



# Timing and Data Technical Report Software

## User Manual

Valid for software versions 6.0+

Version 12 (20.12.2024)

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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:

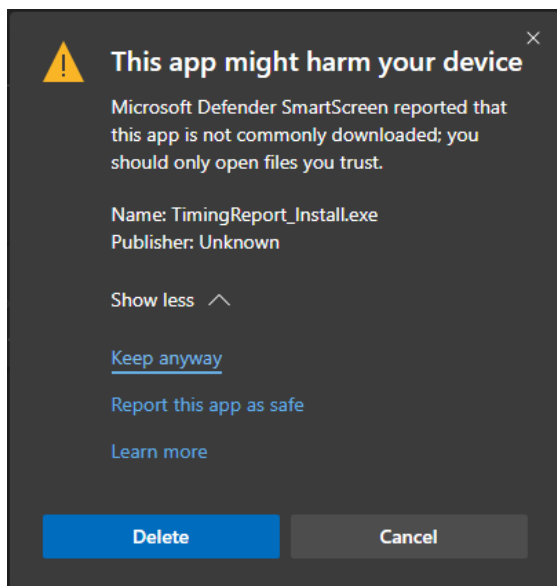
<https://www.fis-ski.com/en/inside-fis/document-library/timing-data>

Supported operating systems:

- Windows 10, 11
- macOS 10.10+ (64bit)

### 2.1. Installation on Windows

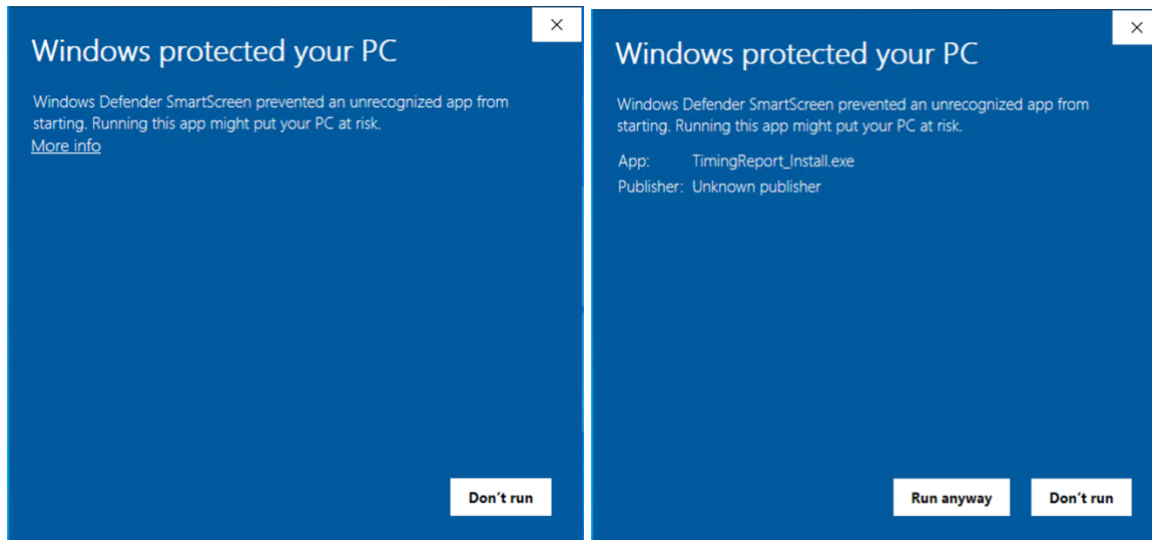
Some security components (e.g., anti-virus software) on Windows might alert the download as suspicious software like this:



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.

## 2.2. Installation on macOS

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

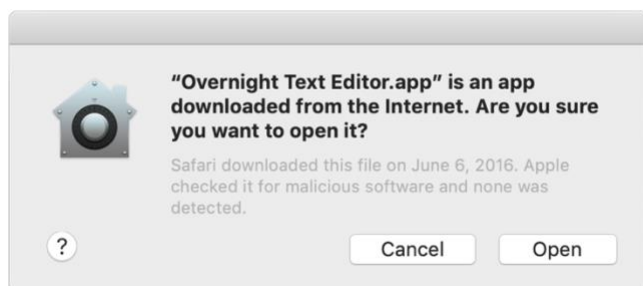
### 2.2.1. Timing Report 6.6+

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*".



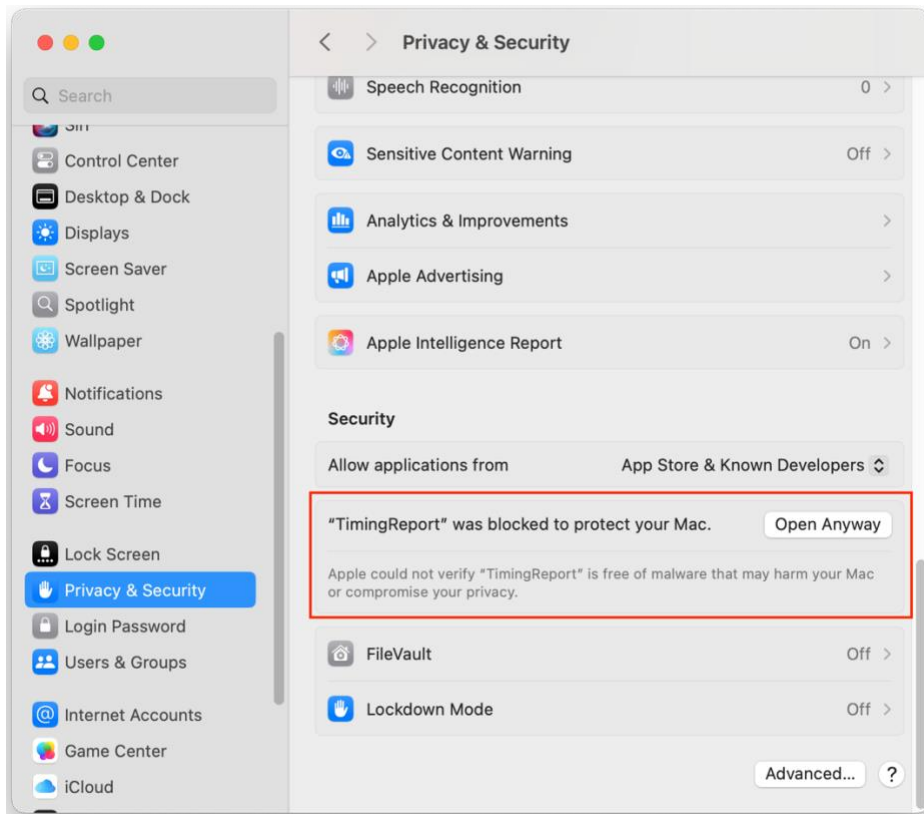
Try the following steps to launch the app:

