

**FÉDÉRATION INTERNATIONALE DE SKI  
INTERNATIONAL SKI FEDERATION  
INTERNATIONALER SKIVERBAND**

**Timing and Data Technical Report Software  
User Manual**

**Version 1**

**October 2019**

Valid for software versions 5.0+

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## Document Control

Version History	Description
Version 1 (October 2019)	Initial version

## 1. General

The Timing and Data Technical Report Form (Timing Report) is a required document that must be correctly completed and submitted with all race results for all supported events in the FIS calendar (see chapter 1). 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 filledout 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 the vast majority of 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, plus 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.

### 1.1. 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 or on FTP:  
<ftp://ftp.fis-ski.com/Software/Programs/TimingReport/>

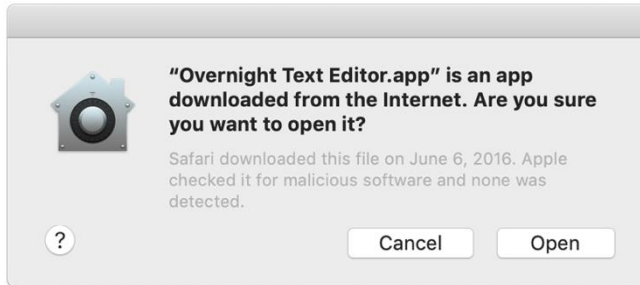
Supported operating systems:

- Windows 7, 8, 10
- macOS 10.10+ (64bit)

Installation on Windows: Execute the installer program and follow the instructions of the installation wizard.

Installation on macOS: open the DMG file and drag and drop the Timing Report application to the Application folder.

You'll maybe discover a message in macOS when you try to launch a Mac app that didn't come from a verified source or from the Mac App Store, 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. Right-click (or control-click) the application and choose "Open".
2. Click the "Open" button at the next dialog warning to launch the app anyway.

When a newer version of the software is available, a notice within the software will alert you of the need to update (see chapter 2.2). 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 use always 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.

## 1.2. 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 race codex is provided in the FIS calendar).

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

- Freestyle Skiing: Aerials, Aerials Team, Aerials Team Qualification, Halfpipe, Slopestyle, Big Air, Big Air Team, Ski Cross Qualification (only)
- Snowboard: Halfpipe, Slopestyle, Big Air, Snowboard Cross Qualification (only)

### 1.3. 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.

### 1.4. 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.

### 1.5. 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.

### 1.6. Timing report XML file transmission

The timing report XML files must be sent to: [results@fisski.com](mailto:results@fisski.com)  
([alpineresults@fisski.com](mailto:alpineresults@fisski.com) is also still valid)

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

Example email subject: AUT1234

File name of the xml files: <NSA code><race 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.

### 1.7. Support

For support requests, questions and feedback please contact the FIS IT department: [it@fisski.com](mailto:it@fisski.com).

A support request for a certain timing report should at minimum contain the FIS discipline, FIS race codex and a short description of the issue.

The *Report an issue* functionality within the software can be used too (see chapter 2.3.3 Options/Report an issue, 3.1 Setting/General see log file items).

The preferred support language is English.



