

FIGURE SKATING USER MANUAL



FS Manager

User Manual

Version 3.1

Updated: Thursday, 13th April 2023

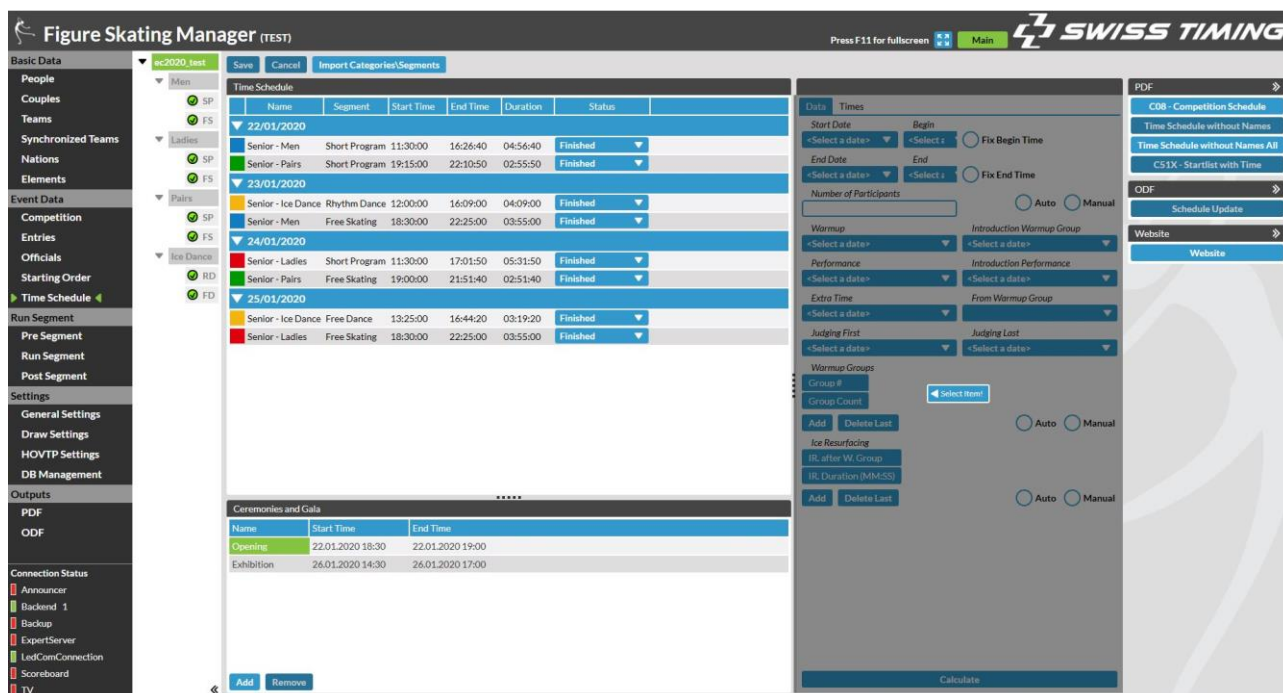


Figure Skating Manager (TEST)

Press F11 for fullscreen | Main | **SWISS TIMING**

Basic Data

- People
- Couples
- Teams
- Synchronized Teams
- Nations
- Elements

Event Data

- Competition
- Entries
- Officials
- Starting Order
- Time Schedule**

Run Segment

- Pre Segment
- Run Segment
- Post Segment

Settings

- General Settings
- Draw Settings
- HOVTP Settings
- DB Management

Outputs

- PDF
- ODF
- Website

Connection Status

- Announcer
- Backend 1
- Backup
- ExpertServer
- LedComConnection
- Scoreboard
- TV

Time Schedule

Name	Segment	Start Time	End Time	Duration	Status
Senior - Men	Short Program	11:30:00	16:26:40	04:56:40	Finished
Senior - Pairs	Short Program	19:15:00	22:10:50	02:55:50	Finished
Senior - Ice Dance	Rhythm Dance	12:00:00	16:09:00	04:09:00	Finished
Senior - Men	Free Skating	18:30:00	22:25:00	03:55:00	Finished
Senior - Ladies	Short Program	11:30:00	17:01:50	05:31:50	Finished
Senior - Pairs	Free Skating	19:00:00	21:51:40	02:51:40	Finished
Senior - Ice Dance	Free Dance	13:25:00	16:44:20	03:19:20	Finished
Senior - Ladies	Free Skating	18:30:00	22:25:00	03:55:00	Finished

Ceremonies and Cals

Name	Start Time	End Time
Opening	22.01.2020 18:30	22.01.2020 19:00
Exhibition	26.01.2020 14:30	26.01.2020 17:00

Data Times

Start Date: <Select a date> | Begin: <Select a date> | Fix Begin Time

End Date: <Select a date> | End: <Select a date> | Fix End Time

Number of Participants: <Select a date> | Auto | Manual

Warmup: <Select a date> | Introduction Warmup Group: <Select a date> | Auto | Manual

Performance: <Select a date> | Introduction Performance: <Select a date> | Auto | Manual

Extra Time: <Select a date> | From Warmup Group: <Select a date> | Auto | Manual

Judging First: <Select a date> | Judging Last: <Select a date> | Auto | Manual

Warmup Groups: <Select item> | Add | Delete Last | Auto | Manual

Ice Resurfacing: <Select a date> | Add | Delete Last | Auto | Manual

Calculate

Documentation Updates

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1 INTRODUCTION

About This Document

This document describes the operation of the FS Manager.