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

On newer macOS versions you might see this message:

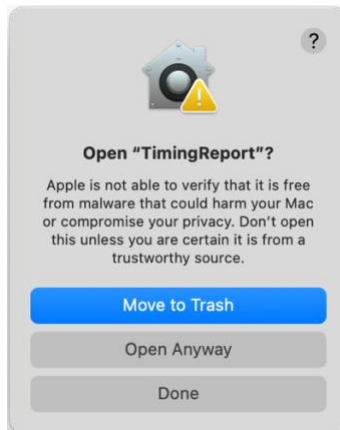


1. Press "Done".
2. Go to macOS Settings -> Privacy & Security and scroll down to Security section and click the button "Open Anyway" where the TimingReport. software is shown as blocked.

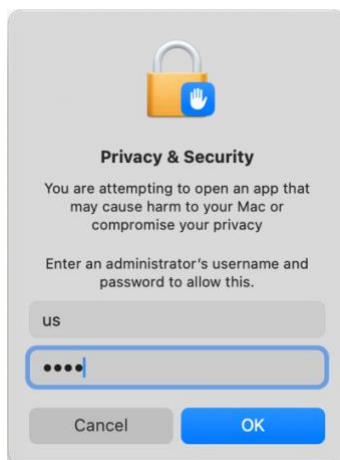




3. Confirm in the next dialog again with “Open Anyway”



4. 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 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)

For Freestyle Ski Cross and Snowboard Cross, a Timing Report can be sent for Qualification and Finals or only Finals (only one competition codex is provided in the FIS calendar).

For the 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](mailto:results@fis-ski.com) (alpineresults@fisski.com is also still valid)

The subject-line 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](mailto: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 3.3.3/Report an issue, 4.1 see log file items).

The preferred support language is English.

## 3. Timing Report Software

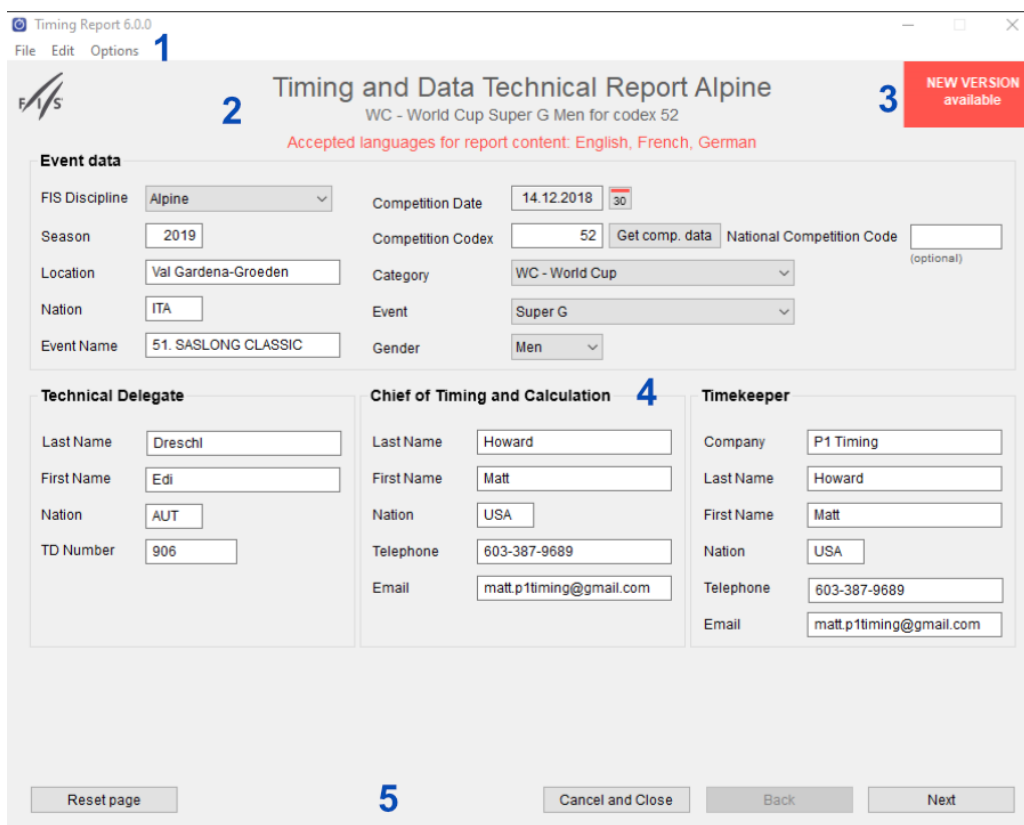
This document represents a step-by-step explanation of what is needed in each field of the Timing & Data Technical Report. Since some of the information being provided will most likely remain consistent (example: timing equipment details, event information, timekeeper information) you can fill out most 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



Timing Report 6.0.0

File Edit Options

**Timing and Data Technical Report Alpine**

WC - World Cup Super G Men for codex 52

Accepted languages for report content: English, French, German

**Event data**

FIS Discipline: Alpine  
 Season: 2019  
 Location: Val Gardena-Groeden  
 Nation: ITA  
 Event Name: 51. SASLONG CLASSIC

Competition Date: 14.12.2018  
 Competition Codex: 52  
 Category: WC - World Cup  
 Event: Super G  
 Gender: Men

**Technical Delegate**

Last Name: Dreschl  
 First Name: Edi  
 Nation: AUT  
 TD Number: 906

**Chief of Timing and Calculation**

Last Name: Howard  
 First Name: Matt  
 Nation: USA  
 Telephone: 603-387-9689  
 Email: matt.p1timing@gmail.com