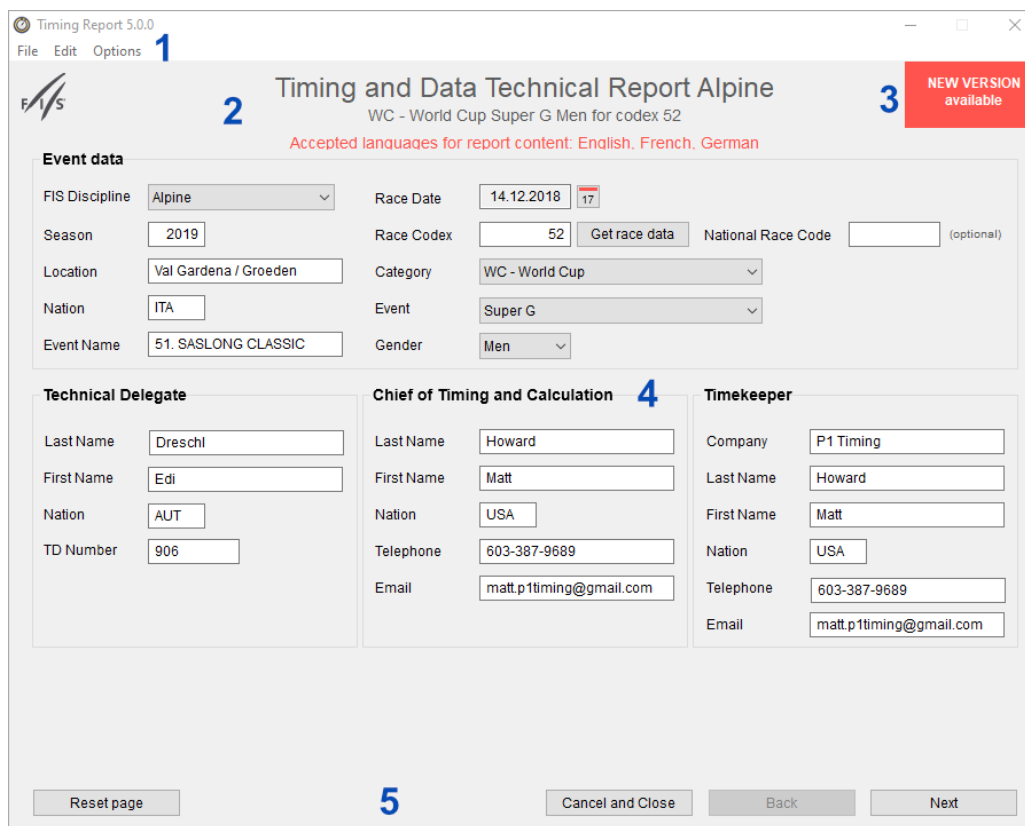
## 2. Timing Report Software

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.

### 2.1. 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 checks to see if updates are available, and the FIS data and timing device data are downloaded and updated.

### 2.2. 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

## 2.3. Menus

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

### 2.3.1. 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.

### 2.3.2. Edit

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

### 2.3.3. 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

#### **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.

**2.4. 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.

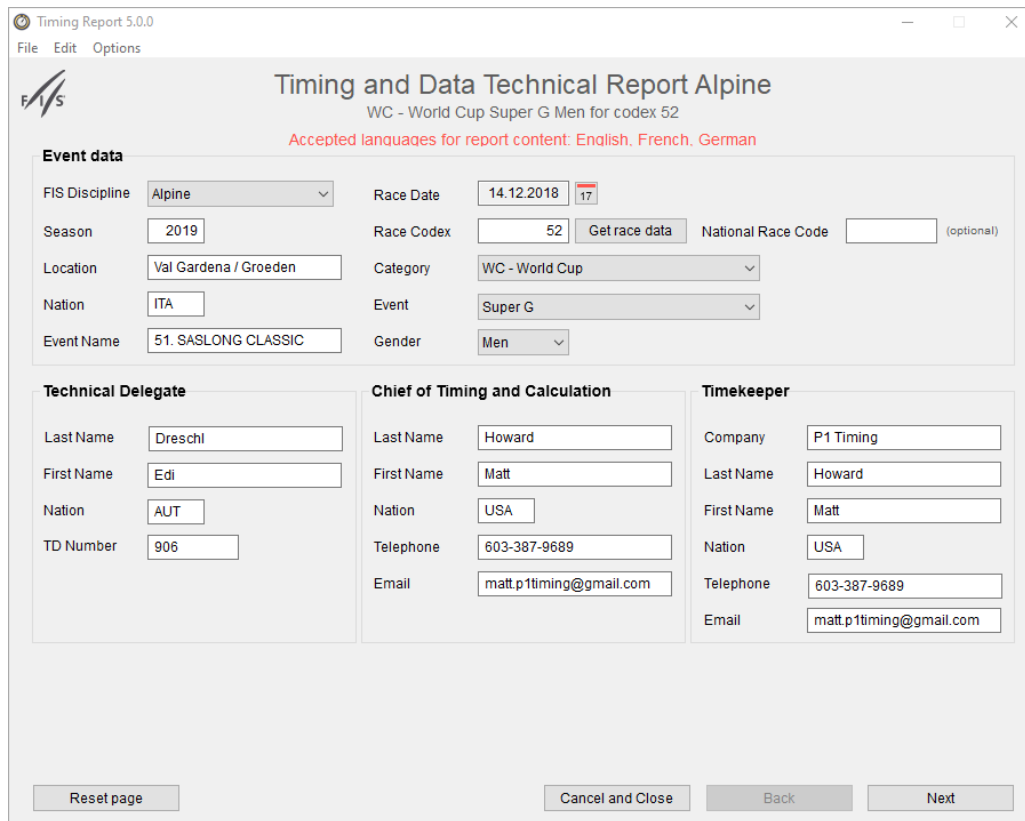
**Outputs**

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

## 2.5. Page 1

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



### 2.5.1. 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 race. 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.

### **Race date**

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

### **Codex**

All events in the FIS Calendar are assigned a code number so that they can be correctly identified. This race ID-code number is called the „CODEX“ and there is one codex for each race that is assigned by discipline and gender.

The codex for the race 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 race data* after the codex has been entered will load all available data from FIS database online and automatically fills and sets the data for sections Event data and Technical delegate.

### **National Race Code (optional)**

Text field for the national race code to identify and use the timing reports on national level.

### **Category**

Select box for the race categories related to the selected FIS discipline.

### **Event**

Select box for the race event related to the selected FIS discipline.

### **Gender**

Select box for the competition gender.