Associated Documents

- FS ISUCutterFS Manual
- FS ISUScore2FS Manual

About the FS Manager application

The FS Manager is a program for the calculation of figure skating competitions following the rules defined by the International Skating Union (ISU). Its windows-based user interface allows you to edit multiple Competitions in one database.

2 HARDWARE AND SOFTWARE REQUIREMENTS

Minimum Requirements

- Intel Processor i5 or higher
- Microsoft® Windows® 10 64bit
- .net 4.7.2
- At least 8GB RAM
- At least 128 GB hard drive
- 1 Gbit network connection
- Printing: Is done through Windows. Laser printer with 6 pages per minute recommended.
- Mouse: Supported by Windows
- Monitor: Full HD Monitor 1920 x 1080 recommended for best user experience

Previous software versions involved less hardware requirements. Updating an obsolete system may work, although we strongly recommend to also update the hardware.

3 SOFTWARE INSTALLATION

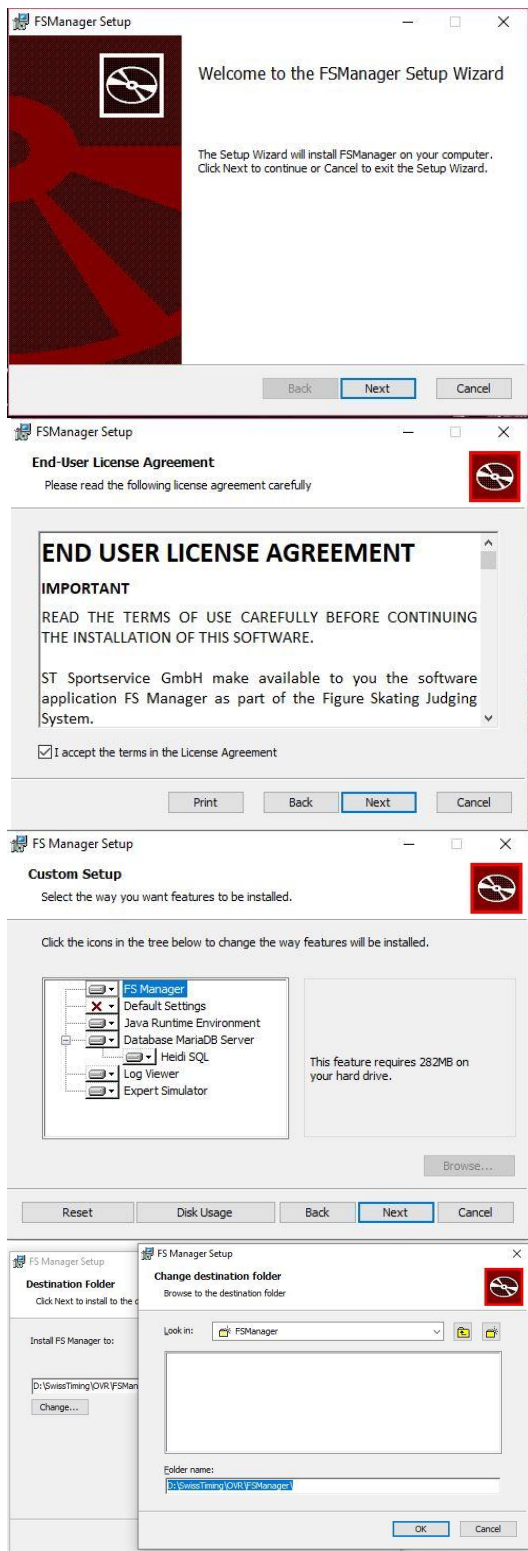
3.1 Preparations

3.2 Included Programs

- FS Manager - User Interface of the FS Manager
- MariaDB - Helpful Tool for creating Databases
- ListTool - Replaced the Crystal Reports Software. Is used for the printouts
- LogViewer - Developer Tool to monitor outgoing Messages
- ExpertSimulator - Tool to simulate data entry with sample Data to test the Scoring System

3.3 Installation Process

Carry out the following steps to install the application:



1. Start the FS MANAGER Setup executable file.

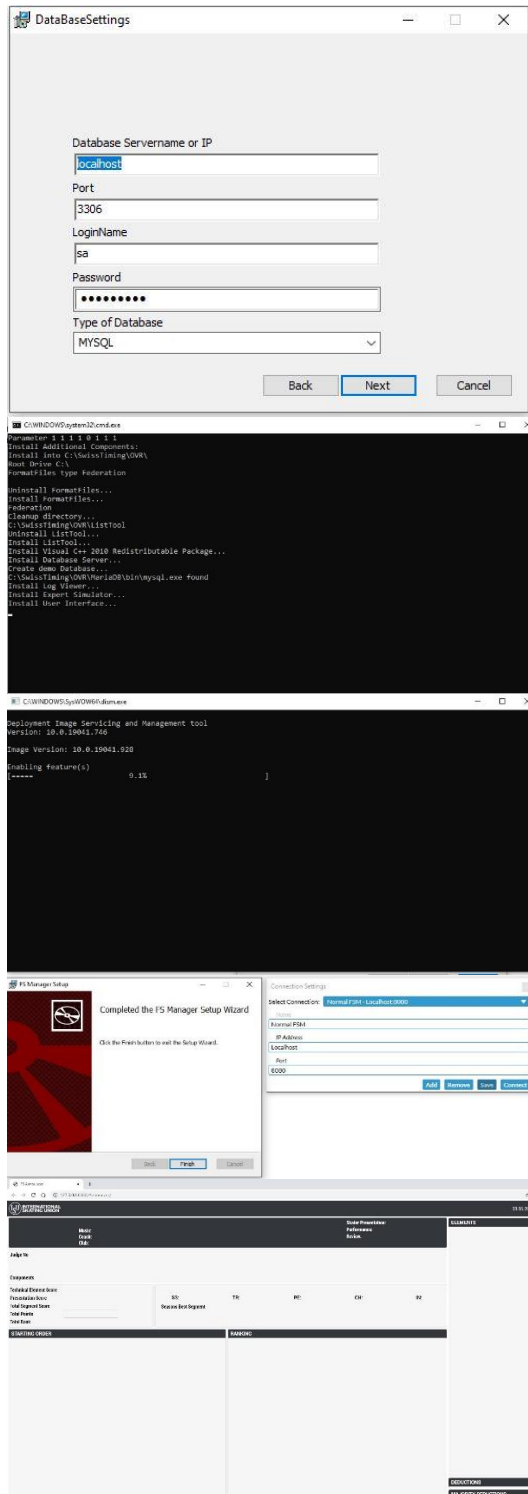
2. Click [Next].

3. Agree to the end user license agreement and click [Next] to continue.

4. Click [Next] to continue.

5. Choose the destination location. Default D:\SwissTiming\OVR\FS MANAGER (Setup will install FS MANAGER in this folder).

6. Click [Next] to continue.



7. Choose Database parameter and click [Next] to continue.

Note: Default Parameter

Database Servername or IP: localhost

Port: 3306

LoginName:sa

Password: fsmanager

Type of Database: MYSQL

8. FS MANAGER uses ListTool for printing Reports. The setup set is included.
9. FS MANAGER uses MYSQL. The setup set is included.
10. Click [Next] to start the installation.

