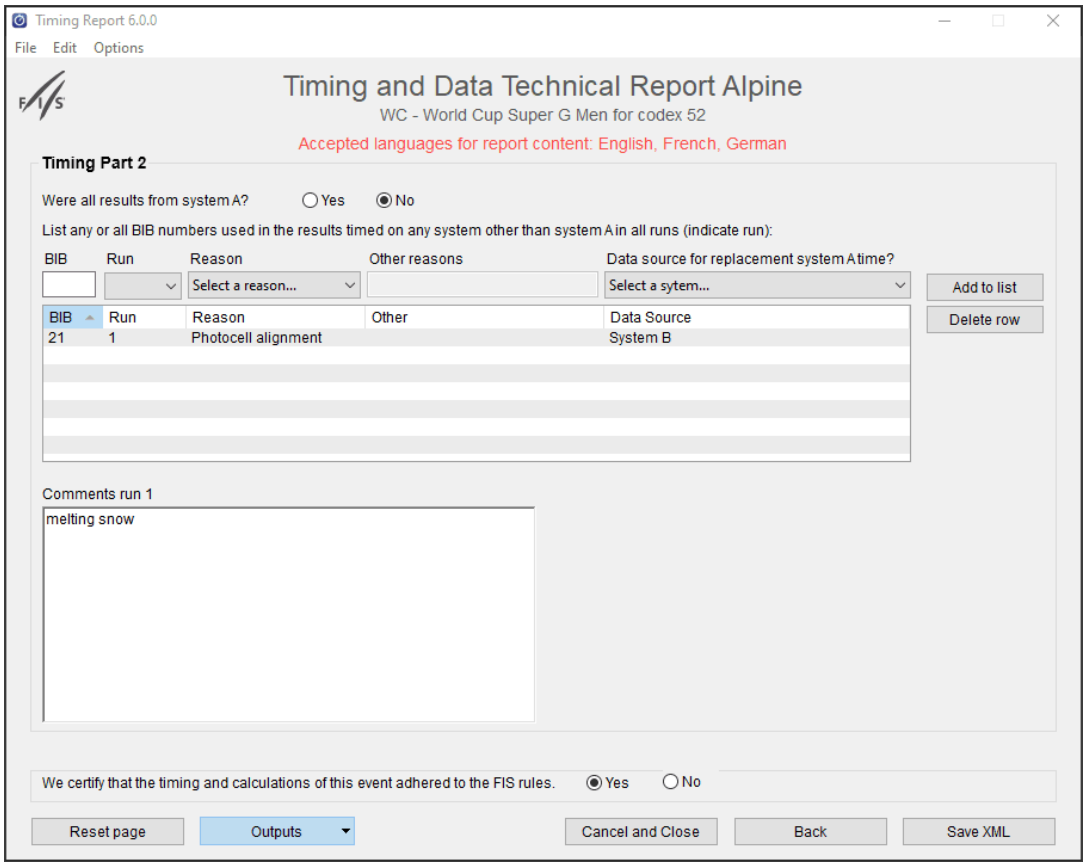
Indicate the fastest time or speed (Speed Skiing) obtained in that run and which BIB it was assigned to.

Net Times only to be used if applicable

Delayed start door used? (only for Parallel events)

Set the option if a delay start door was used for start. Check the appropriate option “Yes” or “No”.

3.9. Page 5



Were all times from system A?

Indicate if all competitors were timed during this run using system A as required by FIS rules. Check the appropriate option “Yes” or “No”.

List the bib numbers that appear in the results that were timed on any system other than system A in all runs (indicate run)

If you answered “No” in the section above, list the bib number(s) of the competitor(s) and the respective run number, who were timed on System B or using Hand Timing for each replacement System A time calculation. Indicate the reason for the problem(s) by marking it and/or describing it.

Comments

Describe any problems or comment upon corrective actions that were necessary during the timing of any run held during this series. Obviously if you have any competitors who have times used on the results from anything other than System A, you should explain this here. The TD should indicate if any timing component used requires verification or service before the next event. This provides the opportunity to indicate if any of the equipment, wiring or other components requires service or

corrective actions before the next event. This could apply to staff and procedures as well as equipment. This can include comments even if all times were derived from System A.

We certify that the timing and calculations of this event adhered to the rules.
This is a direct statement that requires a “Yes” or “No” answer.

Both FIS Technical Delegate and the Chief of Timing and Calculation must review and complete this documentation and attest to the accuracy of the information contained herein.

4. Settings

Default settings which can be set for software usage. All setting information are saved to your computer and will be loaded and used each time when the application starts.

4.1. General

Timing Report for FIS discipline
Select the default timing report FIS discipline. Will apply when the application starts.

Update discipline parameter
Updates the lists of categories and competition formats (events) from FIS database. To check and receive updates, the software needs an internet connection. Those parameters are also automatically updated weekly when your computer is online and the application starts.

Show PDF after saving
If a timing report PDF output was saved, the PDF will be automatically opened and shown.

Disable email dialog after saving XML
Disables the email dialog for sending the report XML which is shown by default after a new installation.

Write log file
Writes general information about the software usage to a log file in the background.

Write debug information to log file
Writes detailed information about the software usage to the log file in the background. Only enable when needed e.g. on request for FIS support.

Show log file
Opens and shows the log file.

Log file can be found on following paths:

```
Windows: C:\Users\
[YOUR_USER_NAME]\AppData\Roaming\TimingReport\timingreport.log
macOS:   ~/Users/[YOUR_USER_NAME]/Library/Application
Support/TimingReport/timingreport.log
```

In case of an issue and support request to FIS, FIS IT support may ask to enable all log file options and to send the log file by email. Please send the log file compressed as ZIP file if possible.

Show user notification (macOS only)
Enables the macOS application user notification for received or available updates of data parameters or the software.

Default start up TR XML file
Path for external timing report XML file. The default start-up TR XML file can be used for data transfer from other software to import a Timing Report XML at program start. If not set, the program always checks if a default file (`fis-tr-default.xml) is available in the program root path. The default file is only used if available. You don't need to set the file if not used.

4.2. Timekeeper

Enter the default timekeeper contact information to be loaded and used for each start of the application and automatically filled to the timekeeper section on page 1 (see chapter 3.5.4 Timekeeper).

4.3. Timing Devices

Enter all timing devices and connection to start specifications of your timing equipment to be loaded and used for each start of the application and automatically filled to the timing device section on page 2 (see chapter 3.6 Page 2 – Timing Devices).

Update timing device
Updates the lists of timing device manufactures/company brands, models and software companies from FIS database. An internet connection is needed to be online to do the update. Those parameters are also automatically updated weekly when your computer is online and the application starts.

4.4. Timing Support Systems / Software

Enter all timing support system devices and result software of your timing equipment to be loaded and used for each start of the application and automatically filled to the timing device section on page 3 (see chapter 3.7 Page 3 – Timing Support Systems / Software).

4.5. Email

Enter all information of your email account to be able to send the timing report XML file directly out of the software. If you don't know your email account and setting information, please ask your email administrator or email provider.

Enable *Always send XML file with email after saving* to show the email dialog each time after saving the timing report XML file.

Please note that the email functionality may not work with all email provider or email account settings. In case of an issue, we recommend sending the timing report XML file as attachment to an email with your standard email software.

5. Best practices

To avoid entering certain information of the timing report again and again for each new report here some hints to create timing reports with the Timing Report software as fast and efficient as possible.

5.1. Load event, competition and TD information online from FIS database

Event data, competition details and TD information can be loaded from the FIS database. Your computer needs an internet connection to load that information. Just enter the codex of the competition on page 1 of the timing report software, press the button Get competition data and all available information of the competition and TD should be loaded to the respective data fields. The National Competition Codex must only to be entered if needed (e.g., for identification of the competition on national level). For more details see chapter 3.5 Page 1.

5.2. Use Settings

The following information can be set as default information in the Settings for one timing equipment:

- timekeeper contact information
- timing devices
- result software
- connections to start
- email account settings

Any time the application starts, the information from Settings is loaded to the respective data fields in the software and only the timing specific data to the timing report (page 3, 4) still needs to be entered. All default data of the report can of course be changed in the report or Settings at any time. For more details see chapter 4.

5.3. Manage Settings for two or more timekeeper or timing equipment

For different timing teams or timing equipment or setups there are two options to set and manage different settings of the software.

Option 1

Enter all information for a timekeeper and/or timing equipment and setup as described in chapter 5.2. Go to software menu File and chose Export Settings to save the settings to a file. Repeat that for all combinations of timekeeper and/or timing equipment and setups.

To load the different settings, go to software menu File and chose Import Settings and select the settings file to import the settings. The settings are now loaded to the Settings. The application needs to be restarted to load the default information to the software.

Option 2

Enter all information for a timekeeper and/or timing equipment and setup in the software on page 1 and 2. Go to software menu File and chose Save XML draft to save the settings to a timing report XML draft file. Repeat that for all combinations of timekeeper and/or timing equipment and setups needed.

To load the different settings, go to software menu File and chose Load XML and select the timing report XML draft file to import the settings. The settings are now loaded directly into the software and a restart of the application is not needed.

5.4. Enter times for time of day (TOD) input fields

Times can be entered to the time input fields in the software in two ways.

a) Regular time format using numbers, ":" and ".": 13:21:56.986
b) Using numbers only: 132156986

The software provides an auto formatting for the time input fields. The out will be in both cases: 13:21:56.986

The auto formatting to enter the time like in example b) has some limitations due to the variable number of digits which can be entered caused by the timing precision used. Also affected are day times before 10 o'clock.

The entered numbers **132156986** could mean following times:

1. With 1/1000 of seconds:
   13:21:56.986 (valid time format and provided by software)
2. With 1/10000 of seconds:
   1:32:15.6986 (valid time format and not provided by software)
3. With 1/100000 of seconds:
   13:21:56986 (not valid time format)

To get valid and correctly auto formatted times for example 2 and 3 the input must be supplemented by leading zeros (0).

For 2.: enter 0132156986:
01:32:15.6986
This format should also be used to enter times before 10 o'clock.

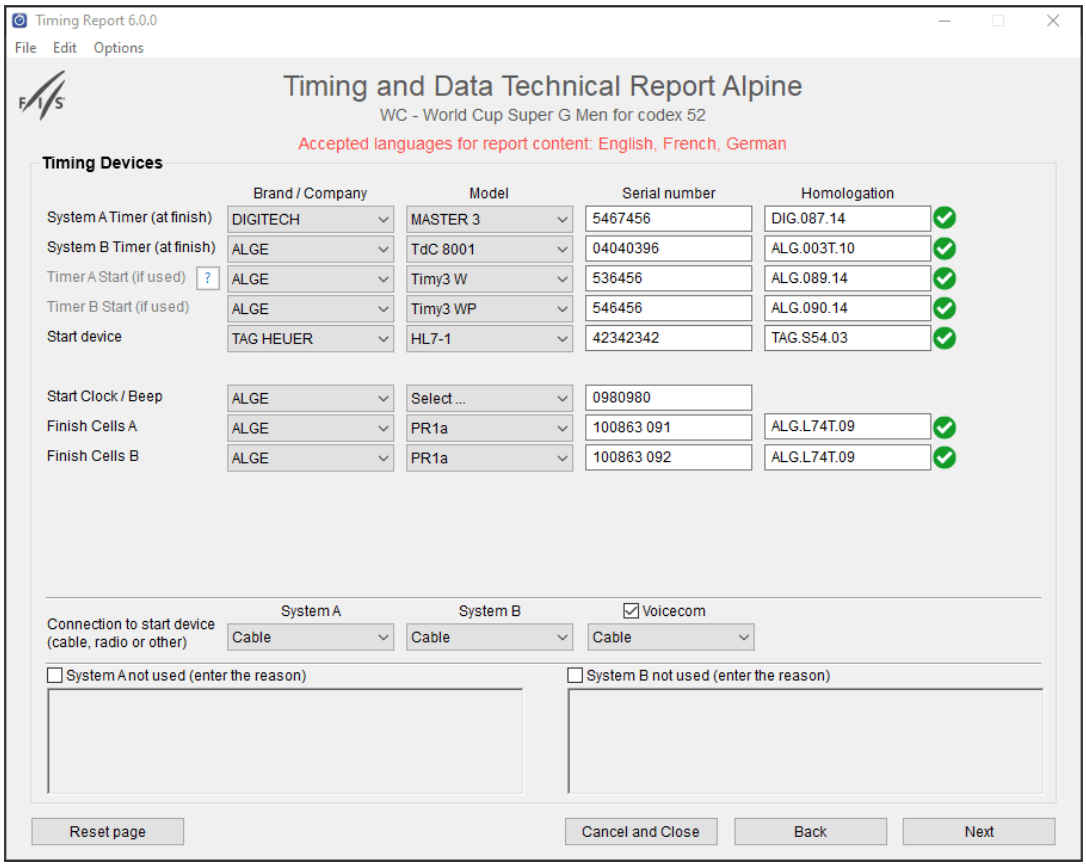
For 3.: enter 00132156986:
00:13:21.56986