**Timekeeper**

Company: P1 Timing  
 Last Name: Howard  
 First Name: Matt  
 Nation: USA  
 Telephone: 603-387-9689  
 Email: matt.p1timing@gmail.com

Reset page Cancel and Close Back Next

### 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

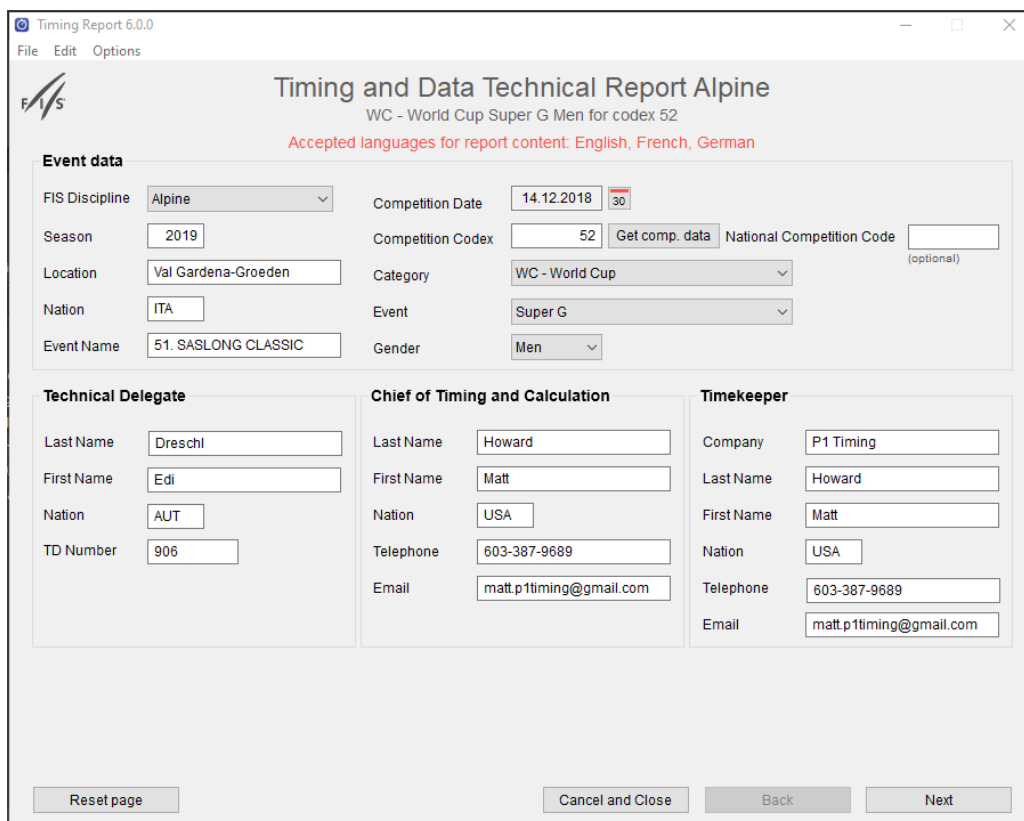
Only visible on the last available page of the report. Provides different output options of the timing report.

- *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



### 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)**

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 4.2).

**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**

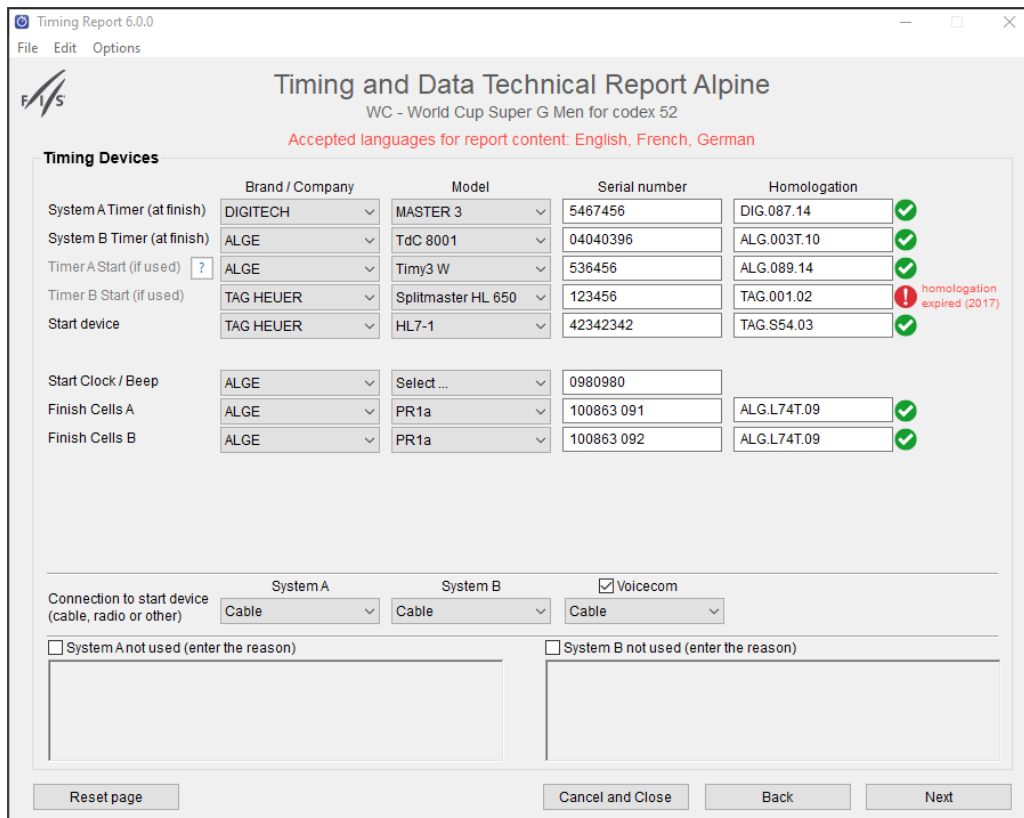
Text field for email address timekeeper.