## **2.5.2. 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.

### 2.5.3. 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.

### 2.5.4. 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 3.2 Settings/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**

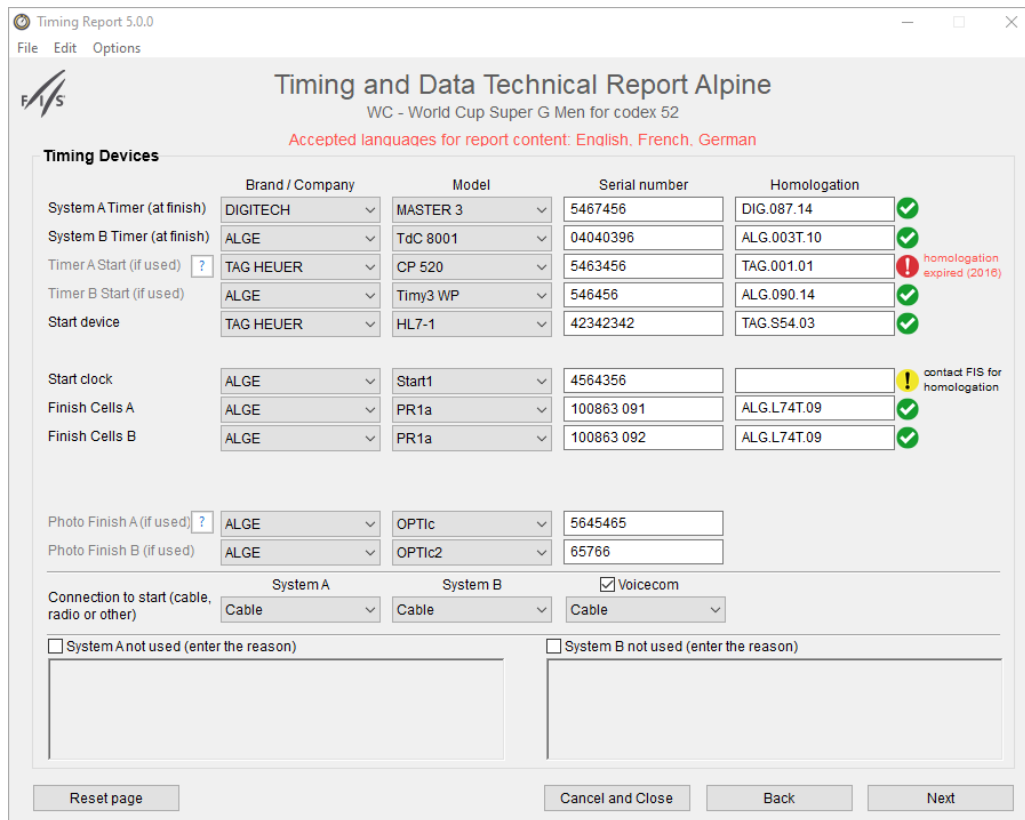
Text field for email address timekeeper.

## 2.6. Page 2 – Timing Devices

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

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 chapter 3.3 Settings/Timing devices).



Timing Report 5.0.0  
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) ?	TAG HEUER	CP 520	5463456	TAG.001.01	! homologation expired (2016)
Timer B Start (if used)	ALGE	Timy3 WP	546456	ALG.090.14	✓
Start device	TAG HEUER	HL7-1	42342342	TAG.S54.03	✓
Start clock	ALGE	Start1	4564356		! contact FIS for homologation
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	OPTic	5645465		
Photo Finish B (if used)	ALGE	OPTic2	65766		

Connection to start (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

## 2.6.1. 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 name of the particular 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, start clocks and photo cells 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

### 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).



## 2.6.2. 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.

### **Start device**

A start device can be a start gate, start door or photo cell 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**

Start clock at the start.