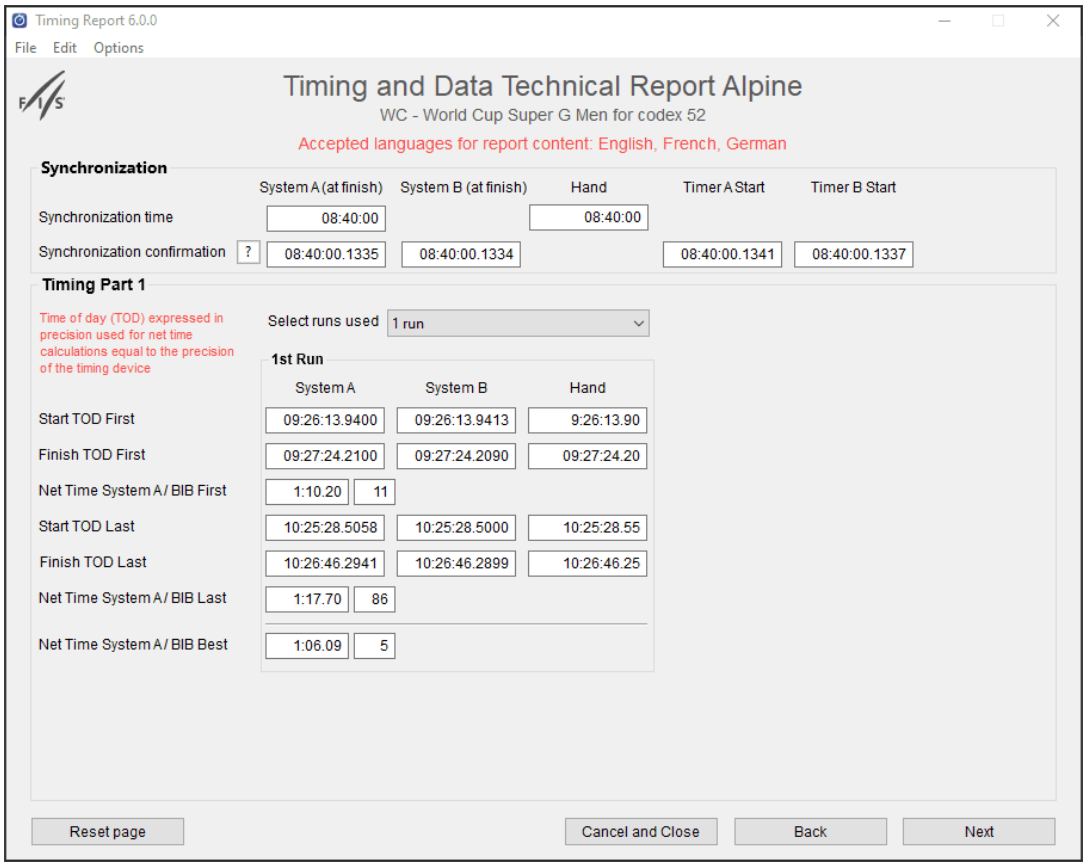
6. Discipline specific examples

Examples below mainly show different screenshots of the Timing Report software page 2 with timing device data and page 3 with timing data (if used).