### 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 the each start of the software (see 4.3).



	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)	ALGE	Timy3 W	536456	ALG.089.14	✓
Timer B Start (if used)	TAG HEUER	Splitmaster HL 650	123456	TAG.001.02	! homologation expired (2017)
Start device	TAG HEUER	HL7-1	42342342	TAG.S54.03	✓
Start Clock / Beep	ALGE	Select ...	0980980		
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓

Accepted languages for report content: English, French, German

System A: Cable | System B: Cable | Voicecom:  | Connection to start device: Cable

System A not used (enter the reason) |  System B not used (enter the reason)

Buttons: Reset page, Cancel and Close, Back, Next

### 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](http://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**

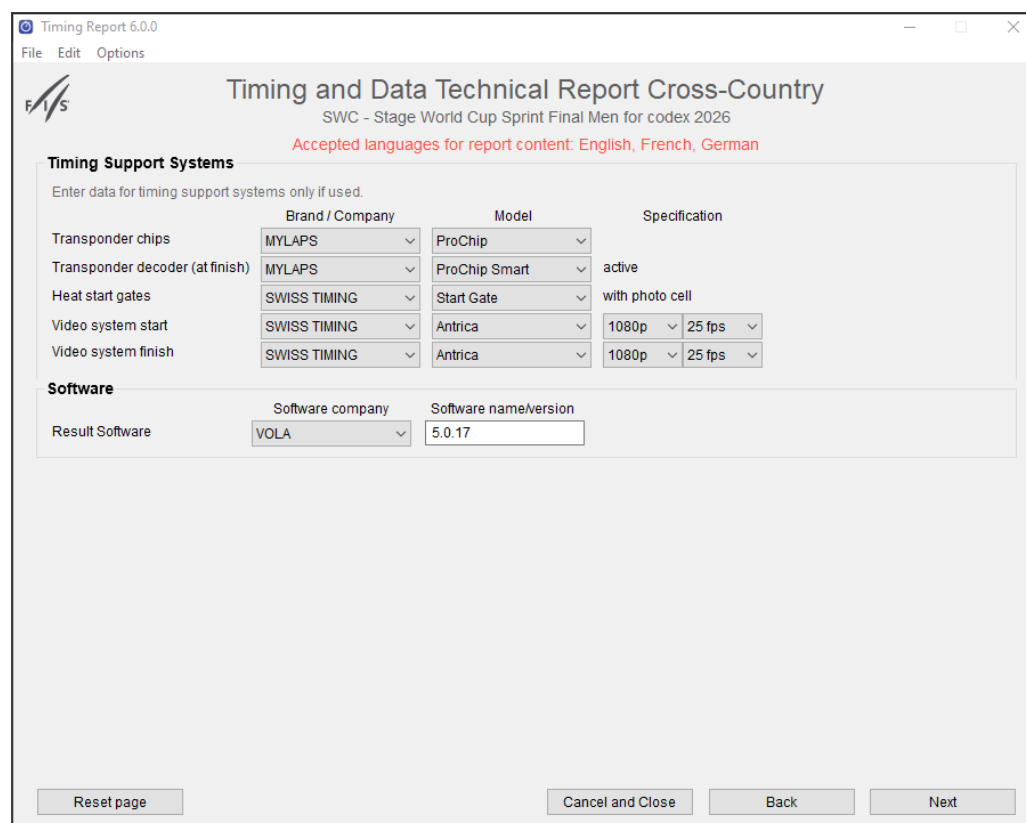
If an issue occurred where system A or B were not used, specify in detail the reason(s) why.

### 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 the each start of the software (see 4.4).



The screenshot shows the 'Timing and Data Technical Report Cross-Country' window for 'SWC - Stage World Cup Sprint Final Men for codex 2026'. It includes a menu bar (File, Edit, Options) and a sub-header for 'Accepted languages for report content: English, French, German'. The main configuration area is divided into two sections:

- Timing Support Systems:** A table for entering data for various devices.
 

	Brand / Company	Model	Specification
Transponder chips	MYLAPS	ProChip	
Transponder decoder (at finish)	MYLAPS	ProChip Smart	active
Heat start gates	SWISS TIMING	Start Gate	with photo cell
Video system start	SWISS TIMING	Antrica	1080p 25 fps
Video system finish	SWISS TIMING	Antrica	1080p 25 fps
- Software:** A section for configuring the result software.
 

	Software company	Software name/version
Result Software	VOLA	5.0.17

At the bottom of the window, there are four buttons: 'Reset page', 'Cancel and Close', 'Back', and 'Next'.

### 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.

Add timing company / manufacture (brand)

Please chose or enter the company / manufacture name of the used timing device or press Cancel to proceed with 'Other'. Entered company name will be saved on your computer and available for next reports.

Enter new company / manufacture

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.

Add timing device model

**Please inform the TD if you use a none homologated timing device.**

If you chose 'Other' as timing device model the Timing Report might be not accepted. Please use a valid homologated timing device. You can add the timing device model name of the used timing device or press Cancel to proceed with 'Other'. Please chose the device type (if necessary) and enter the original and correct device model name taken from the device or manufacture specification.