### **Finish Cells A and B**

Photo cells 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**

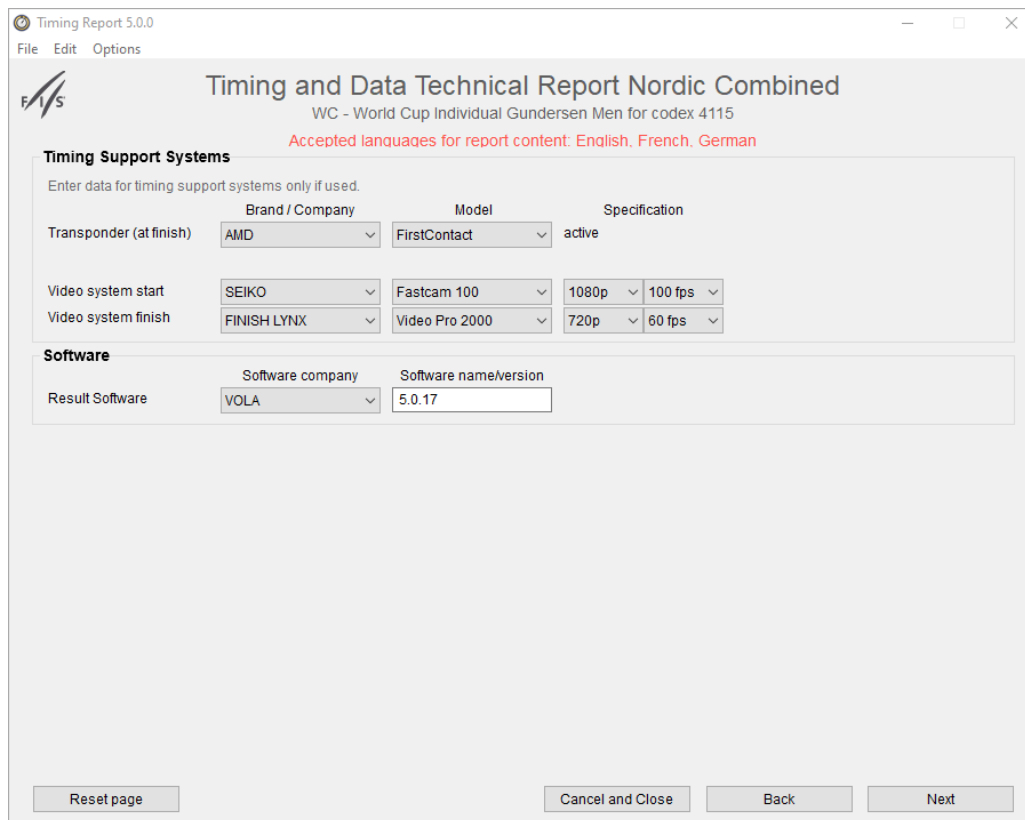
If an issue occurred where system A or B were not used, specify in detail the reason(s) why.

## 2.7. Page 3 – Timing Support Systems / Software

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

All available timing support device categories (transponder, 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 chapter 3.4 Settings/Timing Support Devices / Software ).



The screenshot shows the 'Timing Report 5.0.0' application window. The title bar includes 'Timing Report 5.0.0' and standard window controls. The menu bar contains 'File', 'Edit', and 'Options'. The main content area features the FIS logo and the title 'Timing and Data Technical Report Nordic Combined' with the subtitle 'WC - World Cup Individual Gundersen Men for codex 4115'. A note indicates 'Accepted languages for report content: English, French, German'.

The 'Timing Support Systems' section includes the instruction 'Enter data for timing support systems only if used.' and a table with columns for 'Brand / Company', 'Model', and 'Specification':

	Brand / Company	Model	Specification
Transponder (at finish)	AMD	FirstContact	active
Video system start	SEIKO	Fastcam 100	1080p 100 fps
Video system finish	FINISH LYNX	Video Pro 2000	720p 60 fps

The 'Software' section includes a table with columns for 'Software company' and 'Software name/version':

	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'.

### 2.7.1. Timing Support Systems

#### Transponder

Transponder system used at finish.

#### Heart 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.

### 2.7.2. Software

#### Results software

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

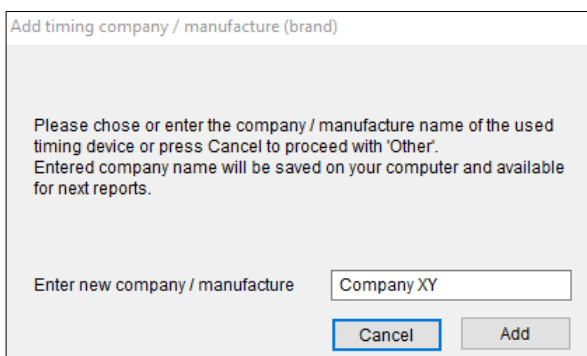
**Attention:** Always check the results from the printed tape of the timing device with the results that you get from the software. These data must be identical.