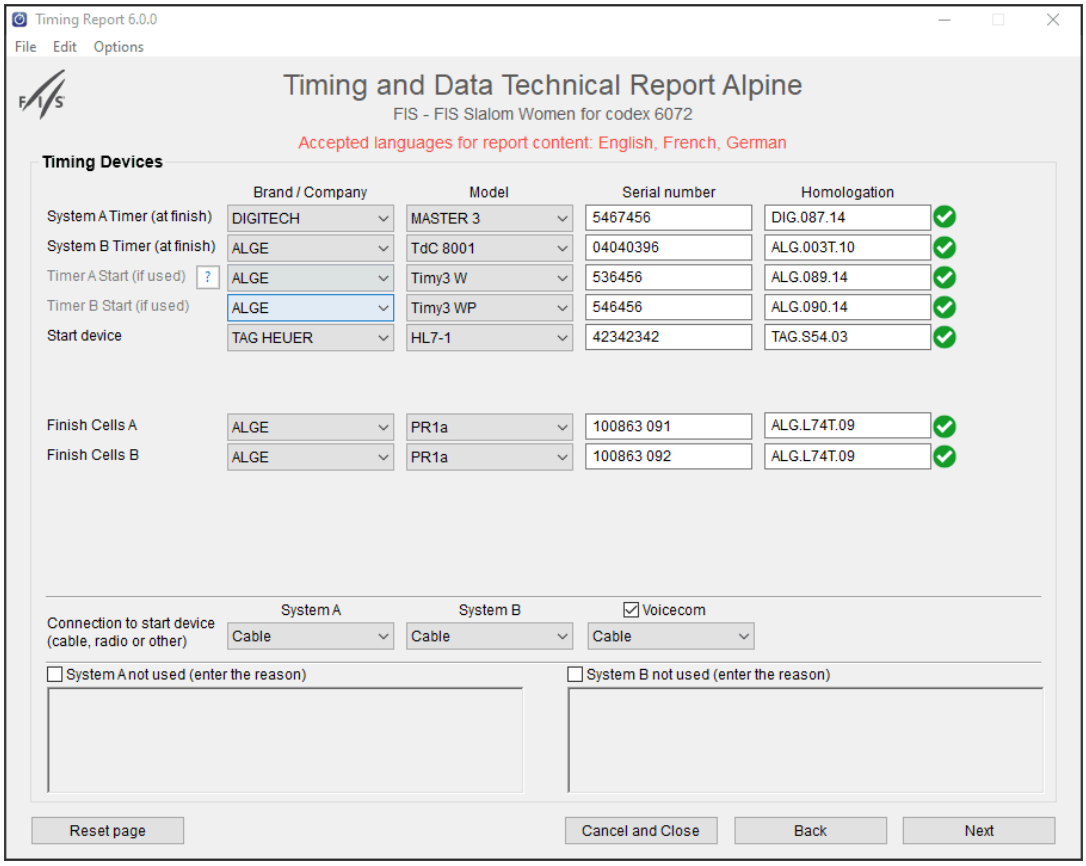
6.1. Alpine

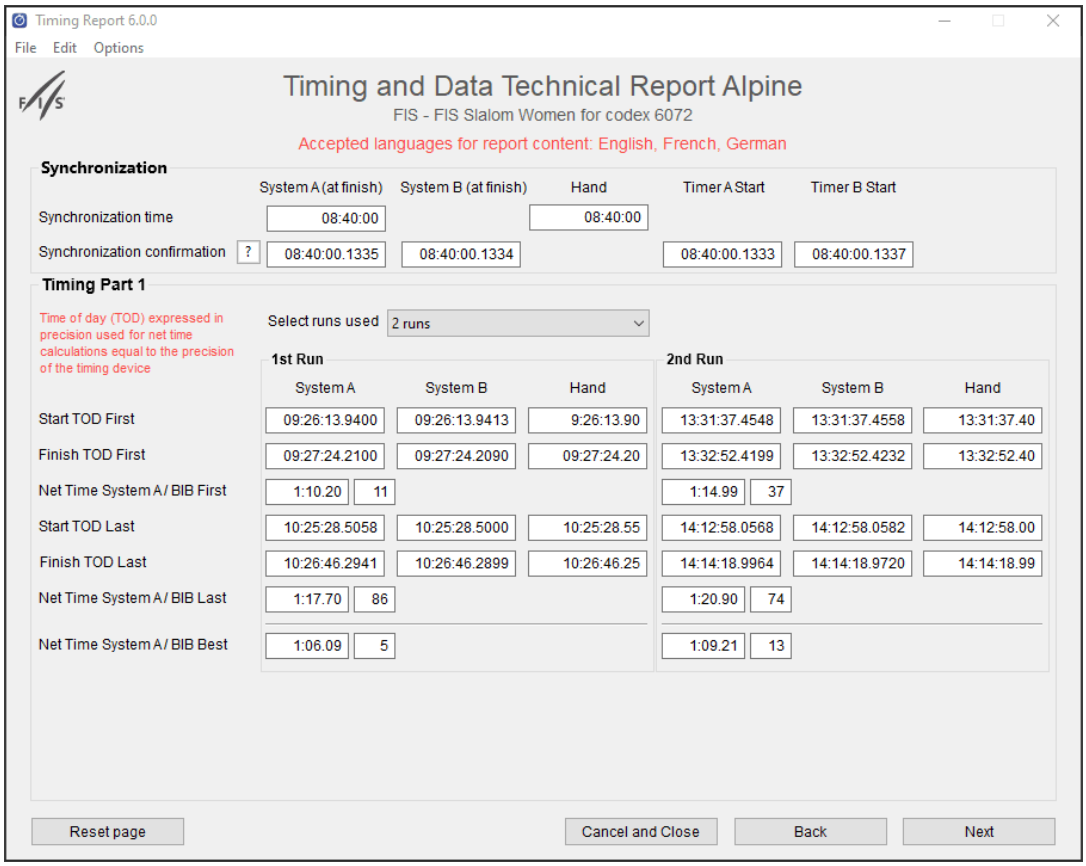
6.1.1. Competition with 1 run



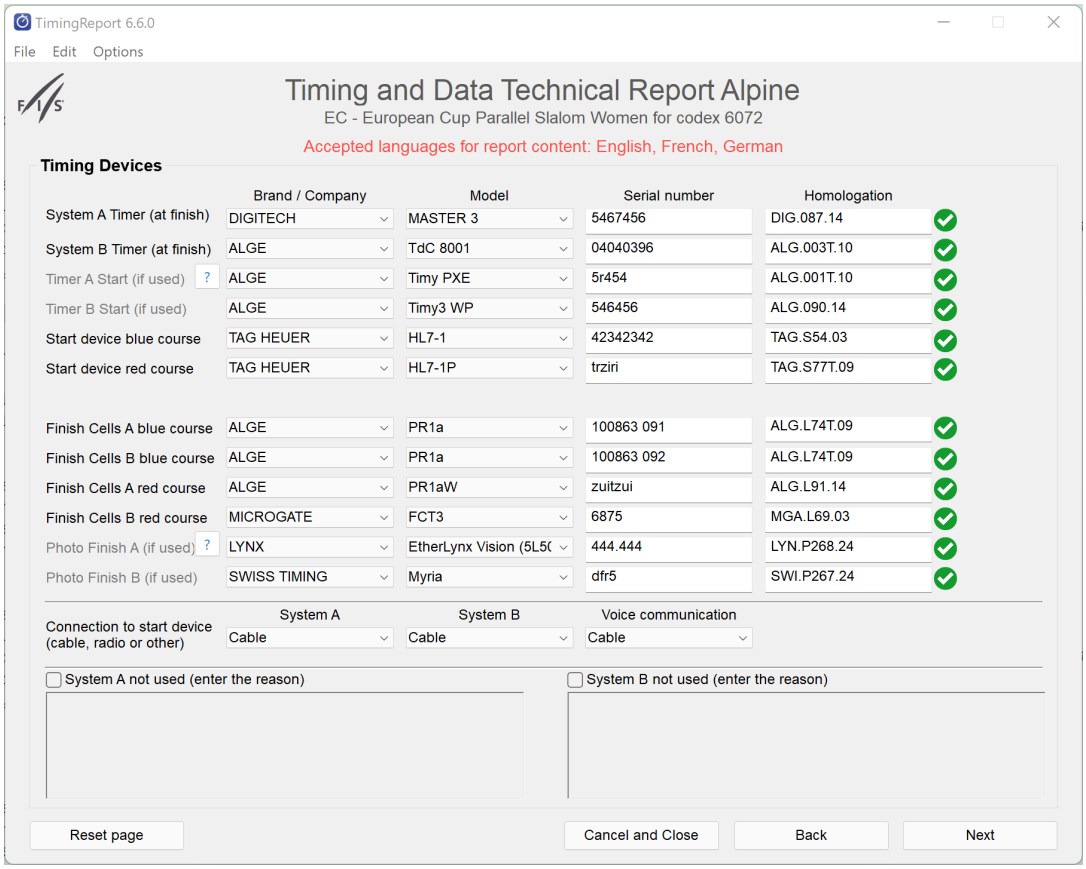


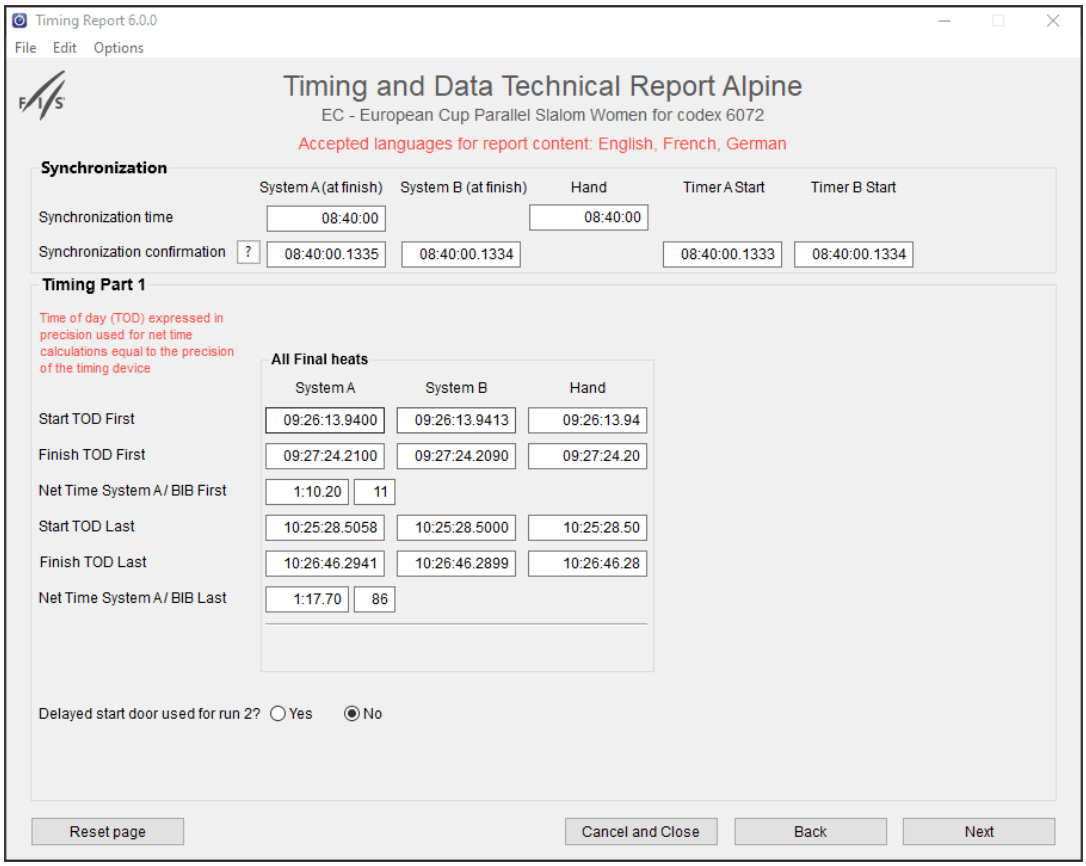
6.2. Competition with 2 run





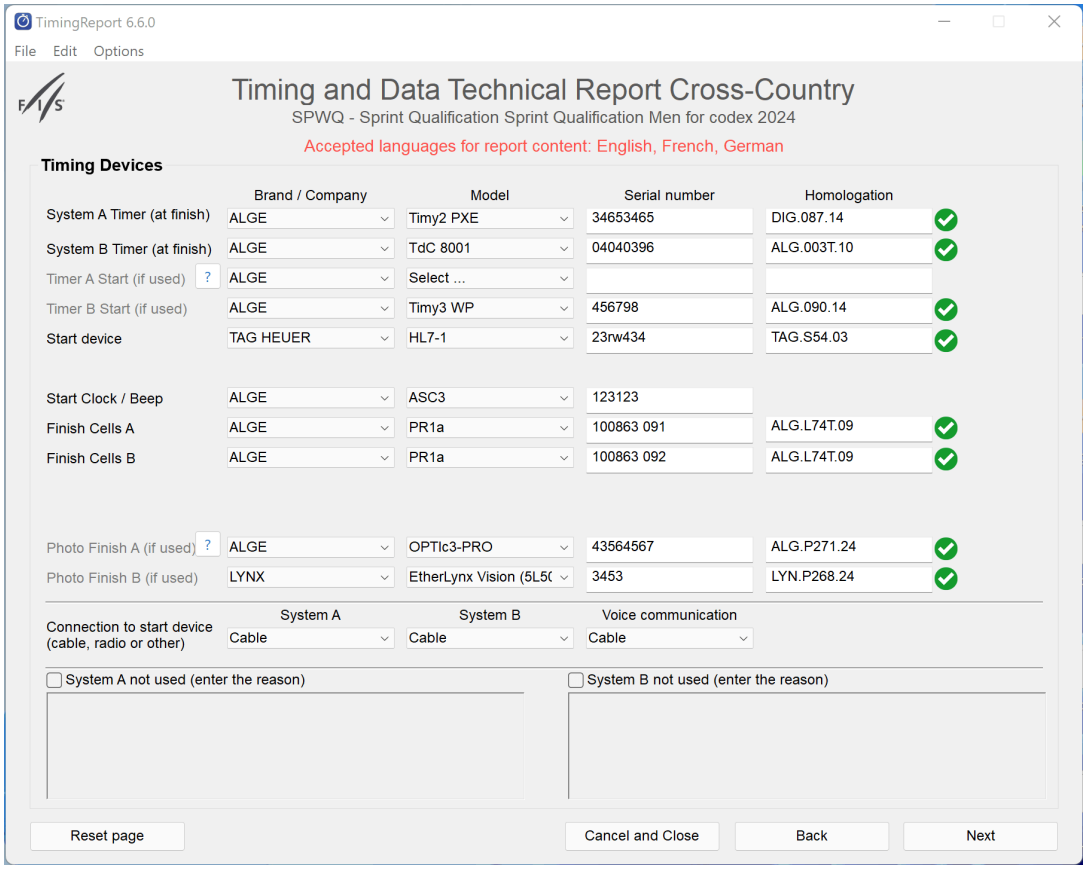
6.2.1. Competition with heats

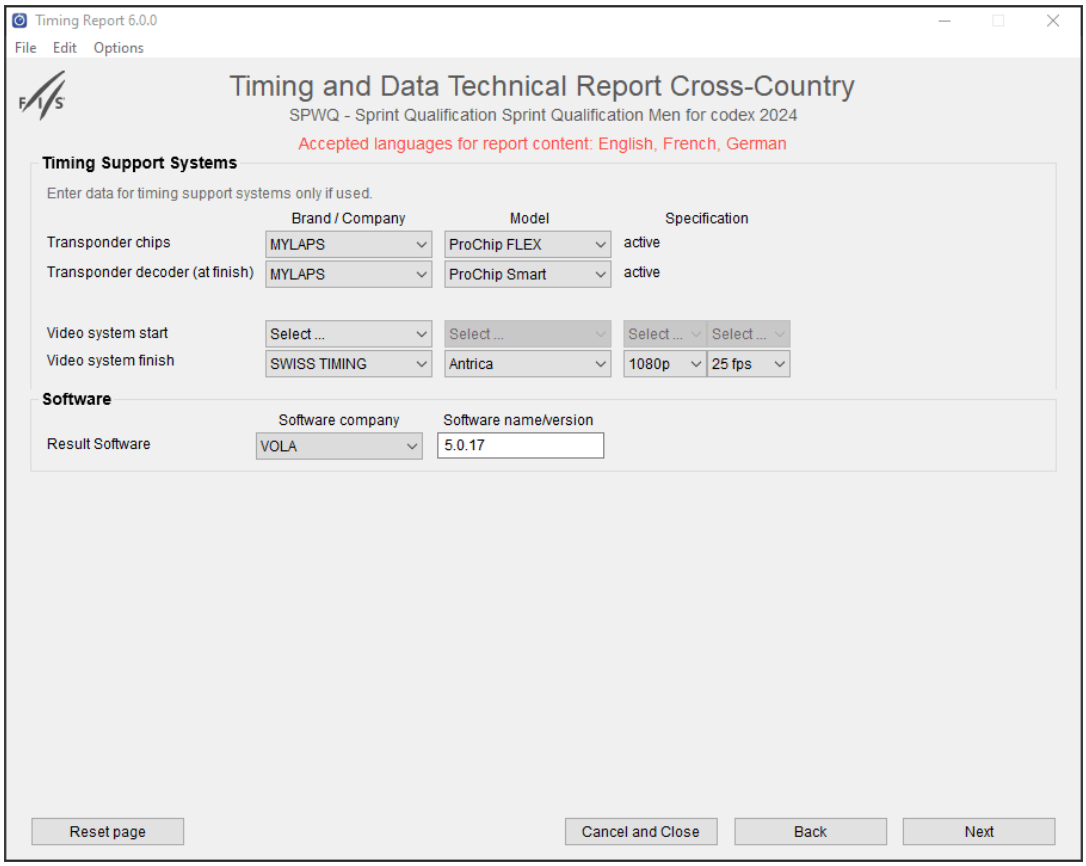


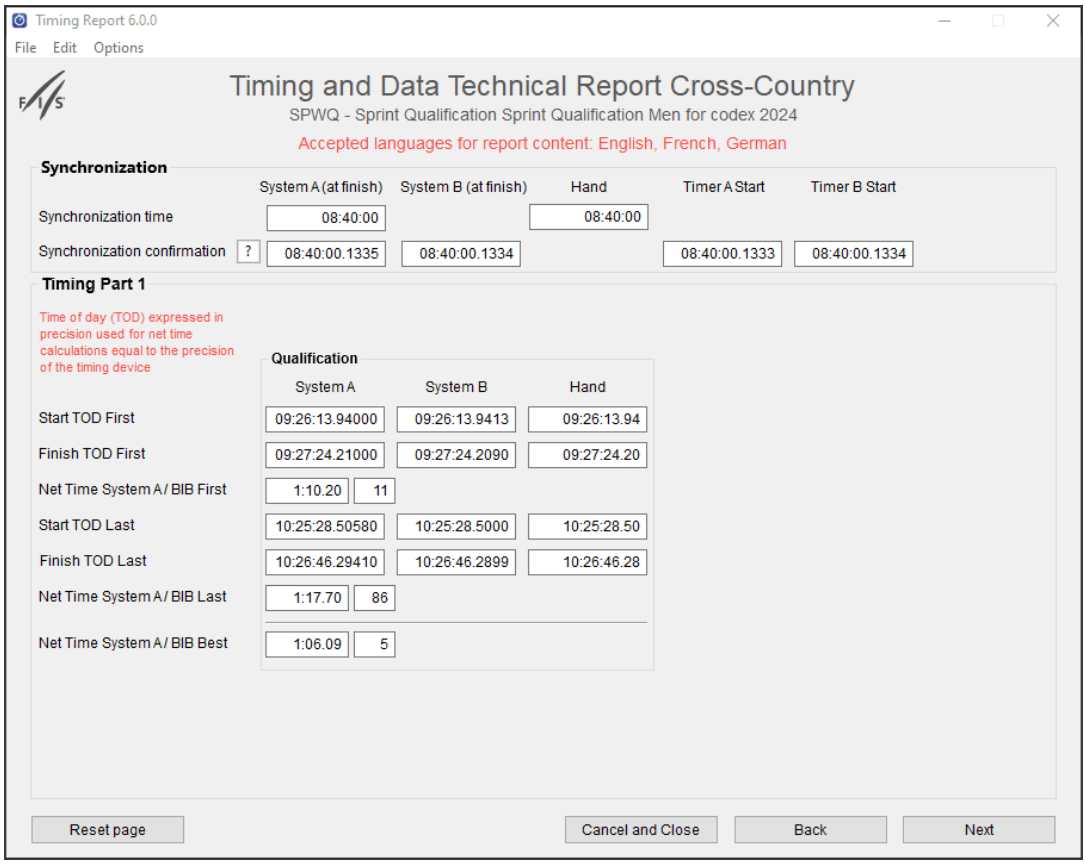

Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Alpine
EC - European Cup Parallel Slalom Women for codex 6072
Accepted languages for report content: English, French, German
Synchronization
System A (at finish) System B (at finish) Hand Timer A Start Timer B Start
Synchronization time 08:40:00 08:40:00
Synchronization confirmation ? 08:40:00.1335 08:40:00.1334 08:40:00.1333 08:40:00.1334
Timing Part 1
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device
All Final heats
System A System B Hand
Start TOD First 09:26:13.9400 09:26:13.9413 09:26:13.94
Finish TOD First 09:27:24.2100 09:27:24.2090 09:27:24.20
Net Time System A / BIB First 1:10.20 11
Start TOD Last 10:25:28.5058 10:25:28.5000 10:25:28.50
Finish TOD Last 10:26:46.2941 10:26:46.2899 10:26:46.28
Net Time System A / BIB Last 1:17.70 86
Delayed start door used for run 2? Yes No
Reset page
Cancel and Close
Back
Next