11. Start the FS Manager application on your Desktop

12. Click [Connect] to start the FS MANAGER.

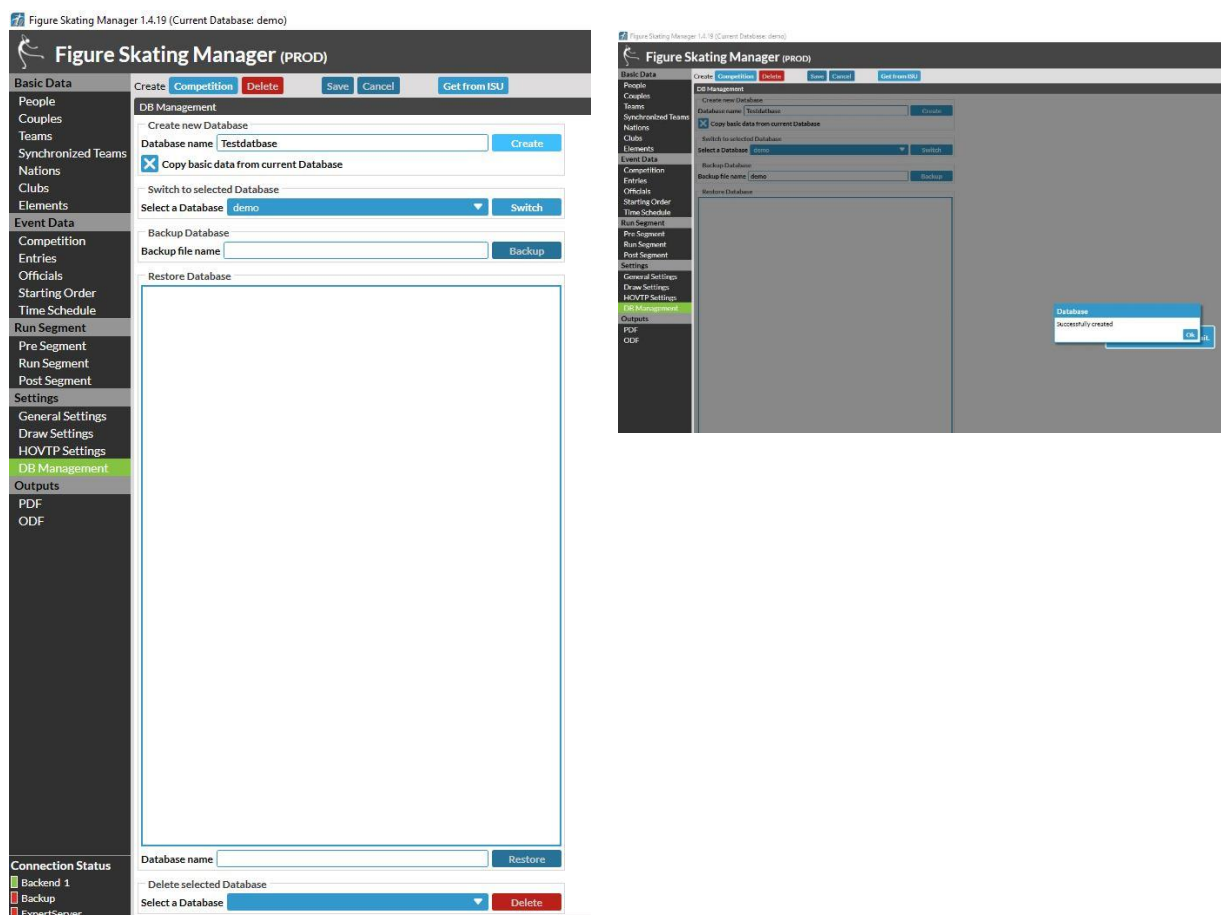
4 DATABASE HANDLING

4.1 Create new Database

There are two options to create a new database.

- Total empty database
 - Database as a copy from a current database (with people, couples, elements, nations)
1. Go to DB Management and Press the Competition Button
 2. Enter a Database name and press Create

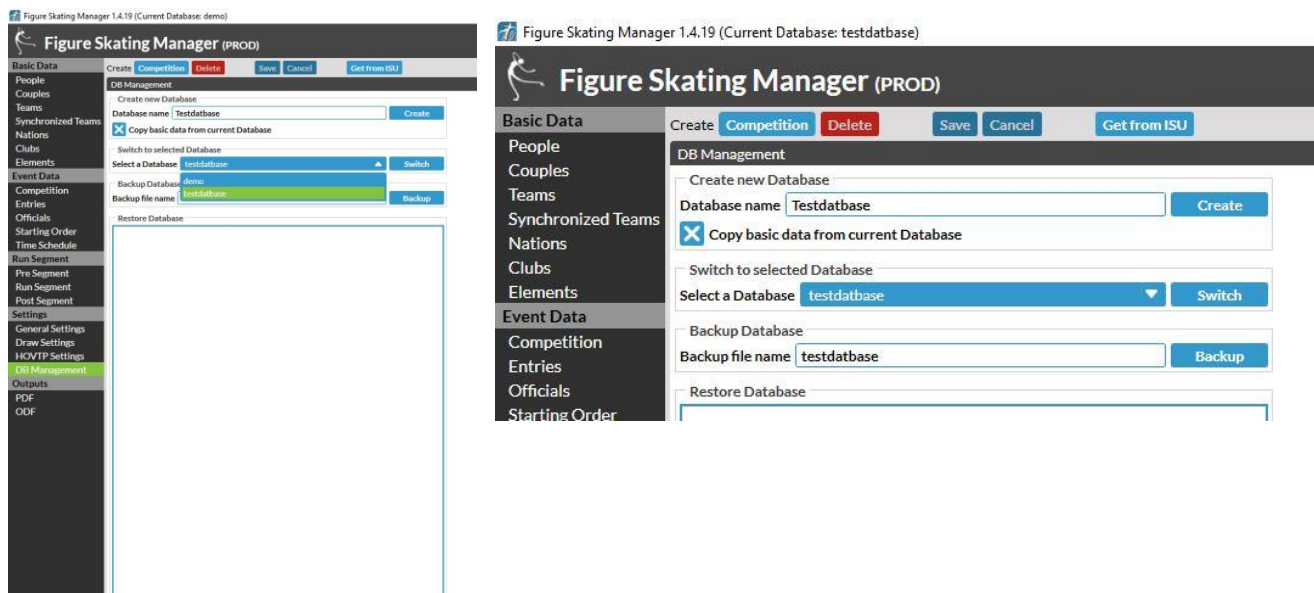
Note: If you did create a Database, it means you have a new Database but you are still working on the old one. Point 4.2 will explain, how you can switch to the new DB.



4.2 Switch to selected Database

Here are all currently available databases selectable.

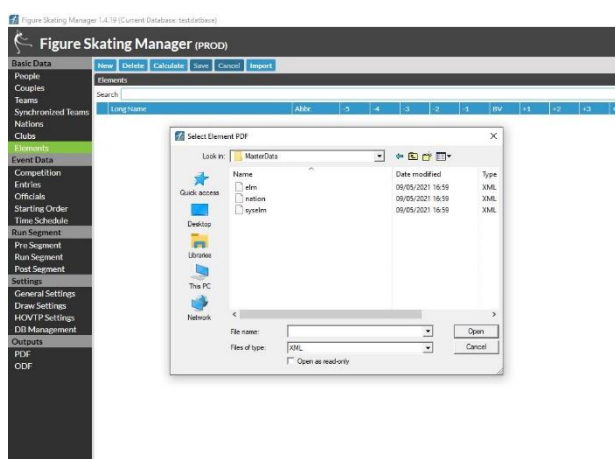
1. Press the arrow next to the Switch button
2. Select the Database you want and press the Button "Switch"
3. The current Database you are working with, you can see on top of the window in () next to the version of the Figure Skating Manager.