### 2.7.3. 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.*

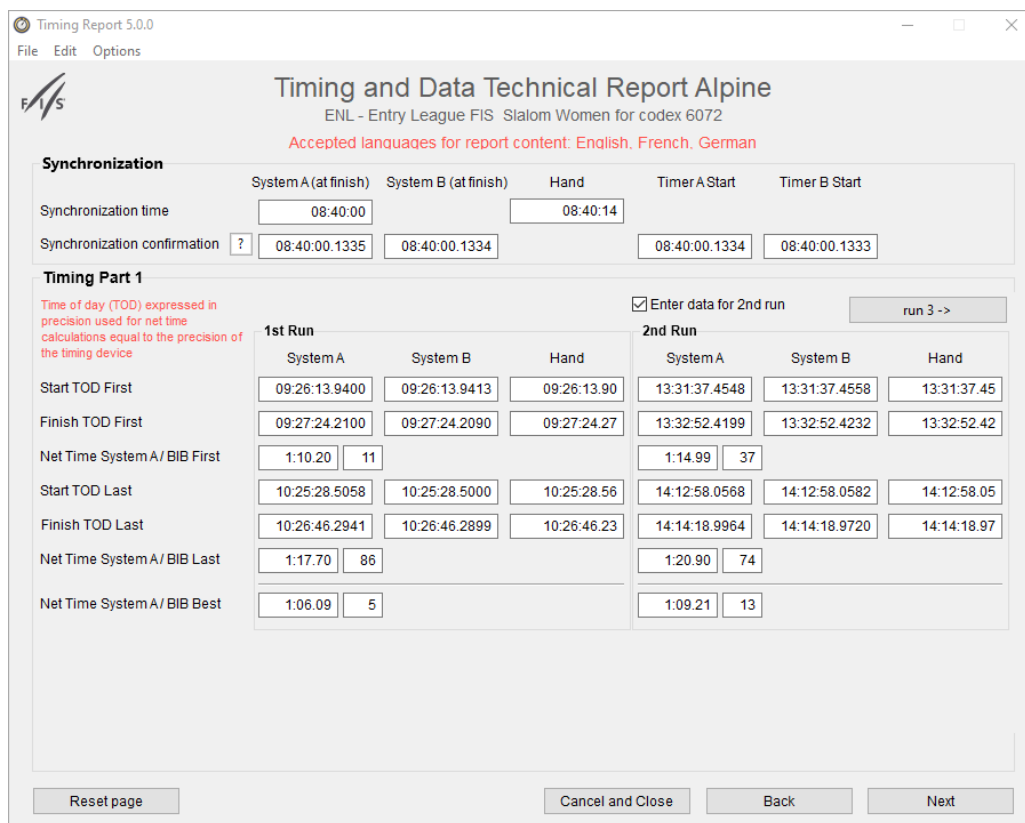
*Timing support devices are not subjects of homologation.*

## 2.8. 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 in Cross-Country and Nordic Combined.*



**Timing Report 5.0.0**  
File Edit Options

**Timing and Data Technical Report Alpine**  
ENL - Entry League 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		08:40:14		
Synchronization confirmation	08:40:00.1335	08:40:00.1334		08:40:00.1334	08:40:00.1333

**Timing Part 1**  
Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device

Enter data for 2nd run run 3 ->

	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	09:26:13.90	13:31:37.4548	13:31:37.4558	13:31:37.45
Finish TOD First	09:27:24.2100	09:27:24.2090	09:27:24.27	13:32:52.4199	13:32:52.4232	13:32:52.42
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	10:25:28.56	14:12:58.0568	14:12:58.0582	14:12:58.05
Finish TOD Last	10:26:46.2941	10:26:46.2899	10:26:46.23	14:14:18.9964	14:14:18.9720	14:14:18.97
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

**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)

**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.

**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“.

## 2.9. Page 5

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File Edit Options

**Timing and Data Technical Report Alpine**  
ENL - Entry League FIS Sialom Women for codex 6072

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?
20	1	Batteries		System B
5	1	Snow obscuration		Manual
20	1	Batteries		System B
5	1	Snow obscuration		Manual

Comments run 1  
lyfxgdfg

Comments run 2  
Dsfghdf

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 racers 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 racer(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 racers 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.

### 3. 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.

#### 3.1. 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.

## **3.2. 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 2.5.4 Timekeeper).

## **3.3. 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 2.6 Page 2 – Timing Devices).

### **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.

## **3.4. 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 2.7 Page 3 – Timing Support Systems / Software).

## **3.5. 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 to send the timing report XML file as attachment to an email with your standard email software.*

## 4. 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.

### 4.1. Load event, race and TD information online from FIS database

Event data, race 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 race on page 1 of the timing report software, press the button *Get race data* and all available information of the race and TD should be loaded to the respective data fields. The National Race Codex must only be entered if needed (e.g. for identification of the race on national level). For more details see chapter 2.5 Page 1.

### 4.2. 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 3, Settings.

### 4.3. 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 4.2. 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. 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).

### 5.1. Alpine

#### 5.1.1. Race with 1 run

	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	ALGE	Start lock 1	87987987		! contact FIS for homologation
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	OPTic	5645465		
Photo Finish B (if used)	ALGE	OPTic2	65766		

Connection to start (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)

Timing Report 5.0.0
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	<input type="text" value="08:40:00"/>		<input type="text" value="08:40:14"/>		
Synchronization confirmation ?	<input type="text" value="08:40:00.1335"/>	<input type="text" value="08:40:00.1334"/>		<input type="text" value="08:40:00.1341"/>	<input type="text" value="08:40:00.1339"/>