Device type  ▾

Device model name

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.*

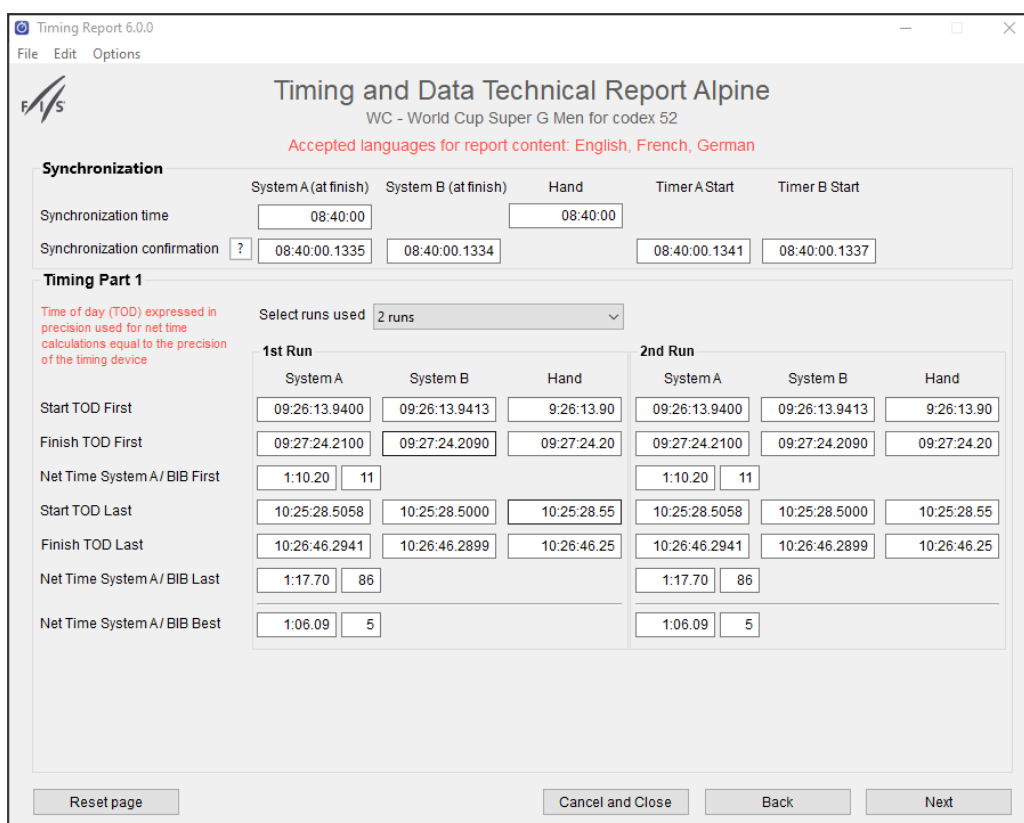
*Please note that the use of non-homologated timing devices in timing reports for FIS disciplines where homologated timing devices are mandatory may result in the timing report not being accepted. Please always inform the TD if non-homologated timing devices are used. Timing support devices are not subjects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

	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		08:40:00.1341	08:40:00.1337

**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: 2 runs

	1st Run			2nd Run		
	System A	System B	Hand	System A	System B	Hand
Start TOD First	09:26:13.9400	09:26:13.9413	9:26:13.90	09:26:13.9400	09:26:13.9413	9:26:13.90
Finish TOD First	09:27:24.2100	09:27:24.2090	09:27:24.20	09:27:24.2100	09:27:24.2090	09:27:24.20
Net Time System A/ BIB First	1:10.20	11		1:10.20	11	
Start TOD Last	10:25:28.5058	10:25:28.5000	10:25:28.55	10:25:28.5058	10:25:28.5000	10:25:28.55
Finish TOD Last	10:26:46.2941	10:26:46.2899	10:26:46.25	10:26:46.2941	10:26:46.2899	10:26:46.25
Net Time System A/ BIB Last	1:17.70	86		1:17.70	86	
Net Time System A/ BIB Best	1:06.09	5		1:06.09	5	

Buttons: Reset page, Cancel and Close, Back, Next

## 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 1/100<sup>th</sup> (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.

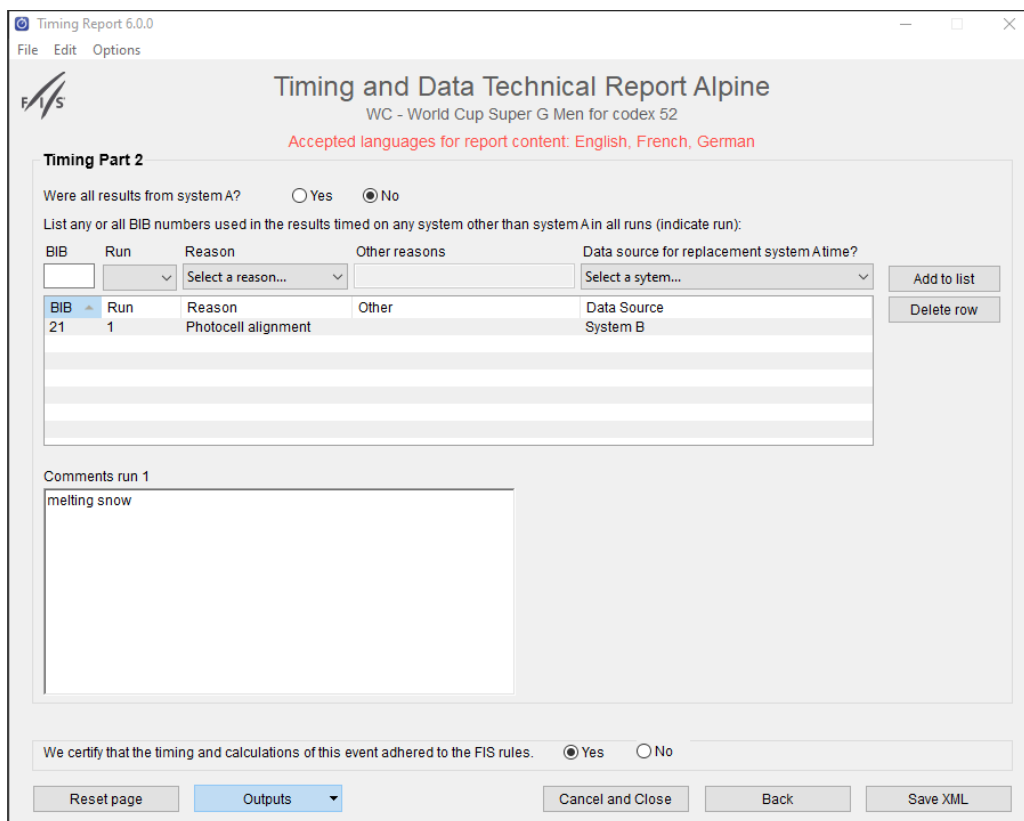
*Net Times only to be used if applicable*

### **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



Timing Report 6.0.0  
File Edit Options

**Timing and Data Technical Report Alpine**  
WC - World Cup Super G Men for codex 52  
Accepted languages for report content: English, French, German

**Timing Part 2**

Were all results from system A?  Yes  No

List any or all BIB numbers used in the results timed on any system other than system A in all runs (indicate run):

BIB	Run	Reason	Other reasons	Data source for replacement system A time?
21	1	Photocell alignment		System B

Comments run 1  
melting snow

We certify that the timing and calculations of this event adhered to the FIS rules.  Yes  No

Reset page Outputs Cancel and Close Back Save XML

#### 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 will 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 5.2).