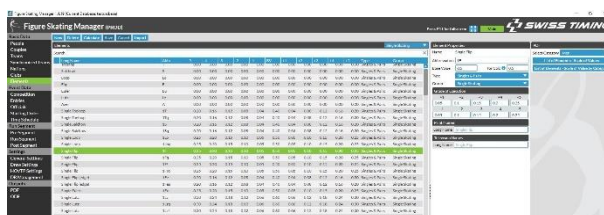
4.3 Import Elements

If you are creating a complete new Database without any information from a previous one, you have to import the element list for Singles&Pairs, IceDance and/or Synchronized Skating. This List you can find in the MasterData folder in your installation path. For example drive D:

D:\SwissTiming\OVR\FSManager\MasterData



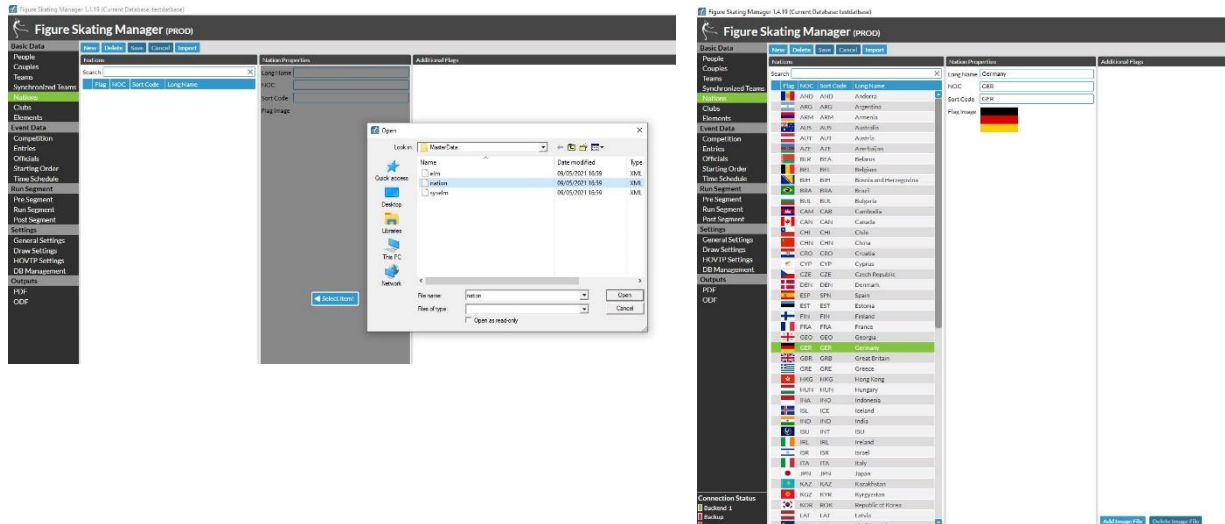
1. Go to Basic Data /Elements and Press the Import Button
2. Choose the Folder above
3. Select the file you want to import and press Open
4. When the Import is done, you can find all the Elements in the List



4.4 Import Nations

If you have imported the Elements, please import also the Nations. The way of this import is similar to the Import of the Elements.

1. Please Go to the Basic Data/Nations and Press Import
2. Select the nations file in the MasterData folder and press open.
3. After the installation is done, you can see a list of nations sorted by Sort Code and also there flags.