6.3. Cross-Country/Nordic Combined

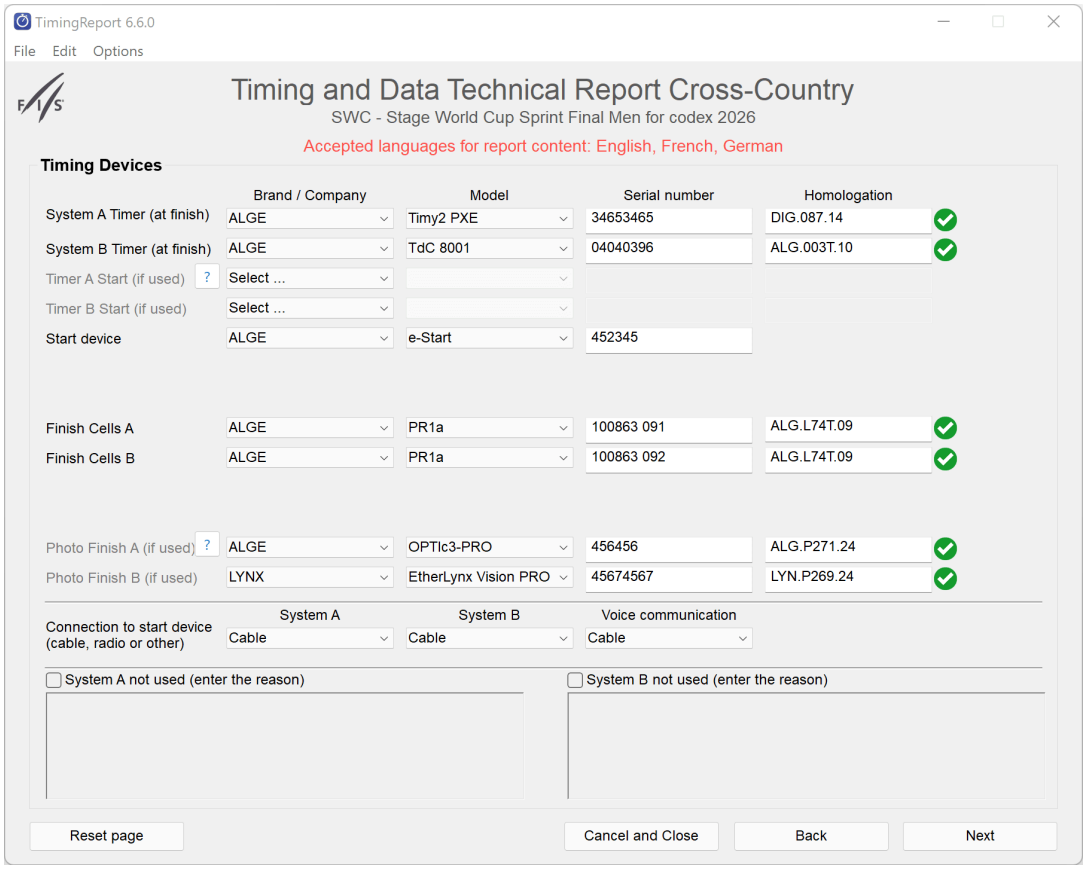
6.3.1. Individual, Sprint Qualification

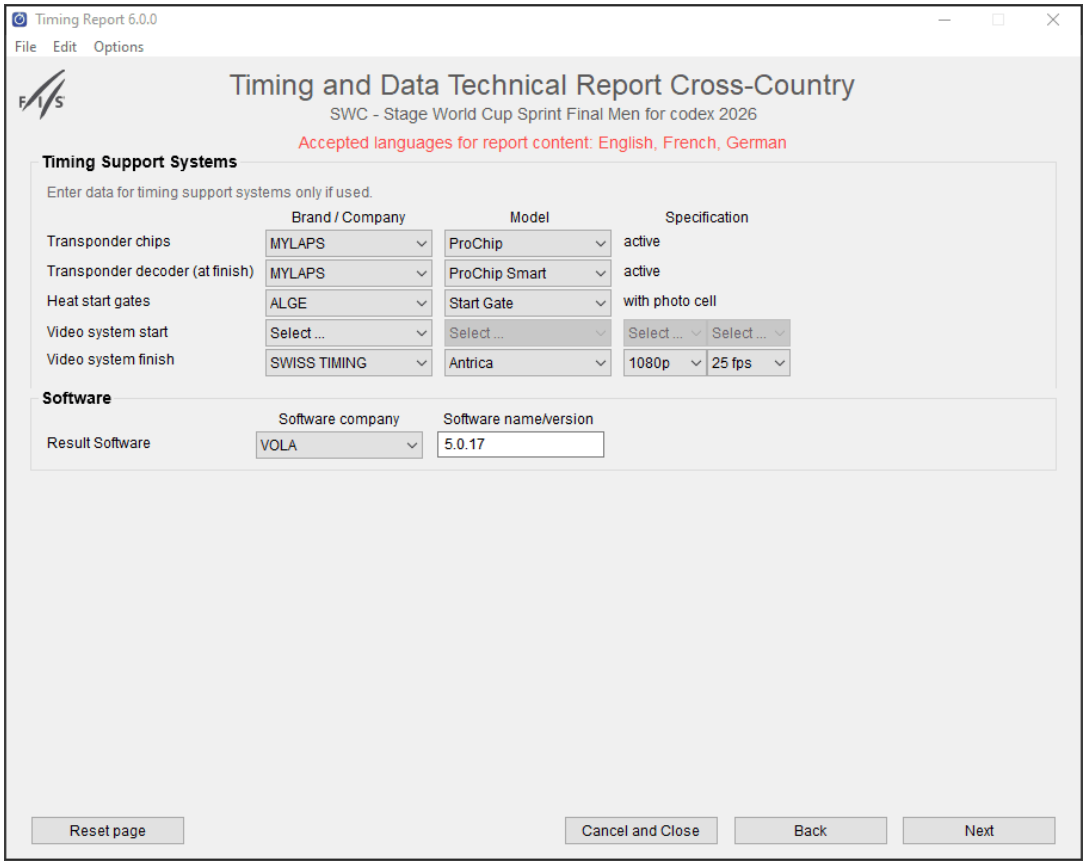


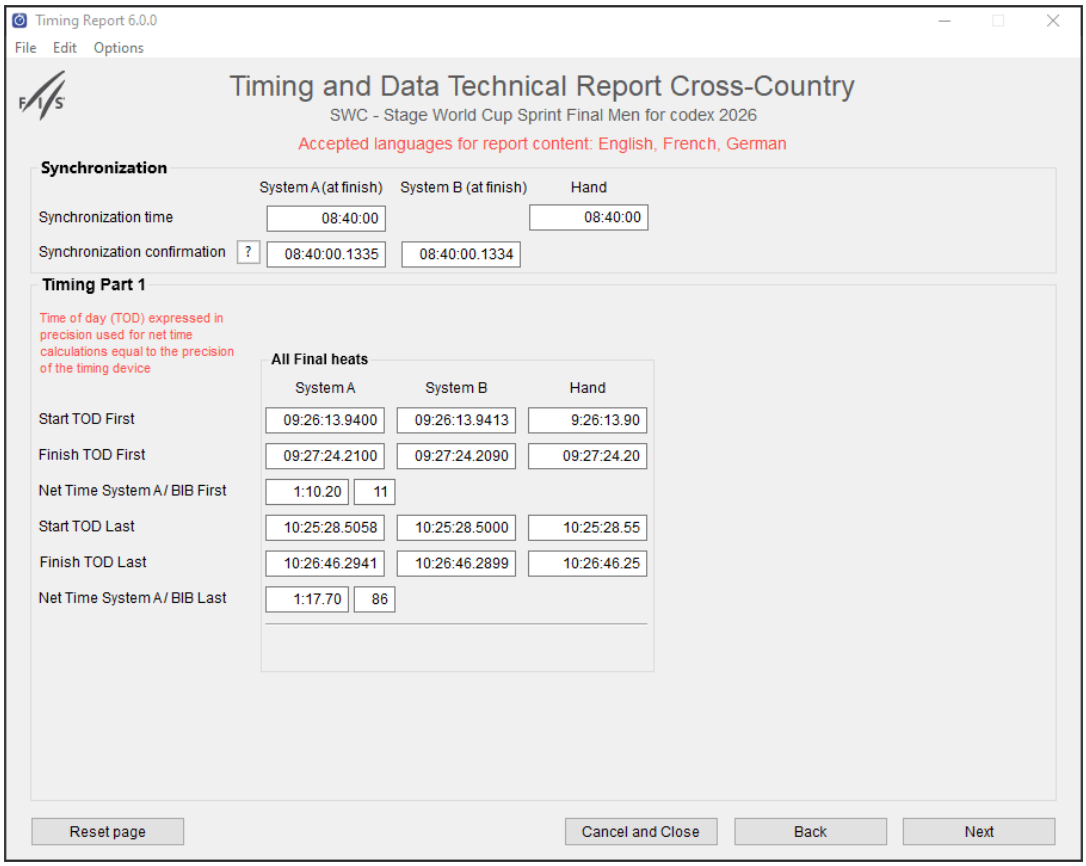

Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Cross-Country
SPWQ - Sprint Qualification Sprint Qualification Men for codex 2024
Accepted languages for report content: English, French, German
Timing Support Systems
Enter data for timing support systems only if used.
Brand / Company
Model
Specification
Transponder chips
MYLAPS
ProChip FLEX
active
Transponder decoder (at finish)
MYLAPS
ProChip Smart
active
Video system start
Select ...
Video system finish
SWISS TIMING
Antrica
1080p
25 fps
Software
Software company
Software name/version
Result Software
VOLA
5.0.17
Reset page
Cancel and Close
Back
Next


Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Cross-Country
SPWQ - Sprint Qualification Sprint Qualification Men for codex 2024
Accepted languages for report content: English, French, German
Synchronization
System A (at finish)
System B (at finish)
Hand
Timer A Start
Timer B Start
Synchronization time
08:40:00
08:40:00
Synchronization confirmation
?
08:40:00.1335
08:40:00.1334
08:40:00.1333
08:40:00.1334
Timing Part 1
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device
Qualification
System A
System B
Hand
Start TOD First
09:26:13.94000
09:26:13.9413
09:26:13.94
Finish TOD First
09:27:24.21000
09:27:24.2090
09:27:24.20
Net Time System A / BIB First
1:10.20
11
Start TOD Last
10:25:28.50580
10:25:28.5000
10:25:28.50
Finish TOD Last
10:26:46.29410
10:26:46.2899
10:26:46.28
Net Time System A / BIB Last
1:17.70
86
Net Time System A / BIB Best
1:06.09
5
Reset page
Cancel and Close
Back
Next