## **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 3.6).

### **Update timing device**

Updates the lists of timing device manufactures/company brands, models and software companies from FIS database. A 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 3.7).

## **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 does 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 3.5.

### 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 4.1.

### 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 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 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 screen shots 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

Timing Report 6.0.0

File Edit Options

**Timing and Data Technical Report Alpine**  
WC - World Cup Super G Men for codex 52  
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) ?	ALGE	Timy3 W	536456	ALG.089.14	✓
Timer B Start (if used)	ALGE	Timy3 WP	546456	ALG.090.14	✓
Start device	TAG HEUER	HL7-1	42342342	TAG.S54.03	✓
Start Clock / Beep	ALGE	Select...	0980980		
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓

Connection to start device (cable, radio or other)

System A: Cable    System B: Cable     Voicecom

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 Alpine**  
 WC - World Cup Super G Men for codex 52  
 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		08:40:00.1341	08:40:00.1337

**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: 1 run

**1st Run**

	System A	System B	Hand
Start TOD First	09:26:13.9400	09:26:13.9413	9:26:13.90
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	10:25:28.55
Finish TOD Last	10:26:46.2941	10:26:46.2899	10:26:46.25
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

## 6.2. Competition with 2 run

Timing Report 6.0.0

File Edit Options

**Timing and Data Technical Report Alpine**  
FIS - FIS Slalom Women for codex 6072

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)	ALGE	Timy3 W	536456	ALG.089.14	✓
Timer B Start (if used)	ALGE	Timy3 WP	546456	ALG.090.14	✓
Start device	TAG HEUER	HL7-1	42342342	TAG.S54.03	✓
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓

Connection to start device (cable, radio or other)

System A: Cable    System B: Cable     Voicecom

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 Alpine**  
FIS - FIS 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	08:40:00.1337

**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: 2 runs

	1st Run			2nd Run		
	System A	System B	Hand	System A	System B	Hand
Start TOD First	09:26:13.9400	09:26:13.9413	9:26:13.90	13:31:37.4548	13:31:37.4558	13:31:37.40
Finish TOD First	09:27:24.2100	09:27:24.2090	09:27:24.20	13:32:52.4199	13:32:52.4232	13:32:52.40
Net Time System A/ BIB First	1:10.20	11		1:14.99	37	
Start TOD Last	10:25:28.5058	10:25:28.5000	10:25:28.55	14:12:58.0568	14:12:58.0582	14:12:58.00
Finish TOD Last	10:26:46.2941	10:26:46.2899	10:26:46.25	14:14:18.9964	14:14:18.9720	14:14:18.99
Net Time System A/ BIB Last	1:17.70	86		1:20.90	74	
Net Time System A/ BIB Best	1:06.09	5		1:09.21	13	

Reset page    Cancel and Close    Back    Next

### 6.2.1. Competition with heats

TimingReport 6.6.0  
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

**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) ?	ALGE	Timy PXE	5r454	ALG.001T.10	✓
Timer B Start (if used)	ALGE	Timy3 WP	546456	ALG.090.14	✓
Start device blue course	TAG HEUER	HL7-1	42342342	TAG.S54.03	✓
Start device red course	TAG HEUER	HL7-1P	trziri	TAG.S77T.09	✓
Finish Cells A blue course	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B blue course	ALGE	PR1a	100863 092	ALG.L74T.09	✓
Finish Cells A red course	ALGE	PR1aW	zuitzui	ALG.L91.14	✓
Finish Cells B red course	MICROGATE	FCT3	6875	MGA.L69.03	✓
Photo Finish A (if used) ?	LYNX	EtherLynx Vision (5L5C	444.444	LYN.P268.24	✓
Photo Finish B (if used)	SWISS TIMING	Myria	dfri5	SWI.P267.24	✓

Connection to start device (cable, radio or other):  
 System A: Cable | System B: Cable | 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 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

	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

TimingReport 6.6.0

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 Devices**

	Brand / Company	Model	Serial number	Homologation	
System A Timer (at finish)	ALGE	Timy2 PXE	34653465	DIG.087.14	✓
System B Timer (at finish)	ALGE	TdC 8001	04040396	ALG.003T.10	✓
Timer A Start (if used)	ALGE	Select ...			
Timer B Start (if used)	ALGE	Timy3 WP	456798	ALG.090.14	✓
Start device	TAG HEUER	HL7-1	23rw434	TAG.S54.03	✓
Start Clock / Beep	ALGE	ASC3	123123		
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓
Photo Finish A (if used)	ALGE	OPTic3-PRO	43564567	ALG.P271.24	✓
Photo Finish B (if used)	LYNX	EtherLynx Vision (5L5)	3453	LYN.P268.24	✓

Connection to start device (cable, radio or other)

	System A	System B	Voice communication
	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 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 ...	Select ...	Select ... Select ...
Video system finish	SWISS TIMING	Antrica	1080p 25 fps

**Software**

Result Software	Software company	Software name/version
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

	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	

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### 6.3.2. Sprint Finals

TimingReport 6.6.0  
File Edit Options

**Timing and Data Technical Report Cross-Country**  
SWC - Stage World Cup Sprint Final Men for codex 2026  
Accepted languages for report content: English, French, German

**Timing Devices**

	Brand / Company	Model	Serial number	Homologation	
System A Timer (at finish)	ALGE	Timy2 PXE	34653465	DIG.087.14	✓
System B Timer (at finish)	ALGE	TdC 8001	04040396	ALG.003T.10	✓
Timer A Start (if used)	Select ...				
Timer B Start (if used)	Select ...				
Start device	ALGE	e-Start	452345		
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓
Photo Finish A (if used)	ALGE	OPTIc3-PRO	456456	ALG.P271.24	✓
Photo Finish B (if used)	LYNX	EtherLynx Vision PRO	45674567	LYN.P269.24	✓