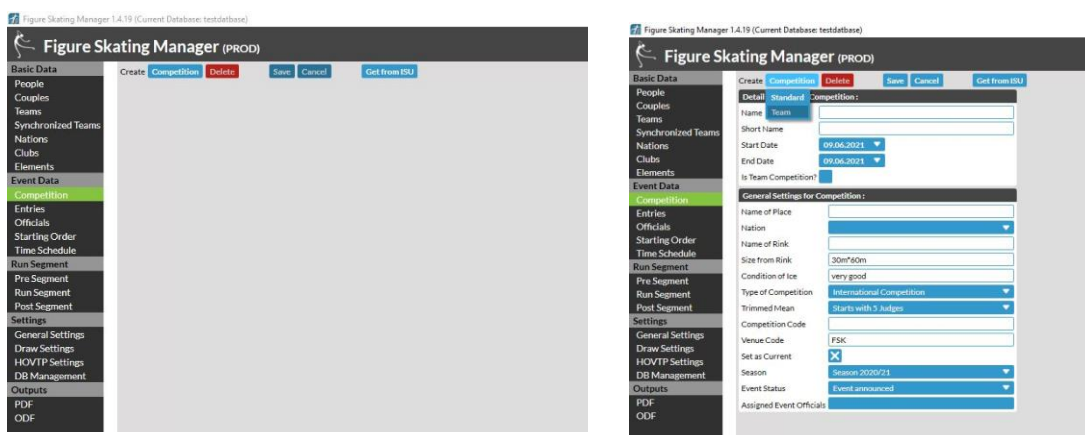
5 CREATE A COMPETITION

5.1 Create an Event

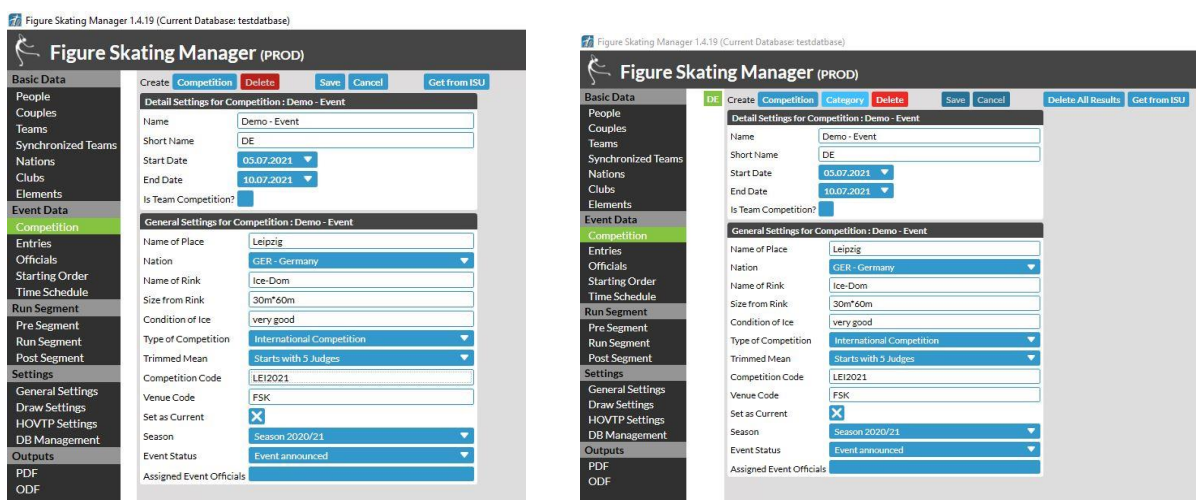
We already created a Database with the basic information like element lists and Nations. The Database is rather empty and now we create our first Competition as follow.

1. Go to Event Data/Competition and Press Competition
2. Select Standard and fill out the empty fields with the relevant information about your Event like Name/Short Name Start and End Date, Type of Competition and so on.
3. If you filled out the empty fields, please press the save button on top, and you will see your event short name coming up like Example 1.

Note: Please use a Competition Short Name, because this name will show up in the Competition tree. If you do not fill out the Short name, the software will use the Name instead and you will lose space for other more relevant infos.

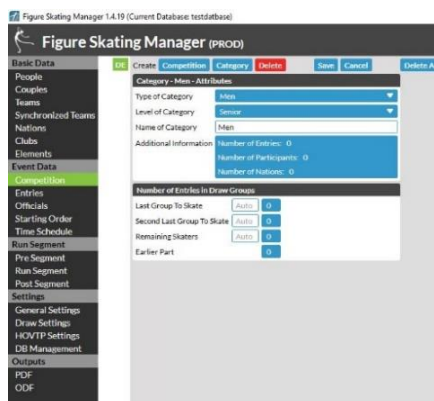


Example 1



5.2 Create a Category

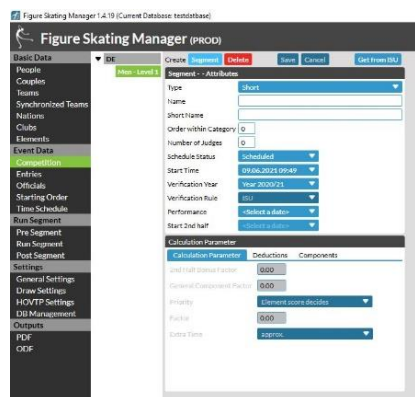
When you created a Competition and you have pressed the Button “Save” a new Button Category will show up at the top



1. Press Category and fill out the information
 - Type of Category
 - Level of Category
 - Name of Category
2. You can also see Additional information on this view like
 - Number of Entries
 - Number of Participants
 - Number of Nations
 - Separate view – Number of entries in Draw Groups
3. After all fields are filled out please press save and the new Category name will appear under your Competition Short Name.

5.3 Create a Segment

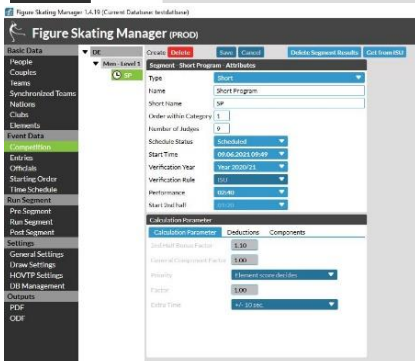
When you created a Category and you have pressed the Button “Save” a new Button Segment will show up at the top



1. Press Segment and fill out the information
 - Type
 - Name / Short Name
 - Number of Judges
 - Start Time
 - Verification Year /Rules
 - Performance (Time)

Note: Schedule Status will change automatically from Scheduled to Running if a segment is started.

Note 2: Start 2nd half field will automatically be filled out with saving the segment data



2. You can also see Additional information on this view like
 - Calculation Parameter
 - Deductions
 - Components
3. After all fields are filled out please press the Button “Save” and the new Segment name will appear under your Category Short Name

5.4 Create a new Person

What would be a Competition without the Skater, Couples and Officials? You can find this information under the rubric Basic Data/People. With the new FS Manager we really have improved the People Management. The new UI is more powerful, you can find people faster and you have a more detailed overview about all the relevant people information on one screen.

We have also improved the import, export functionality which we will explain in another area of this Manual.