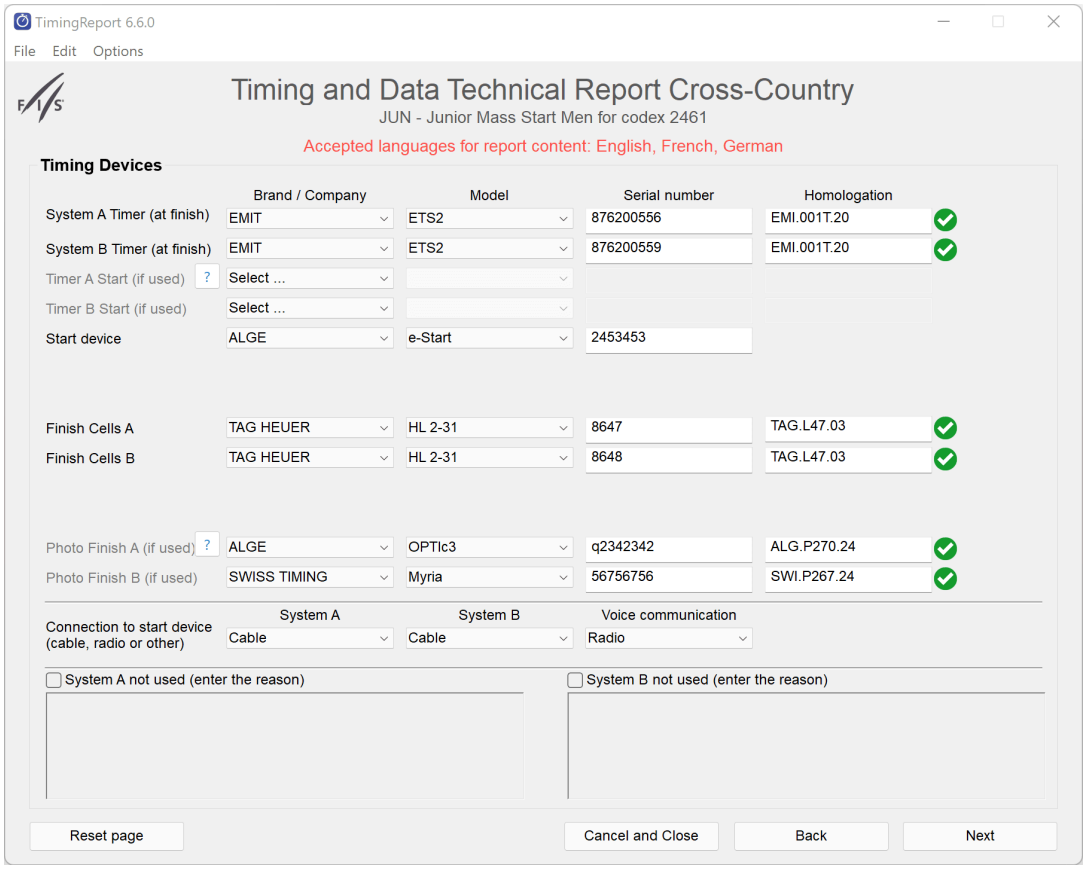
6.3.2. Sprint Finals

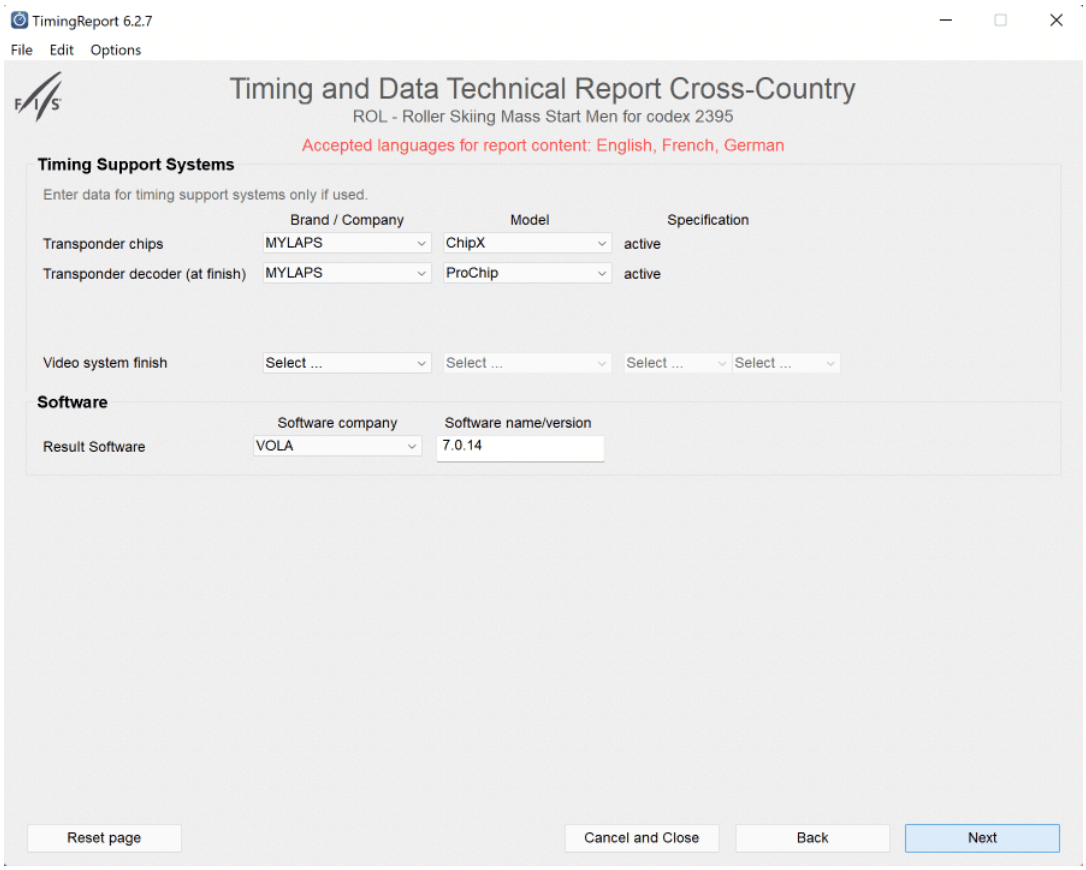


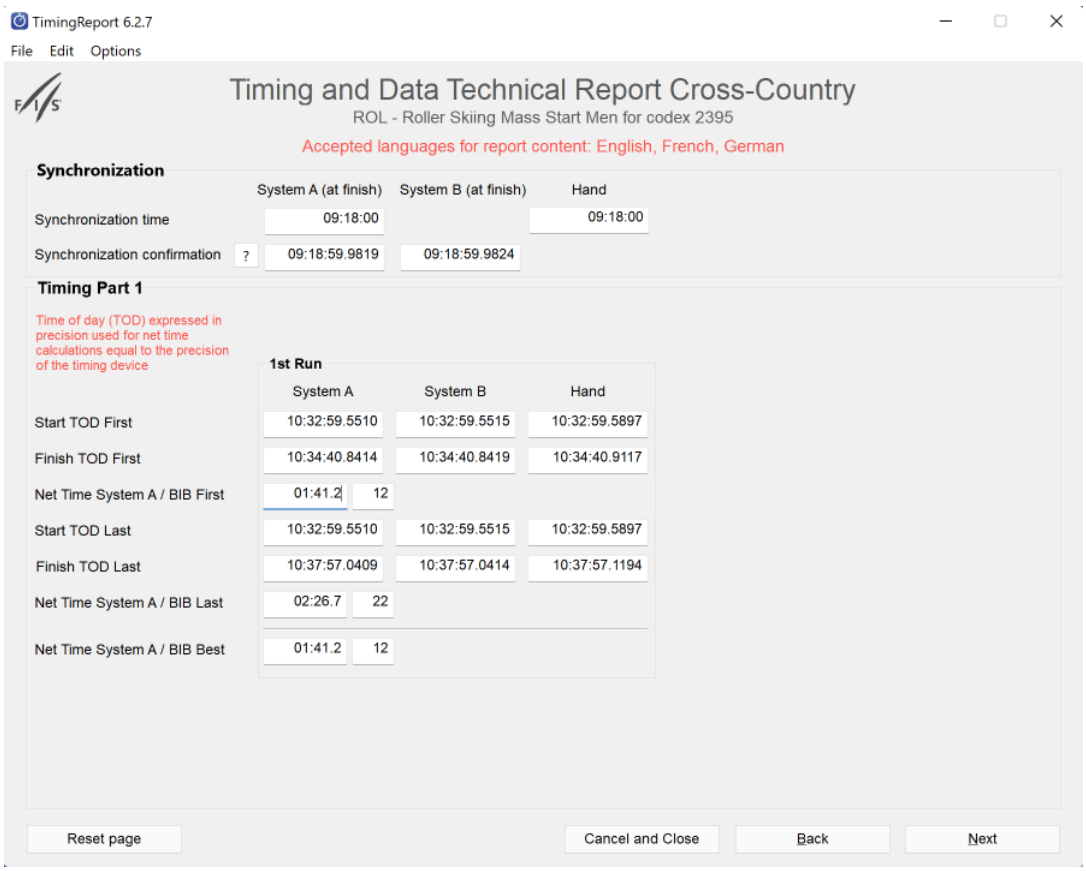




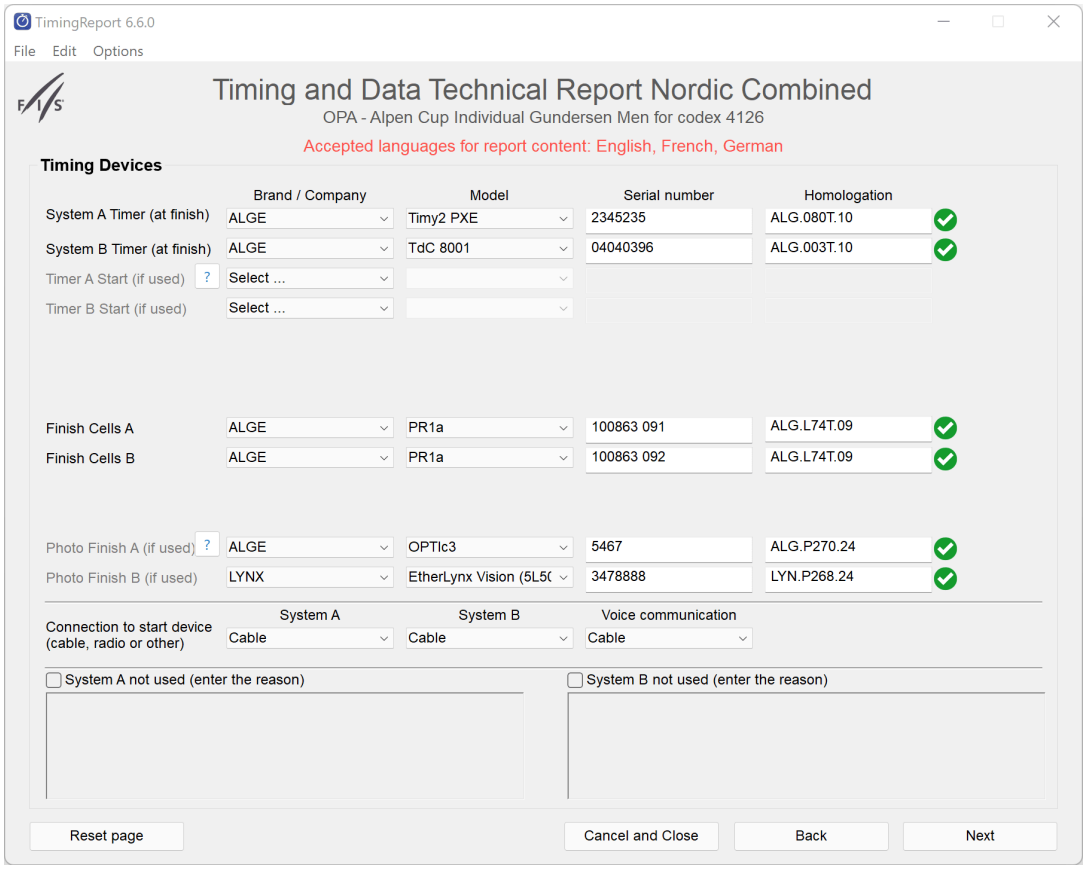
6.3.3. Mass start

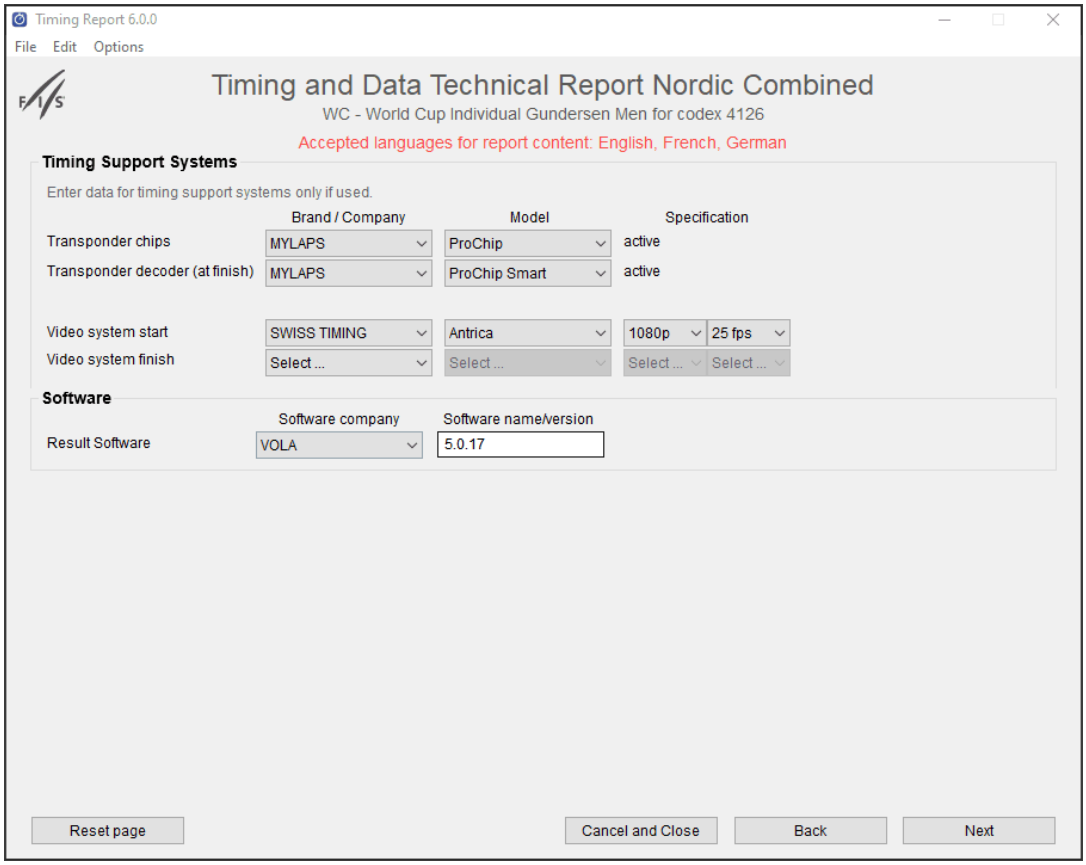


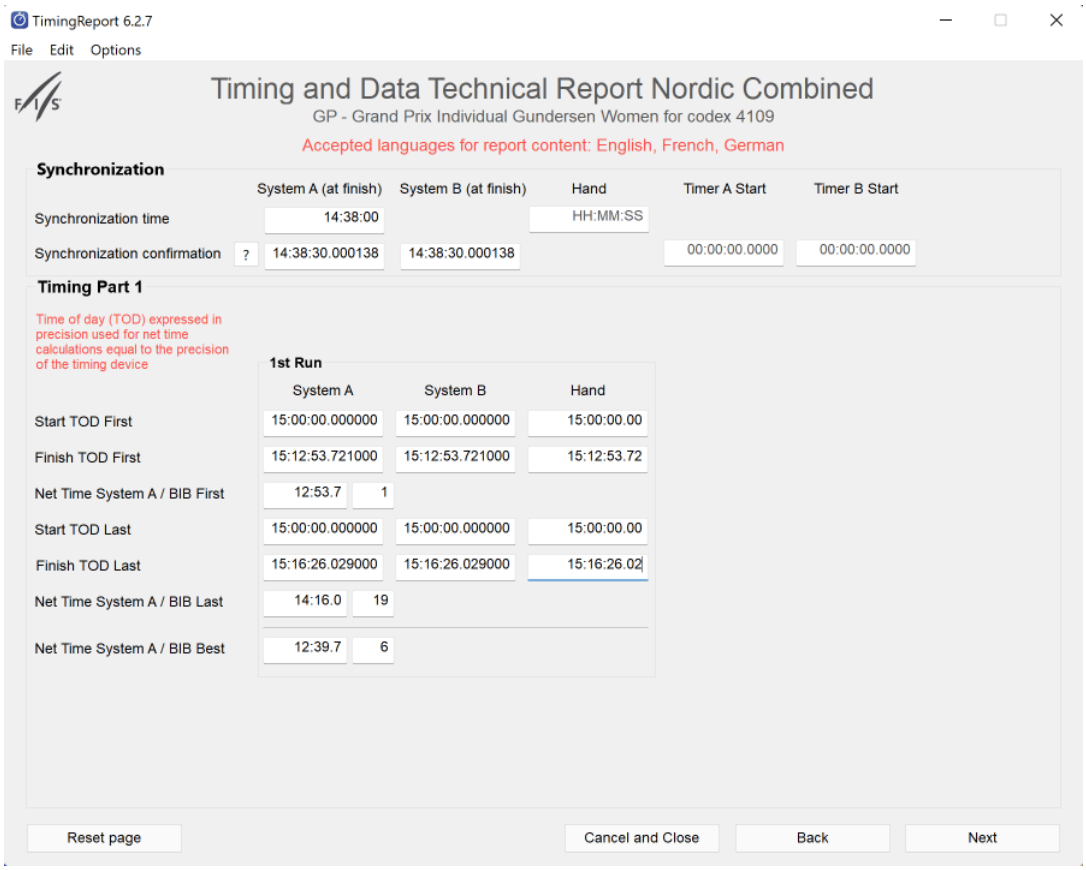

TimingReport 6.2.7
File Edit Options
Timing and Data Technical Report Cross-Country
ROL - Roller Skiing Mass Start Men for codex 2395
Accepted languages for report content: English, French, German
Timing Support Systems
Enter data for timing support systems only if used.
Brand / Company
Model
Specification
Transponder chips
MYLAPS
ChipX
active
Transponder decoder (at finish)
MYLAPS
ProChip
active
Video system finish
Select ...
Software
Software company
Software name/version
Result Software
VOLA
7.0.14
Reset page
Cancel and Close
Back
Next


TimingReport 6.2.7
File Edit Options
Timing and Data Technical Report Cross-Country
ROL - Roller Skiing Mass Start Men for codex 2395
Accepted languages for report content: English, French, German
Synchronization
System A (at finish)
System B (at finish)
Hand
Synchronization time
09:18:00
09:18:00
Synchronization confirmation
?
09:18:59.9819
09:18:59.9824
Timing Part 1
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device
1st Run
System A
System B
Hand
Start TOD First
10:32:59.5510
10:32:59.5515
10:32:59.5897
Finish TOD First
10:34:40.8414
10:34:40.8419
10:34:40.9117
Net Time System A / BIB First
01:41.2
12
Start TOD Last
10:32:59.5510
10:32:59.5515
10:32:59.5897
Finish TOD Last
10:37:57.0409
10:37:57.0414
10:37:57.1194
Net Time System A / BIB Last
02:26.7
22
Net Time System A / BIB Best
01:41.2
12
Reset page
Cancel and Close
Back
Next