**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	<input type="text" value="09:26:13.9400"/>	<input type="text" value="09:26:13.9413"/>	<input type="text" value="9:26:13.90"/>
Finish TOD First	<input type="text" value="09:27:24.2100"/>	<input type="text" value="09:27:24.2090"/>	<input type="text" value="09:27:24.20"/>
Net Time System A/ BIB First	<input type="text" value="1:10.20"/> <input type="text" value="11"/>		
Start TOD Last	<input type="text" value="10:25:28.5058"/>	<input type="text" value="10:25:28.5000"/>	<input type="text" value="10:25:28.55"/>
Finish TOD Last	<input type="text" value="10:26:46.2941"/>	<input type="text" value="10:26:46.2899"/>	<input type="text" value="10:26:46.25"/>
Net Time System A/ BIB Last	<input type="text" value="1:17.70"/> <input type="text" value="86"/>		
Net Time System A/ BIB Best	<input type="text" value="1:06.09"/> <input type="text" value="5"/>		

Enter data for 2nd run

**2nd Run**

	System A	System B	Hand
Start TOD First	<input type="text"/>	<input type="text"/>	<input type="text"/>
Finish TOD First	<input type="text"/>	<input type="text"/>	<input type="text"/>
Net Time System A/ BIB First	<input type="text"/>	<input type="text"/>	
Start TOD Last	<input type="text"/>	<input type="text"/>	<input type="text"/>
Finish TOD Last	<input type="text"/>	<input type="text"/>	<input type="text"/>
Net Time System A/ BIB Last	<input type="text"/>	<input type="text"/>	
Net Time System A/ BIB Best	<input type="text"/>	<input type="text"/>	

Reset page
Cancel and Close
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### 5.1.2. Race with 2 run

Timing Report 5.0.0  
File Edit Options

## Timing and Data Technical Report Alpine

ENL - Entry League FIS Sialom 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	✓
Photo Finish A (if used)	ALGE	OPTic	5645465		
Photo Finish B (if used)	ALGE	OPTic2	65766		
Connection to start (cable, radio or other)		System A Cable	System B Cable	<input checked="" type="checkbox"/> Voicecom Cable	
<input type="checkbox"/> System A not used (enter the reason)			<input type="checkbox"/> System B not used (enter the reason)		

Timing Report 5.0.0  
File Edit Options

## Timing and Data Technical Report Alpine

ENL - Entry League FIS Sialom 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		08:40:14		
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

Enter data for 2nd run

	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	

### 5.1.3. Race with heats

Timing Report 5.0.0  
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

**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 blue course	TAG HEUER	HL7-1	42342342	TAG.S54.03	✓
Start Device red course	TAG HEUER	HL7-1P	trzi	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	zuizui	ALG.L91.14	✓
Finish Cells B red course	MICROGATE	FCT3	6875	MGA.L69.03	✓
Photo Finish A (if used) ?	ALGE	OPTic	5645465		
Photo Finish B (if used)	ALGE	OPTic2	65766		

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

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

Reset page    Cancel and Close    Back    Next

Timing Report 5.0.0  
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		08:40:14		
Synchronization confirmation ?	08:40:00.1335	08:40:00.1334		08:40:00.1338	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 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	

Net times only if applicable

Delayed start door used for run 2:  Yes     No

Reset page    Cancel and Close    Back    Next



## 5.2. Cross-Country/Nordic Combined

### 5.2.1. Individual/Sprint Qualification

Timing Report 5.0.0  
File Edit Options

**Timing and Data Technical Report Cross-Country**  
SPWQ - Sprint Qualification Sprint Qualification Women for codex 4129  
Accepted languages for report content: English, French, German

**Timing Devices**

	Brand / Company	Model	Serial number
System A Timer (at finish)	DIGITECH	MASTER 3	5467456
System B Timer (at finish)	ALGE	TdC 8001	04040396
Timer A Start (if used) ?	ALGE	Timy3 W	536456
Timer B Start (if used)	ALGE	Timy3 WP	546456
Start device	TAG HEUER	HL7-1	23nw434
Start clock	ALGE	Start lock 1	342343
Finish Cells A	ALGE	PR1a	100863 091
Finish Cells B	ALGE	PR1a	100863 092
Photo Finish A (if used) ?	ALGE	OPTIc	5645465
Photo Finish B (if used)	ALGE	OPTIc2	65766

Connection to start (cable, radio or other)

System A	System B	Voicecom
Cable	Cable	<input checked="" type="checkbox"/> Cable

System A not used (enter the reason)

System B not used (enter the reason)

Reset page Cancel and Close Back Next

Timing Report 5.0.0  
File Edit Options

**Timing and Data Technical Report Cross-Country**  
SPWQ - Sprint Qualification Sprint Qualification Women for codex 4129  
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 (at finish)	AMD	FirstContact	active
Video system start	Select ...	Select ...	Select ... Select ...
Video system finish	SEIKO	Fastcam 100	1080p 100 fps