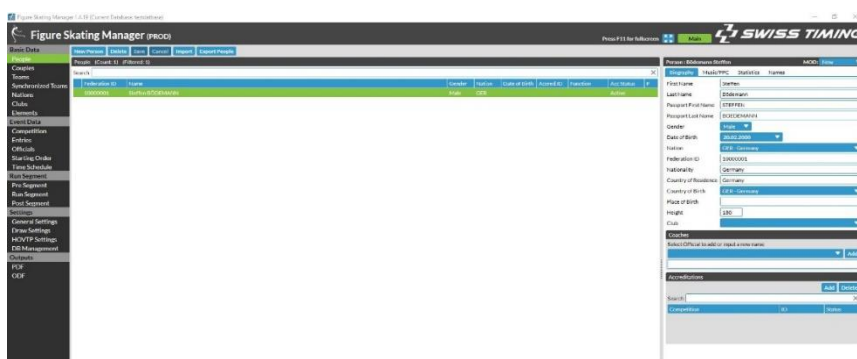
How we can create a new Person?

1. Go to Basic Data/People and press the New Person Button.
2. Go to the right side of the screen and enter all the information you need.
 - First Name / Last Name
 - Passport First Name / Passport Last Name
 - Gender
 - Date of Birth
 - Nation
 - Nationality aso.
3. After all fields are filled out please press the Button "Save"



5.4.1 Add Biography Data

On the right side of this Screen you have 4 Tabs. You can easily switch between them. For adding Biography data you have the Tab Biography.



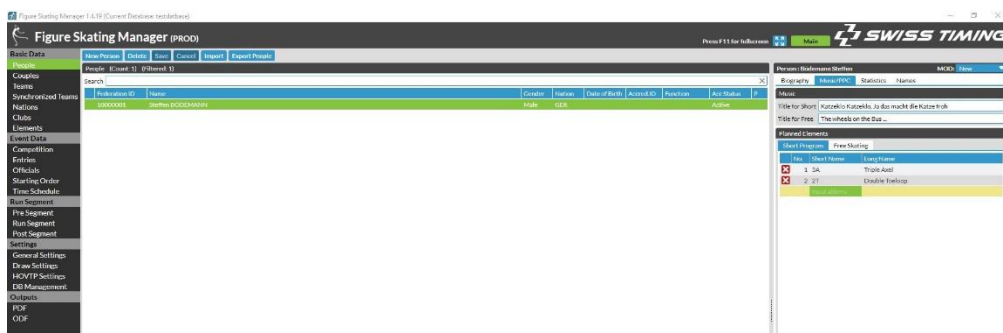
Note: To fill out the field Accreditation ID is mandatory.

Note 2: It is important, that the Accreditation ID is unique for each person.

5.4.2 Add Music / PPC Informations

Another Tab is the Music/PPC Tab.

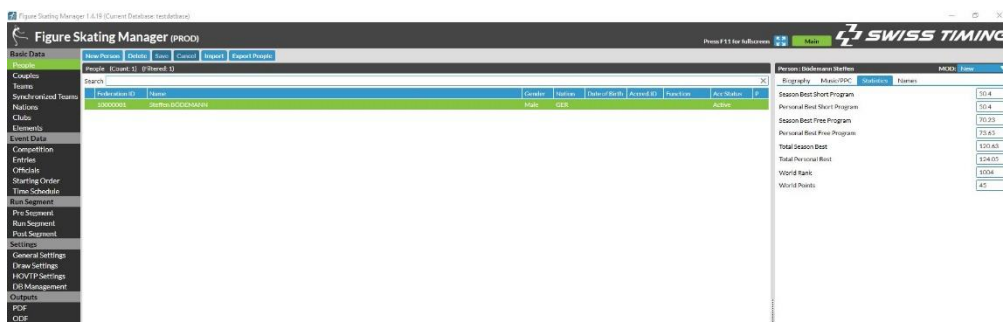
1. Go to the Tab Music/PPC and enter the Music Information for Short and Free Program
2. Go to the section Planned Elements and enter the Element Abbreviation in the field "Input abbrev. – The Long name will automatically filled out. For Example 3A – Triple Axel will be shown as a Long Name
3. In case you want delete an element please press the red cross in front of the element



5.4.3 Add Statistics

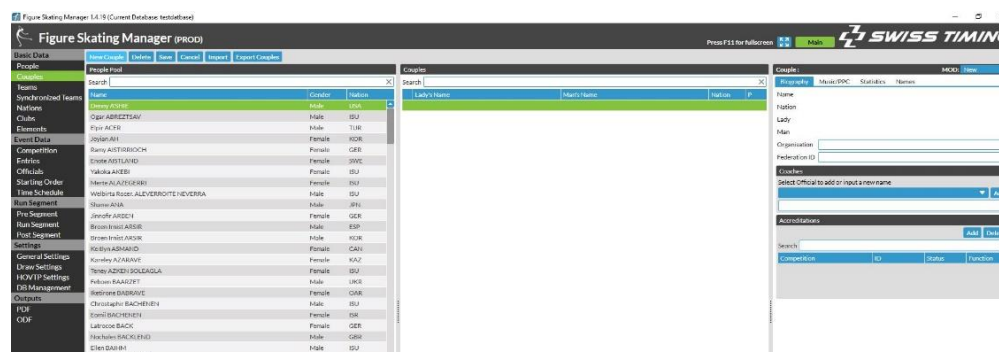
The third tab is the Statistics Tab. Here you can add all the information like