6.3.4. Gundersen, Pursuit



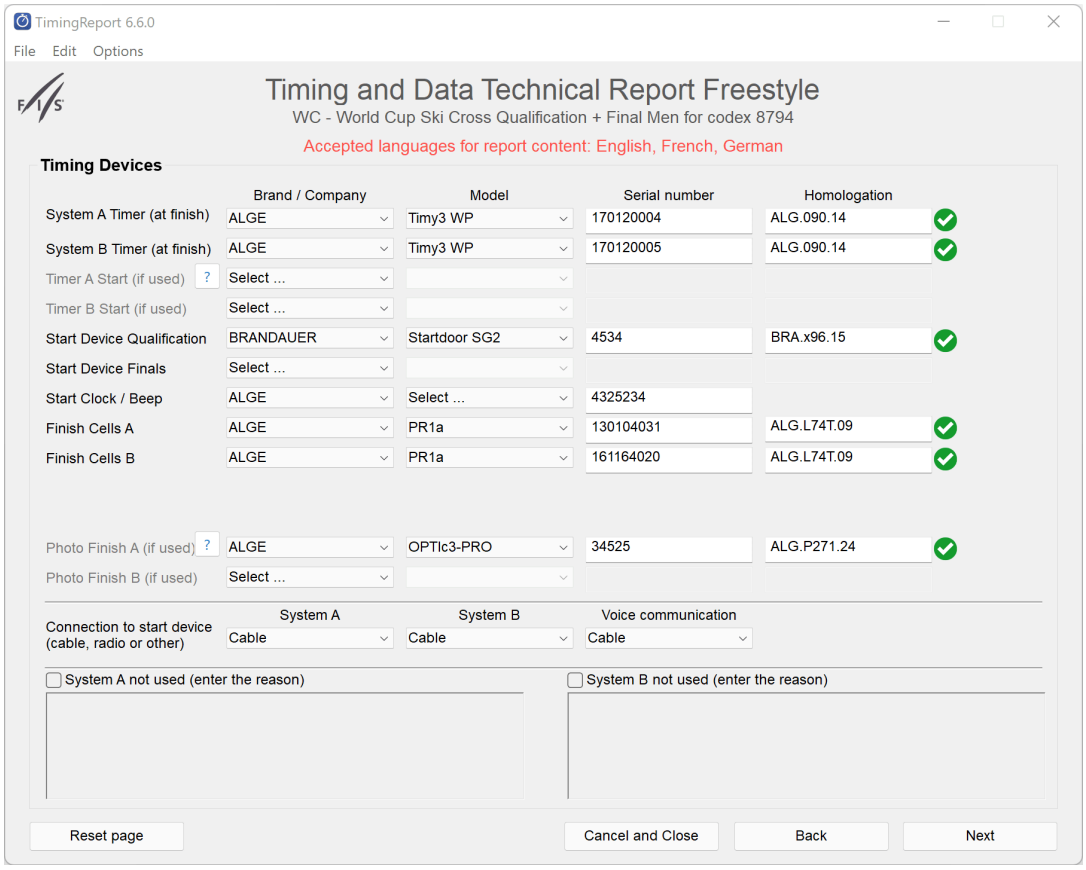


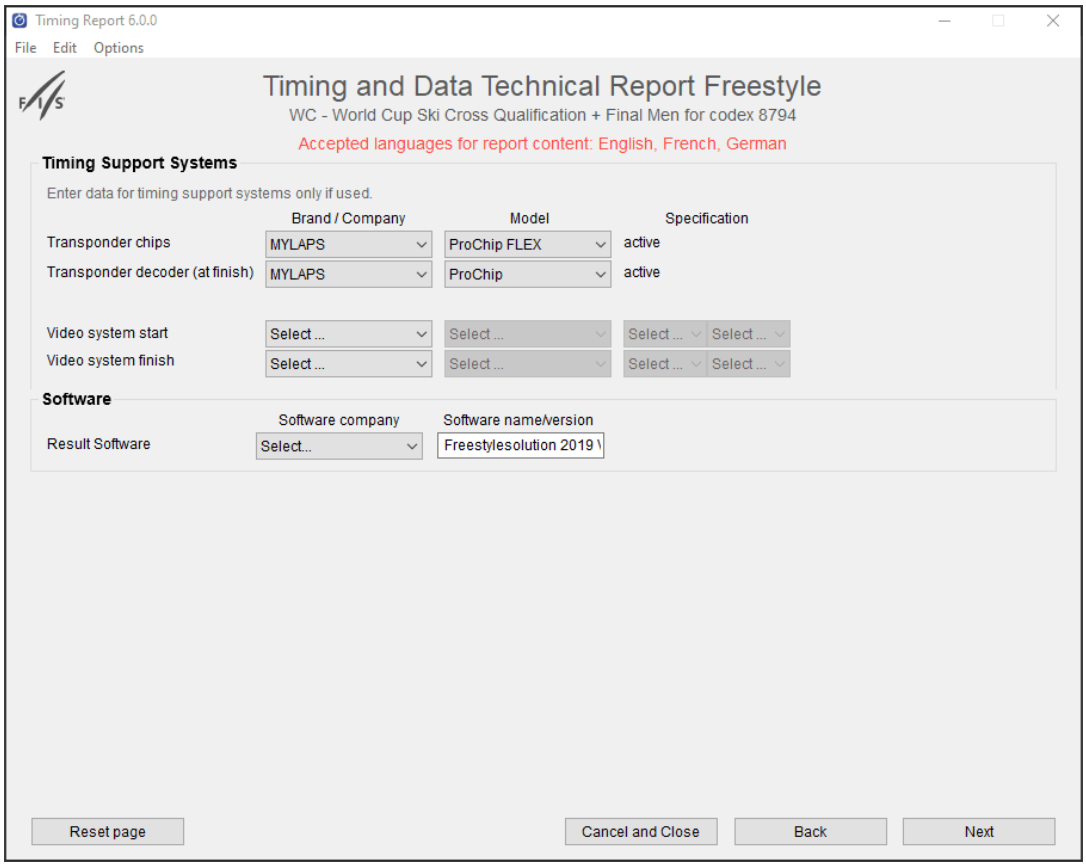

TimingReport 6.2.7
File Edit Options
Timing and Data Technical Report Nordic Combined
GP - Grand Prix Individual Gundersen Women for codex 4109
Accepted languages for report content: English, French, German
Synchronization
System A (at finish)
System B (at finish)
Hand
Timer A Start
Timer B Start
Synchronization time
14:38:00
HH:MM:SS
Synchronization confirmation
?
14:38:30.000138
14:38:30.000138
00:00:00.0000
00:00:00.0000
Timing Part 1
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device
1st Run
System A
System B
Hand
Start TOD First
15:00:00.000000
15:00:00.000000
15:00:00.00
Finish TOD First
15:12:53.721000
15:12:53.721000
15:12:53.72
Net Time System A / BIB First
12:53.7
1
Start TOD Last
15:00:00.000000
15:00:00.000000
15:00:00.00
Finish TOD Last
15:16:26.029000
15:16:26.029000
15:16:26.02
Net Time System A / BIB Last
14:16.0
19
Net Time System A / BIB Best
12:39.7
6
Reset page
Cancel and Close
Back
Next

6.4. Freestyle/Snowboard

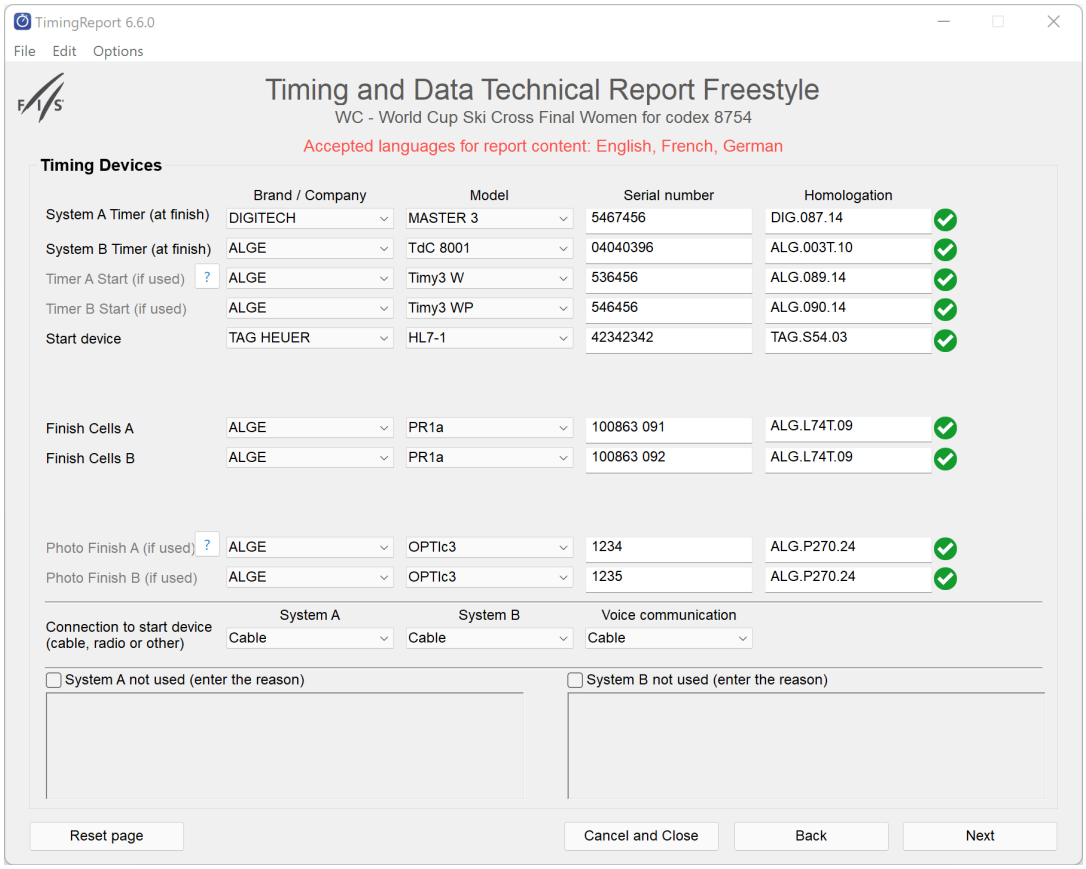
6.5. Freestyle/Snowboard Cross

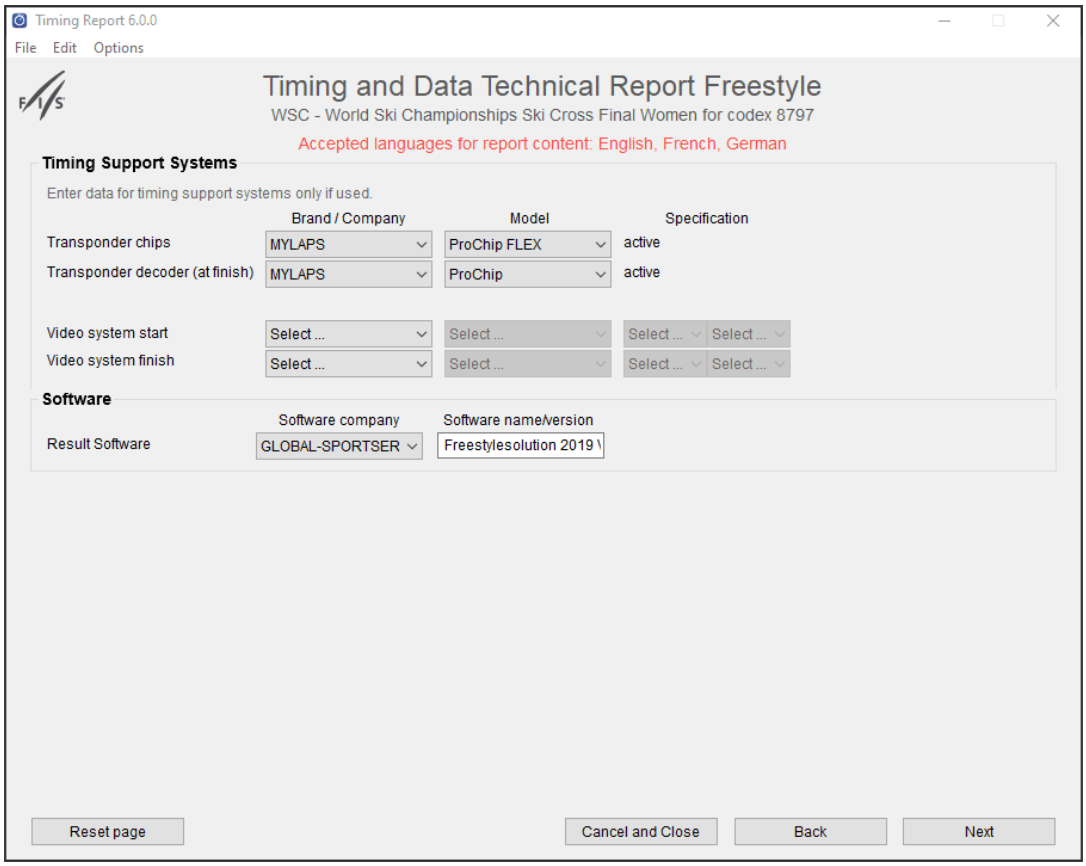
Qualification and Finals

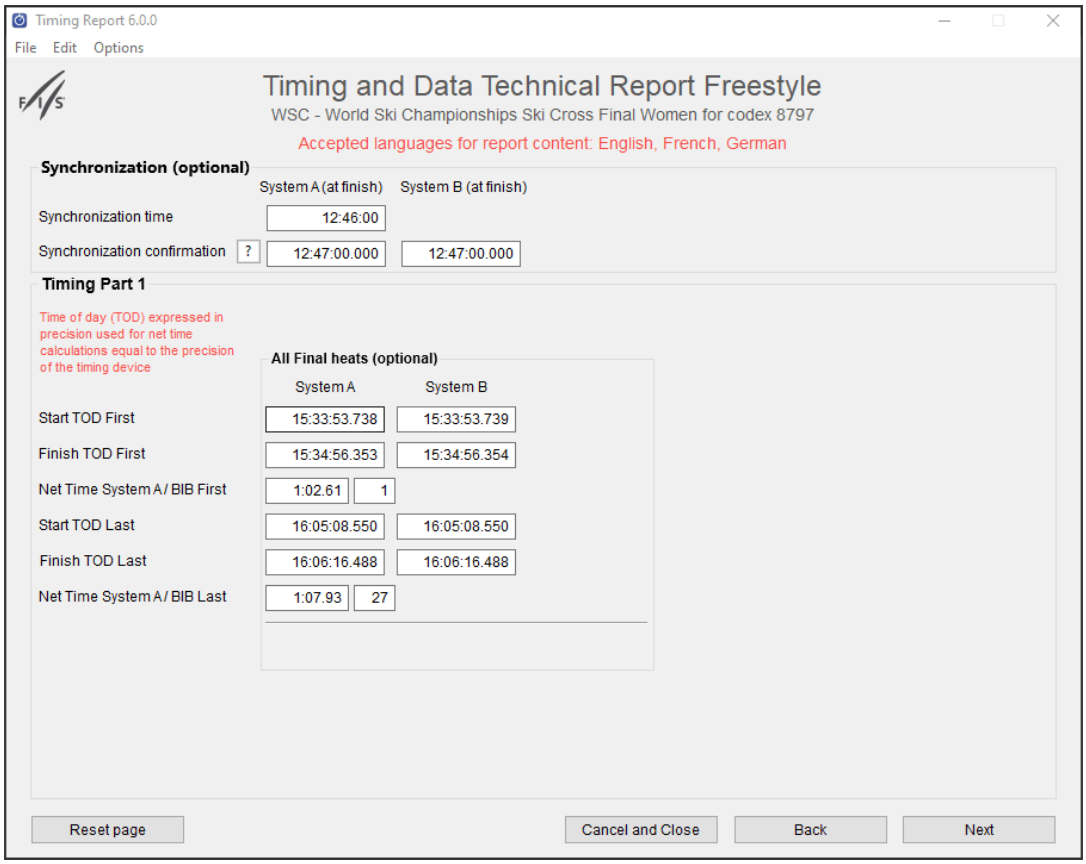



Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Freestyle
WC - World Cup Ski Cross Qualification + Final Men for codex 8794
Accepted languages for report content: English, French, German
Timing Support Systems
Enter data for timing support systems only if used.
Brand / Company
Model
Specification
Transponder chips
MYLAPS
ProChip FLEX
active
Transponder decoder (at finish)
MYLAPS
ProChip
active
Video system start
Video system finish
Select ...
Software
Software company
Software name/version
Result Software
Select...
Freestylesolution 2019
Reset page
Cancel and Close
Back
Next