Connection to start device (cable, radio or other):  
 System A: Cable    System B: Cable    Voice communication: Cable

System A not used (enter the reason)     System B not used (enter the reason)

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Timing Report 6.0.0  
File Edit Options

**Timing and Data Technical Report Cross-Country**  
SWC - Stage World Cup Sprint Final Men for codex 2026  
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	active
Transponder decoder (at finish)	MYLAPS	ProChip Smart	active
Heat start gates	ALGE	Start Gate	with photo cell
Video system start	Select ...	Select ...	Select ... Select ...
Video system finish	SWISS TIMING	Antrica	1080p 25 fps

**Software**

	Software company	Software name/version
Result Software	VOLA	5.0.17

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Timing Report 6.0.0

File Edit Options

**Timing and Data Technical Report Cross-Country**  
 SWC - Stage World Cup Sprint Final Men for codex 2026  
 Accepted languages for report content: English, French, German

**Synchronization**

	System A (at finish)	System B (at finish)	Hand
Synchronization time	08:40:00		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

**All Final heats**

	System A	System B	Hand
Start TOD First	09:26:13.9400	09:26:13.9413	9:26:13.90
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	10:25:28.55
Finish TOD Last	10:26:46.2941	10:26:46.2899	10:26:46.25
Net Time System A/ BIB Last	1:17.70	86	

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### 6.3.3. Mass start

TimingReport 6.6.0

File Edit Options

**Timing and Data Technical Report Cross-Country**  
 JUN - Junior Mass Start Men for codex 2461

Accepted languages for report content: English, French, German

**Timing Devices**

	Brand / Company	Model	Serial number	Homologation	
System A Timer (at finish)	EMIT	ETS2	876200556	EMI.001T.20	✓
System B Timer (at finish)	EMIT	ETS2	876200559	EMI.001T.20	✓
Timer A Start (if used)	Select ...				
Timer B Start (if used)	Select ...				
Start device	ALGE	e-Start	2453453		
Finish Cells A	TAG HEUER	HL 2-31	8647	TAG.L47.03	✓
Finish Cells B	TAG HEUER	HL 2-31	8648	TAG.L47.03	✓
Photo Finish A (if used)	ALGE	OPTic3	q2342342	ALG.P270.24	✓
Photo Finish B (if used)	SWISS TIMING	Myria	56756756	SWI.P267.24	✓

Connection to start device (cable, radio or other)

	System A	System B	Voice communication
	Cable	Cable	Radio

System A not used (enter the reason)

System B not used (enter the reason)

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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 ...	Select ...	Select ...

**Software**

	Software company	Software name/version
Result Software	VOLA	7.0.14

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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	

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### 6.3.4. Gundersen, Pursuit

TimingReport 6.6.0

File Edit Options

**Timing and Data Technical Report Nordic Combined**  
OPA - Alpen Cup Individual Gundersen Men for codex 4126

Accepted languages for report content: English, French, German

**Timing Devices**

	Brand / Company	Model	Serial number	Homologation	
System A Timer (at finish)	ALGE	Timy2 PXE	2345235	ALG.080T.10	✓
System B Timer (at finish)	ALGE	TdC 8001	04040396	ALG.003T.10	✓
Timer A Start (if used)	Select ...				
Timer B Start (if used)	Select ...				
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓
Photo Finish A (if used)	ALGE	OPTIc3	5467	ALG.P270.24	✓
Photo Finish B (if used)	LYNX	EtherLynx Vision (5L5C	3478888	LYN.P268.24	✓

Connection to start device (cable, radio or other)

System A: Cable    System B: Cable    Voice communication: Cable

System A not used (enter the reason)

System B not used (enter the reason)

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Timing Report 6.0.0

File Edit Options

**Timing and Data Technical Report Nordic Combined**  
WC - World Cup Individual Gundersen Men for codex 4126

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	active	
Transponder decoder (at finish)	MYLAPS	ProChip Smart	active	
Video system start	SWISS TIMING	Antrica	1080p	25 fps
Video system finish	Select ...	Select ...	Select ...	Select ...

**Software**

Software company: VOLA    Software name/version: 5.0.17

Result Software

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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

	System A	System B	Hand
<b>1st Run</b>			
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	

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## 6.4. Freestyle/Snowboard

## 6.5. Freestyle/Snowboard Cross

### Qualification and Finals

TimingReport 6.6.0

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 Devices**

	Brand / Company	Model	Serial number	Homologation	
System A Timer (at finish)	ALGE	Timy3 WP	170120004	ALG.090.14	✓
System B Timer (at finish)	ALGE	Timy3 WP	170120005	ALG.090.14	✓
Timer A Start (if used)	Select ...				
Timer B Start (if used)	Select ...				
Start Device Qualification	BRANDAUER	Startdoor SG2	4534	BRA.x96.15	✓
Start Device Finals	Select ...				
Start Clock / Beep	ALGE	Select ...	4325234		
Finish Cells A	ALGE	PR1a	130104031	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	161164020	ALG.L74T.09	✓
Photo Finish A (if used)	ALGE	OPTic3-PRO	34525	ALG.P271.24	✓
Photo Finish B (if used)	Select ...				

Connection to start device (cable, radio or other)

	System A	System B	Voice communication
	Cable	Cable	Cable

System A not used (enter the reason)

System B not used (enter the reason)

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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	Select ...	Select ...	Select ... Select ...
Video system finish	Select ...	Select ...	Select ... Select ...

**Software**

	Software company	Software name/version
Result Software	Select...	Freestylesolution 2019 \

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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	Select ...	Select ...	Select ... Select ...
Video system finish	Select ...	Select ...	Select ... Select ...