**Software**

Software company	Software name/version
VOLA	5.0.17

Reset page Cancel and Close Back Next

### 5.2.2. Sprint Finals

Timing Report 5.0.0  
File Edit Options

**Timing and Data Technical Report Cross-Country**  
OPA - Alpen Cup Sprint Final Women for codex 4385  
Accepted languages for report content: English, French, German

**Timing Devices**

	Brand / Company	Model	Serial number
System A Timer (at finish)	ALGE	Timy3 W	1611009
System B Timer (at finish)	ALGE	Timy3 W	17012003
Timer A Start (if used) ?	Select ...		
Timer B Start (if used)	Select ...		
Start device	ALGE	STScM2S	1230098
Finish Cells A	TAG HEUER	HL 2-32	953
Finish Cells B	TAG HEUER	HL 2-32	954
Photo Finish A (if used) ?	ALGE	OPTic3-PRO	170208006
Photo Finish B (if used)	Select ...		

Connection to start (cable, radio or other)

System A	System B	Voicecom
Cable	Cable	<input checked="" type="checkbox"/>

System A not used (enter the reason)

System B not used (enter the reason)

Reset page      Cancel and Close      Back      Next

Timing Report 5.0.0  
File Edit Options

**Timing and Data Technical Report Cross-Country**  
OPA - Alpen Cup Sprint Final Women for codex 4385  
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 (at finish)	ALGE	ALGE T1	active
Heat start gates	ALGE	Heatstart 1	with photo cell
Video system start	Select ...	Select ...	Select ...
Video system finish	SEIKO	Fastcam 100	1080p    100 fps

**Software**

Result Software	Software company	Software name/version
	RACETIMEPRO	cc.Netv19

Reset page      Cancel and Close      Back      Next

### 5.2.3. Gundersen, Mass Start, Pursuit

Timing Report 5.0.0  
File Edit Options

**Timing and Data Technical Report Nordic Combined**  
WC - World Cup Individual Gundersen Men for codex 4115  
Accepted languages for report content: English, French, German

**Timing Devices**

	Brand / Company	Model	Serial number
System A Timer (at finish)	DIGITECH	MASTER 3	5467456
System B Timer (at finish)	ALGE	TdC 8001	04040396
Timer A Start (if used) ?	ALGE	Timy3 W	536456
Timer B Start (if used)	ALGE	Timy3 WP	546456
Finish Cells A	ALGE	PR1a	100863 091
Finish Cells B	ALGE	PR1a	100863 092
Photo Finish A (if used) ?	ALGE	OPTic	5645465
Photo Finish B (if used)	ALGE	OPTic2	65766

Connection to start (cable, radio or other)

System A	System B	Voicecom
Cable	Cable	<input checked="" type="checkbox"/> Cable

System A not used (enter the reason)

System B not used (enter the reason)

Reset page      Cancel and Close      Back      Next

Timing Report 5.0.0  
File Edit Options

**Timing and Data Technical Report Nordic Combined**  
WC - World Cup Individual Gundersen Men for codex 4115  
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 (at finish)	AMD	FirstContact	active
Video system start	SEIKO	Fastcam 100	1080p    100 fps
Video system finish	FINISH LYNX	Video Pro 2000	720p    60 fps

**Software**

	Software company	Software name/version
Result Software	VOLA	5.0.17

Reset page      Cancel and Close      Back      Next

### 5.3. Freestyle/Snowboard

#### 5.3.1. Freestyle/Snowboard Cross

#### Qualification and Finals

Timing Report 5.0.0

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 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	BRANDAUER	Startdoor SG2	4534	BRAx96.15	✓
Start clock	ALGE	Start lock 1	4325234		! contact FIS for homologation
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		
Photo Finish B (if used)	Select ...				
Connection to start (cable, radio or other)		System A	System B	<input checked="" type="checkbox"/> Voicecom	
		Cable	Cable	Cable	
<input type="checkbox"/> System A not used (enter the reason)		<input type="checkbox"/> System B not used (enter the reason)			

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Timing Report 5.0.0  
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### 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 (at finish)	ALGE	ALGE T1	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	Free1

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### 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

**Synchronization**

	System A (at finish)	System B (at finish)	Hand
Synchronization time	12:46:00		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

Enter data for Finals

	Qualification			All Final heats		
	System A	System B	Hand	System A	System B	Hand
Start TOD First	14:34:39.760	14:34:39.760	14:34:39.760	15:33:53.738	15:33:53.739	15:33:53.730
Finish TOD First	14:35:39.223	14:35:39.223	14:35:39.220	15:34:56.353	15:34:56.354	15:34:56.350
Net Time System A/ BIB First	0:59.46	1		1:02.61	1	
Start TOD Last	15:13:55.498	15:13:55.498	15:13:55.490	16:05:08.550	16:05:08.550	16:05:08.550
Finish TOD Last	15:14:56.653	15:14:56.653	15:14:56.650	16:06:16.488	16:06:16.488	16:06:16.480
Net Time System A/ BIB Last	1:01.15	36		1:07.93	27	
Net Time System A/ BIB Best	0:58.66	11				

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## Finals only

Timing Report 5.0.0  
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**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	OPTic	5645465		
Photo Finish B (if used)	ALGE	OPTic2	65766		

Connection to start (cable, radio or other)

System A	System B	Voicecom
Cable	Cable	<input checked="" type="checkbox"/>

System A not used (enter the reason)

System B not used (enter the reason)

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Timing Report 5.0.0  
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 Support Systems**

Enter data for timing support systems only if used.