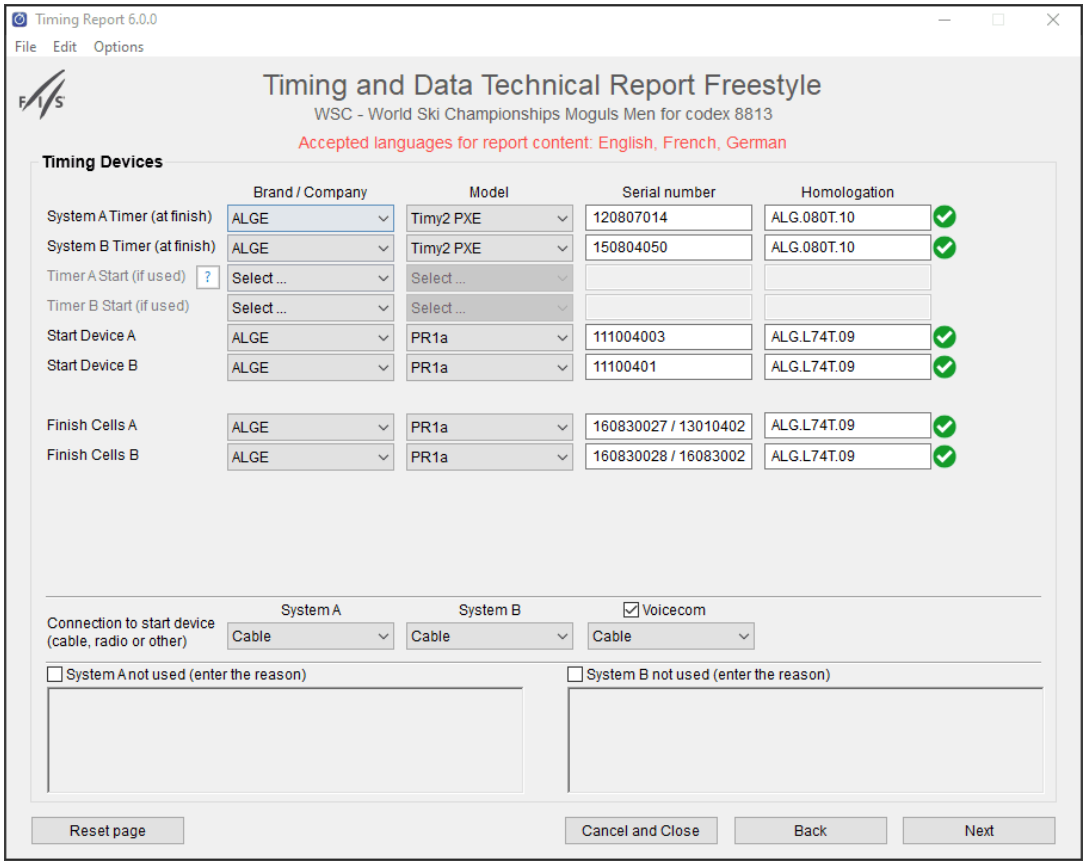
Finals only

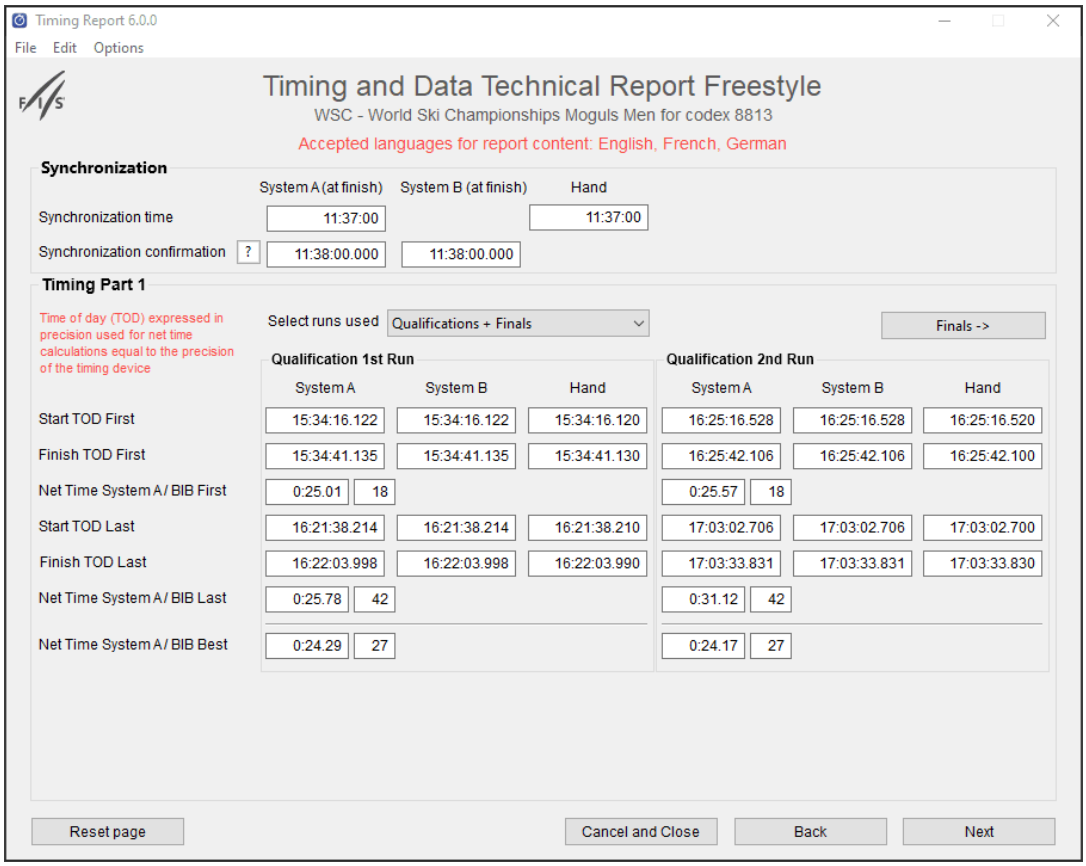

TimingReport 6.6.0
File Edit Options
Timing and Data Technical Report Freestyle
WC - World Cup Ski Cross Final Women for codex 8754
Accepted languages for report content: English, French, German
Timing Devices
Brand / Company
Model
Serial number
Homologation
System A Timer (at finish)
DIGITECH
MASTER 3
5467456
DIG.087.14
System B Timer (at finish)
ALGE
TdC 8001
04040396
ALG.003T.10
Timer A Start (if used)
Timy3 W
536456
ALG.089.14
Timer B Start (if used)
Timy3 WP
546456
ALG.090.14
Start device
TAG HEUER
HL7-1
42342342
TAG.S54.03
Finish Cells A
PR1a
100863 091
ALG.L74T.09
Finish Cells B
100863 092
ALG.L74T.09
Photo Finish A (if used)
OPTIc3
1234
ALG.P270.24
Photo Finish B (if used)
1235
ALG.P270.24
Connection to start device (cable, radio or other)
System A
System B
Voice communication
Cable
System A not used (enter the reason)
System B not used (enter the reason)
Reset page
Cancel and Close
Back
Next

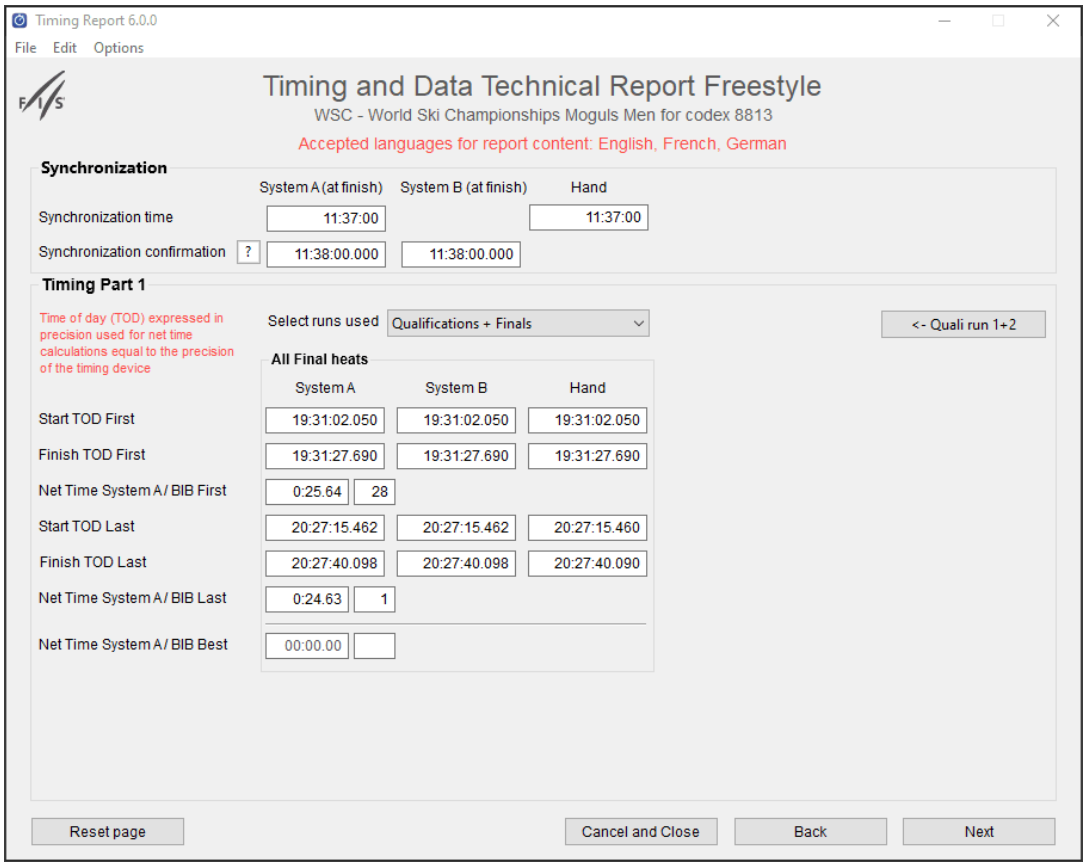

Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Freestyle
WSC - World Ski Championships Ski Cross Final Women for codex 8797
Accepted languages for report content: English, French, German
Timing Support Systems
Enter data for timing support systems only if used.
Brand / Company
Model
Specification
Transponder chips
MYLAPS
ProChip FLEX
active
Transponder decoder (at finish)
MYLAPS
ProChip
active
Video system start
Video system finish
Select ...
Software
Software company
Software name/version
Result Software
GLOBAL-SPORTSER
Freestylesolution 2019
Reset page
Cancel and Close
Back
Next


Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Freestyle
WSC - World Ski Championships Ski Cross Final Women for codex 8797
Accepted languages for report content: English, French, German
Synchronization (optional)
System A (at finish)
System B (at finish)
Synchronization time
12:46:00
Synchronization confirmation
?
12:47:00.000
12:47:00.000
Timing Part 1
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device
All Final heats (optional)
System A
System B
Start TOD First
15:33:53.738
15:33:53.739
Finish TOD First
15:34:56.353
15:34:56.354
Net Time System A / BIB First
1:02.61
1
Start TOD Last
16:05:08.550
16:05:08.550
Finish TOD Last
16:06:16.488
16:06:16.488
Net Time System A / BIB Last
1:07.93
27
Reset page
Cancel and Close
Back
Next