**Software**

	Software company	Software name/version
Result Software	Select...	Freestylesolution 2019 \

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**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)	ALGE	Timy3 W	536456	ALG.089.14	✓
Timer B Start (if used)	ALGE	Timy3 WP	546456	ALG.090.14	✓
Start device	TAG HEUER	HL7-1	42342342	TAG.S54.03	✓
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓
Photo Finish A (if used)	ALGE	OPTIc3	1234	ALG.P270.24	✓
Photo Finish B (if used)	ALGE	OPTIc3	1235	ALG.P270.24	✓

Connection to start device (cable, radio or other)

	System A	System B	Voice communication
	Cable	Cable	Cable

System A not used (enter the reason)

System B not used (enter the reason)

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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	Select ...	Select ...	Select ... Select ...
Video system finish	Select ...	Select ...	Select ... Select ...

**Software**

	Software company	Software name/version
Result Software	GLOBAL-SPORTSER	Freestylesolution 2019 \

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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

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### 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 ...	Select ...			
Timer B Start (if used)	Select ...	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: Cable    System B: Cable     Voicocom

System A not used (enter the reason)     System B not used (enter the reason)

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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	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	

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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 <- Quali run 1+2

**All Final heats**

	System A	System B	Hand
Start TOD First	19:31:02.050	19:31:02.050	19:31:02.050
Finish TOD First	19:31:27.690	19:31:27.690	19:31:27.690
Net Time System A/ BIB First	0:25.64	28	
Start TOD Last	20:27:15.462	20:27:15.462	20:27:15.460
Finish TOD Last	20:27:40.098	20:27:40.098	20:27:40.090
Net Time System A/ BIB Last	0:24.63	1	
Net Time System A/ BIB Best	00:00.00		

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### 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

**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)	Select...				
Timer B Start (if used)	Select...				
Start Device A	TAG HEUER	HL7-1	42342342	TAG.S54.03	✓
Start Device B	ALGE	RLS1c RX	34253245	ALG.L66.03	✓
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓

Connection to start device (cable, radio or other)

System A: Cable    System B: Cable     Voicemcom

System A not used (enter the reason)     System B not used (enter the reason)

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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    Final run 2 ->

	Qualification		Final run 1	
	System A	System B	System A	System B
Start TOD First	09:26:13.9400	09:26:13.9413	13:31:37.4548	13:31:37.4558
Finish TOD First	09:27:24.2100	09:27:24.2090	13:32:52.4199	13:32:52.4232
Speed System A / BIB First	234.55    11		245.12    37	
Start TOD Last	10:25:28.5058	10:25:28.5000	14:12:58.0568	14:12:58.0582
Finish TOD Last	10:26:46.2941	10:26:46.2899	14:14:18.9964	14:14:18.9720
Speed System A / BIB Last	212.22    86		212.78    74	
Speed System A / BIB Best	241.54    5		245.15    13	

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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:

Synchronization confirmation:

**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

	System A	System B
Start TOD First	<input type="text" value="12:58:43.6121"/>	<input type="text" value="12:58:43.6123"/>
Finish TOD First	<input type="text" value="12:58:45.6121"/>	<input type="text" value="12:58:45.6125"/>
Speed System A / BIB First	<input type="text" value="214.35"/> <input type="text" value="12"/>	
Start TOD Last	<input type="text" value="13:45:09.8090"/>	<input type="text" value="13:45:09.8095"/>
Finish TOD Last	<input type="text" value="13:47:09.8090"/>	<input type="text" value="13:47:09.8090"/>
Speed System A / BIB Last	<input type="text" value="211.22"/> <input type="text" value="54"/>	
Speed System A / BIB Best	<input type="text" value="241.35"/> <input type="text" value="13"/>	

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## 7. Document Control

### Version 1 (October 2019)

Section	Description
Global	<ul style="list-style-type: none"> <li>Initial version</li> </ul>

### Version 2 (November 2019)

Section	Description
Global	<ul style="list-style-type: none"> <li>Add best practices to enter time format of time of day</li> </ul>

### Version 3 (November 2019)

Section	Description
Global	<ul style="list-style-type: none"> <li>Add Windows install information</li> </ul>

### Version 4 (October 2020)

Section	Description
Global	<ul style="list-style-type: none"> <li>Typo correction</li> </ul>

### Version 5 (November 2020)

Section	Description
Global	<ul style="list-style-type: none"> <li>Text updates</li> <li>Update examples CC, NK</li> <li>Add information for download issue</li> <li>Add transponder decoder information</li> </ul>

### Version 6 (March 2021)

Section	Description
Global	<ul style="list-style-type: none"> <li>Change term race to competition</li> <li>Add menu Move Times</li> <li>Updates screen shots</li> <li>Add select box Select runs used</li> </ul>

### Version 7 (March 2022)

Section	Description
Global	<ul style="list-style-type: none"> <li>New document template, update FIS name</li> </ul>

### Version 8 (October 2022)

Section	Description
Global	<ul style="list-style-type: none"> <li>New document template</li> <li>Correction of typos</li> </ul>
Example CC, NK Gundersen Pursuit	<ul style="list-style-type: none"> <li>Update 3<sup>rd</sup> picture with TOD Start and Finish the same time</li> </ul>
Example CC, NK Mass start	<ul style="list-style-type: none"> <li>Add new example</li> </ul>
Description field Start TOD Last	<ul style="list-style-type: none"> <li>Update text</li> </ul>
Downloads, installation and updates	<ul style="list-style-type: none"> <li>Add URL download FIS website</li> </ul>

### Version 9 (November 2023)

Section	Description
Downloads, installation and updates	<ul style="list-style-type: none"> <li>Removed FTP download</li> </ul>

### Version 10 (January 2024)

Section	Description
Downloads, installation and updates	<ul style="list-style-type: none"> <li>Removed support of Windows 8.1</li> </ul>
Supported FIS disciplines and events	<ul style="list-style-type: none"> <li>Updated unsupported events</li> </ul>

### Version 11 (October 2024)

Section	Description
Downloads, installation and updates	<ul style="list-style-type: none"> <li>Updated installation instructions for macOS</li> </ul>

### Version 12 (December 2024)

Section	Description
Downloads, installation and updates	<ul style="list-style-type: none"> <li>Updated installation instructions for macOS</li> </ul>
Timing and timing support device identification and specification items	<ul style="list-style-type: none"> <li>Update homologation number text</li> </ul>
Discipline specific examples	<ul style="list-style-type: none"> <li>Update examples with screenshots showing timing device setups with photo finish cameras</li> </ul>