	Brand / Company	Model	Specification
Transponder (at finish)	ALGE	ALGE T1	active
Video system start	Select ...	Select ...	Select ... Select ...
Video system finish	Select ...	Select ...	Select ... Select ...

**Software**

	Software company	Software name/version
Result Software	VOLA	5.0.17

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Timing Report 5.0.0  
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### Timing and Data Technical Report Freestyle

WC - World Cup Ski Cross Final Women for codex 8754  
Accepted languages for report content: English, French, German

**Synchronization**

	System A (at finish)	System B (at finish)	Timer A Start	Timer B Start
Synchronization time	08:40:00			
Synchronization confirmation ?	08:40:00.1335	08:40:00.1334	08:40:00.1341	08:40:00.1339

**Timing Part 1**

Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device

**All heats**

	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
Net Time System A / BIB First	1:10.20	11
Start TOD Last	10:25:28.5058	10:25:28.5000
Finish TOD Last	10:26:46.2941	10:26:46.2899
Net Time System A / BIB Last	1:17.70	86

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### 5.3.2. Moguls

Timing Report 5.0.0  
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### Timing and Data Technical Report Freestyle

NC - National Championships Moguls Women for codex 8788  
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	OPTic	5645465		
Photo Finish B (if used)	ALGE	OPTic2	65766		

Connection to start (cable, radio or other)

	System A	System B	Voicecom
	Cable	Cable	<input checked="" type="checkbox"/>

System A not used (enter the reason)

System B not used (enter the reason)

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Timing Report 5.0.0  
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### Timing and Data Technical Report Freestyle

NC - National Championships Moguls Women for codex 8788  
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		08:40:14		
Synchronization confirmation ?	08:40:00.1335	08:40:00.1334		08:40:00.1335	08:40:00.1335

**Timing Part 1**

Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device

Enter data for 2nd run Finals ->

	Qualification 1st Run			Qualification 2nd Run		
	System A	System B	Hand	System A	System B	Hand
Start TOD First	09:26:13.9400	09:26:13.9413	09:26:13.94	13:31:37.4548	13:31:37.4558	13:31:37.45
Finish TOD First	09:27:24.2100	09:27:24.2090	09:27:24.20	13:32:52.4199	13:32:52.4232	13:32:52.42
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	10:25:28.50	14:12:58.0568	14:12:58.0582	14:12:58.05
Finish TOD Last	10:26:46.2941	10:26:46.2899	10:26:46.28	14:14:18.9964	14:14:18.9720	14:14:18.97
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	

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Timing Report 5.0.0  
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### Timing and Data Technical Report Freestyle

NC - National Championships Moguls Women for codex 8788  
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		08:40:14		
Synchronization confirmation ?	08:40:00.1335	08:40:00.1334		08:40:00.1335	08:40:00.1335

**Timing Part 1**

Time of day (TOD) expressed in precision used for net time calculations equal to the precision of the timing device

Enter data for Finals <- Quali run 1+2

	All Final heats		
	System A	System B	Hand
Start TOD First	12:58:43.6121	12:58:43.6123	12:58:43.61
Finish TOD First	12:58:45.6121	12:58:45.6125	12:58:45.61
Net Time System A/ BIB First	1:45.67	12	
Start TOD Last	13:45:09.8090	13:45:09.8095	13:45:09.80
Finish TOD Last	13:47:09.8090	13:47:09.8090	13:47:09.80
Net Time System A/ BIB Last	2:00.00	54	
Net Time System A/ BIB Best			

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### 5.3.3. Speed Skiing

Timing Report 5.0.0  
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**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	✓
Start clock	ALGE	Start lock 1	ww4ftw4		! contact FIS for homologation
Finish Cells A	ALGE	PR1a	100863 091	ALG.L74T.09	✓
Finish Cells B	ALGE	PR1a	100863 092	ALG.L74T.09	✓

Connection to start (cable, radio or other)

System A	System B	Voicecom
Cable	Cable	<input checked="" type="checkbox"/>

System A not used (enter the reason)

System B not used (enter the reason)

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Timing Report 5.0.0  
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**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

Enter data for Final run 1 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 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	<input type="text" value="08:40:00"/>	
Synchronization confirmation ?	<input type="text" value="08:40:00.1335"/>	<input type="text" value="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

Enter data for Final run 2 <- 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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