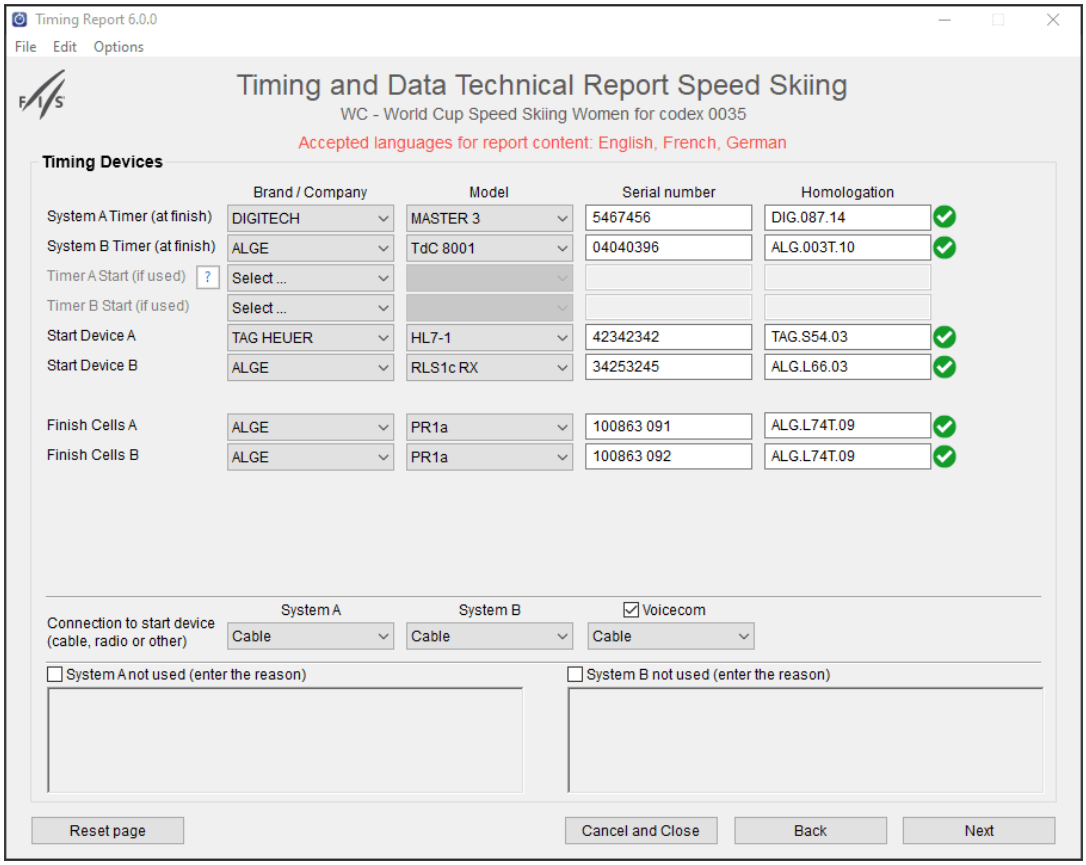
6.5.1. Moguls

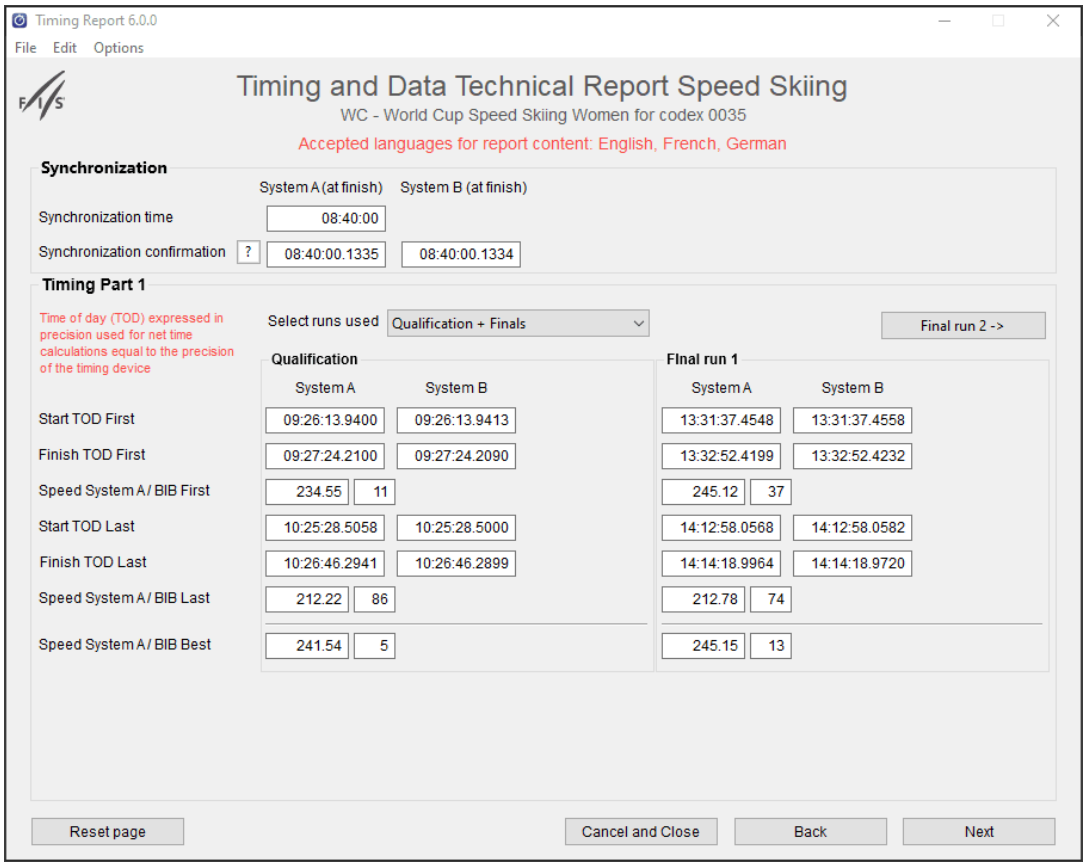

Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Freestyle
WSC - World Ski Championships Moguls Men for codex 8813
Accepted languages for report content: English, French, German
Timing Devices
Brand / Company
Model
Serial number
Homologation
System A Timer (at finish)
ALGE
Timy2 PXE
120807014
ALG.080T.10
System B Timer (at finish)
ALGE
Timy2 PXE
150804050
ALG.080T.10
Timer A Start (if used)
Select ...
Timer B Start (if used)
Select ...
Start Device A
ALGE
PR1a
111004003
ALG.L74T.09
Start Device B
ALGE
PR1a
11100401
ALG.L74T.09
Finish Cells A
ALGE
PR1a
160830027 / 13010402
ALG.L74T.09
Finish Cells B
ALGE
PR1a
160830028 / 16083002
ALG.L74T.09
Connection to start device (cable, radio or other)
System A
System B
Voicecom
Cable
Cable
Cable
System A not used (enter the reason)
System B not used (enter the reason)
Reset page
Cancel and Close
Back
Next


Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Freestyle
WSC - World Ski Championships Moguls Men for codex 8813
Accepted languages for report content: English, French, German
Synchronization
System A (at finish)
System B (at finish)
Hand
Synchronization time
11:37:00
11:37:00
Synchronization confirmation
11:38:00.000
11:38:00.000
Timing Part 1
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device
Select runs used
Qualifications + Finals
Finals ->
Qualification 1st Run
Qualification 2nd Run
System A
System B
Hand
Start TOD First
15:34:16.122
15:34:16.122
15:34:16.120
16:25:16.528
16:25:16.528
16:25:16.520
Finish TOD First
15:34:41.135
15:34:41.135
15:34:41.130
16:25:42.106
16:25:42.106
16:25:42.100
Net Time System A / BIB First
0:25.01
18
0:25.57
18
Start TOD Last
16:21:38.214
16:21:38.214
16:21:38.210
17:03:02.706
17:03:02.706
17:03:02.700
Finish TOD Last
16:22:03.998
16:22:03.998
16:22:03.990
17:03:33.831
17:03:33.831
17:03:33.830
Net Time System A / BIB Last
0:25.78
42
0:31.12
42
Net Time System A / BIB Best
0:24.29
27
0:24.17
27
Reset page
Cancel and Close
Back
Next



6.6. Speed Skiing




Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Speed Skiing
WC - World Cup Speed Skiing Women for codex 0035
Accepted languages for report content: English, French, German
Synchronization
System A (at finish) System B (at finish)
Synchronization time 08:40:00
Synchronization confirmation ? 08:40:00.1335 08:40:00.1334
Timing Part 1
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device
Select runs used Qualification + Finals
Final run 2 ->
Qualification
System A System B
Start TOD First 09:26:13.9400 09:26:13.9413
Finish TOD First 09:27:24.2100 09:27:24.2090
Speed System A / BIB First 234.55 11
Start TOD Last 10:25:28.5058 10:25:28.5000
Finish TOD Last 10:26:46.2941 10:26:46.2899
Speed System A / BIB Last 212.22 86
Speed System A / BIB Best 241.54 5
Final run 1
System A System B
Start TOD First 13:31:37.4548 13:31:37.4558
Finish TOD First 13:32:52.4199 13:32:52.4232
Speed System A / BIB First 245.12 37
Start TOD Last 14:12:58.0568 14:12:58.0582
Finish TOD Last 14:14:18.9964 14:14:18.9720
Speed System A / BIB Last 212.78 74
Speed System A / BIB Best 245.15 13
Reset page
Cancel and Close
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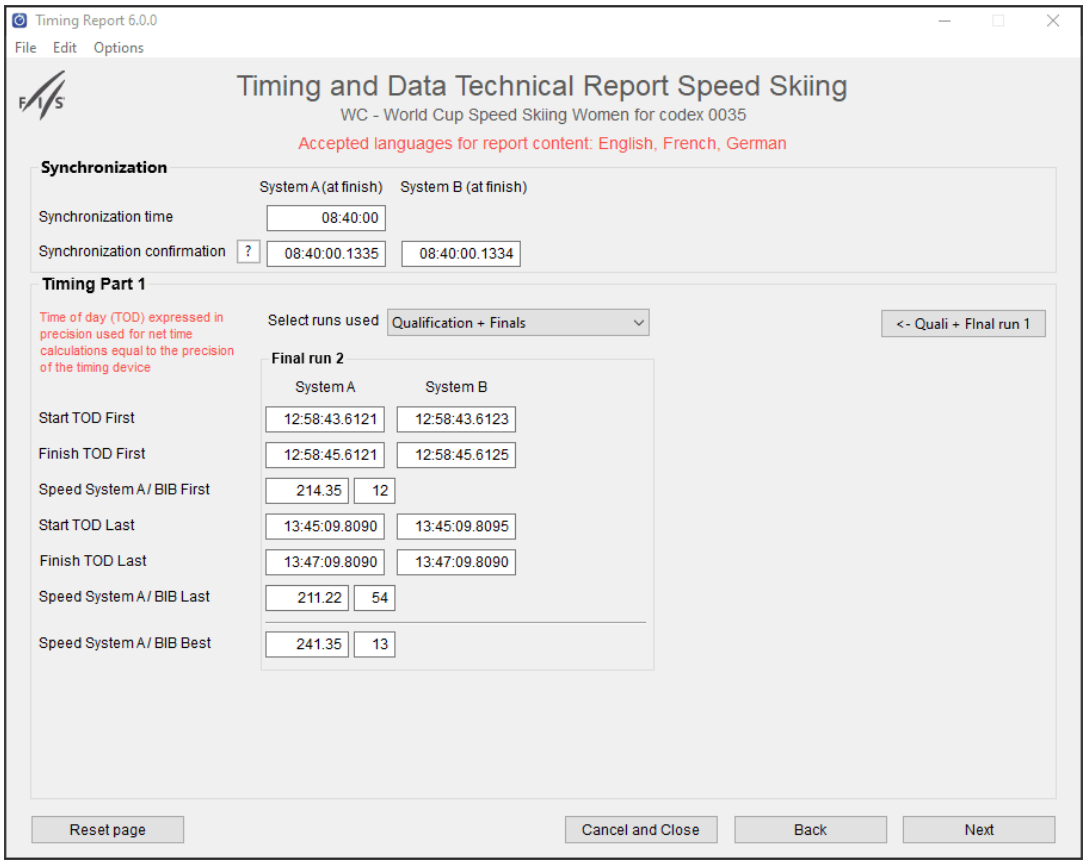
Timing Report 6.0.0
File Edit Options
Timing and Data Technical Report Speed Skiing
WC - World Cup Speed Skiing Women for codex 0035
Accepted languages for report content: English, French, German
Synchronization
System A (at finish) System B (at finish)
Synchronization time 08:40:00
Synchronization confirmation ? 08:40:00.1335 08:40:00.1334
Timing Part 1
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device
Select runs used Qualification + Finals
<- Quali + Final run 1
Final run 2
System A System B
Start TOD First 12:58:43.6121 12:58:43.6123
Finish TOD First 12:58:45.6121 12:58:45.6125
Speed System A / BIB First 214.35 12
Start TOD Last 13:45:09.8090 13:45:09.8095
Finish TOD Last 13:47:09.8090 13:47:09.8090
Speed System A / BIB Last 211.22 54
Speed System A / BIB Best 241.35 13
Reset page
Cancel and Close
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7. Document Control

Version 1 (October 2019)

Section	Description
Global	Initial version

Version 2 (November 2019)

Section	Description
Global	Add best practices to enter time format of time of day

Version 3 (November 2019)

Section	Description
Global	Add Windows install information

Version 4 (October 2020)

Section	Description
Global	Typo correction

Version 5 (November 2020)

Section	Description
Global	Text updates; Update examples CC, NK; Add information for download issue; Add transponder decoder information

Version 6 (March 2021)

Section	Description
Global	Change term race to competition; Add menu Move Times; Updates screen shots; Add select box Select runs used

Version 7 (March 2022)

Section	Description
Global	New document template, update FIS name

Version 8 (October 2022)

Section	Description
Global	New document template; Correction of typos
Example CC, NK Gundersen Pursuit	Update 3rd picture with TOD Start and Finish the same time
Example CC, NK Mass start	Add new example
Description field Start TOD Last	Update text
Downloads, installation and updates	Add URL download FIS website

Version 9 (November 2023)

Section	Description
Downloads, installation and updates	Removed FTP download

Version 10 (January 2024)

Section	Description
Downloads, installation and updates	Removed support of Windows 8.1
Supported FIS disciplines and events	Updated unsupported events

Version 11 (October 2024)

Section	Description
Downloads, installation and updates	Updated installation instructions for macOS

Version 12 (December 2024)

Section	Description
Downloads, installation and updates	Updated installation instructions for macOS
Timing and timing support device identification and specification items	Update homologation number text
Discipline specific examples	Update examples with screenshots showing timing device setups with photo finish cameras

Version 13 (June 2026)

Section	Description
Global	Converted the manual to Markdown as the document base Corrected typos and quirks
Supported FIS disciplines and events	added Para discipline updated support of Qualification and Finals
Downloads, installation and updates	update minimum version macOS 11+

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