- Season Best
- Personal Best
- World Rank
- World Points

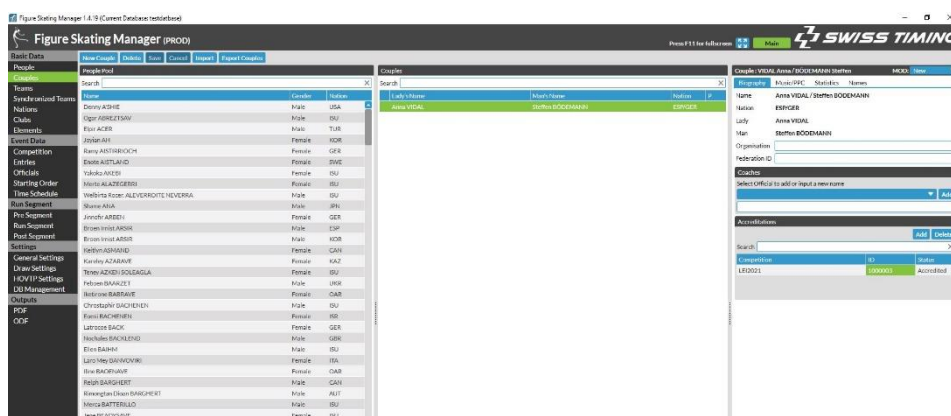


5.5 Create a new Couple

When you have added minimum 1 female and 1 male person you are able to create a new couple.



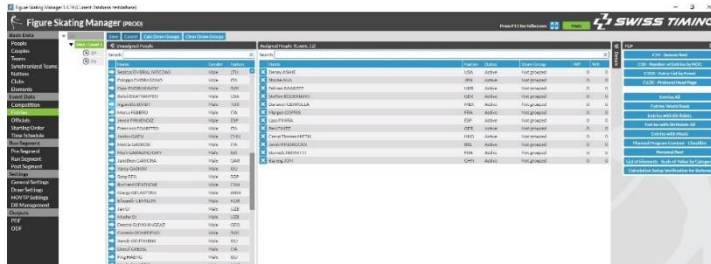
1. Go to Basic Data/Couples and Press New Couple. On the left side you can see a Pool of people you can select to a team. On the right side you can see an empty List with the header title Couples and to Colum's Lady's Name and Man's Name
2. If you click at a female name on the people pool the name will be added to the couple on the right side.
3. If you click at a male name on the people pool side, the name will appear on the Man's Colum
4. Please fill out the additional Information to this couple like



- Organisation
- Accreditation ID
- Music/PPC and
- Statistics

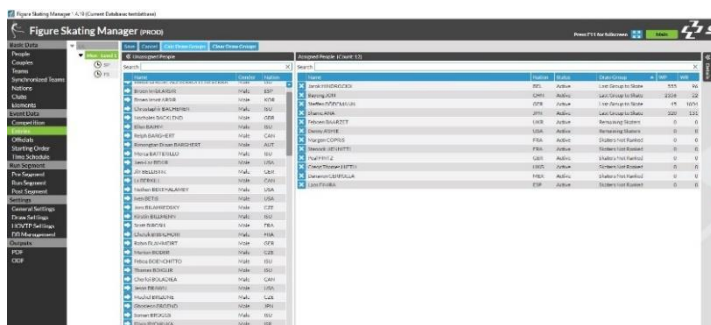
5.6 Entries

Under Point 5.4 we created new People / new persons and now we have to add this people to their Event-Category.



1. Go to Event Data/Entries on the menu and click on the Event tree in the middle Section on the Category you want to add people too.
2. You will see a list of all people you have been already added to the Competition.

Note: If you have added a female person, you will not see her on the list, if you selected a Men's Category.



3. If you press the Arrow in front of the name inside the unassigned People Box, you can assign this person to the Category
4. Please press the Button "Save" at the end
5. If you want unassign a Person please click at the cross in front of the name in the Assigned Section.

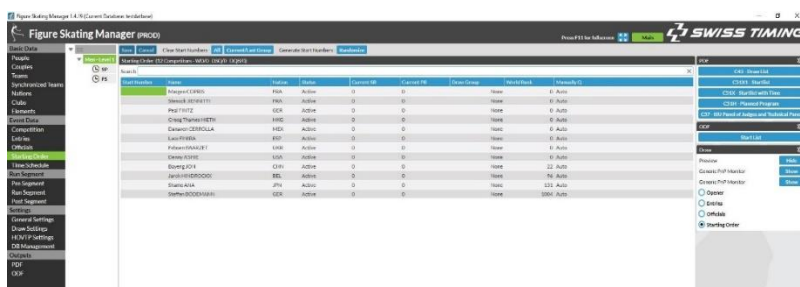
5.7 Starting Order

There are three ways to add the Starting Numbers.

- Generate Start Numbers: Randomize (testing purposes)
- Starting order without Draw Groups
- Starting number with Draw Groups

The starting Order for each Segment you can add as follow.

5.7.1 Draw without Draw Groups

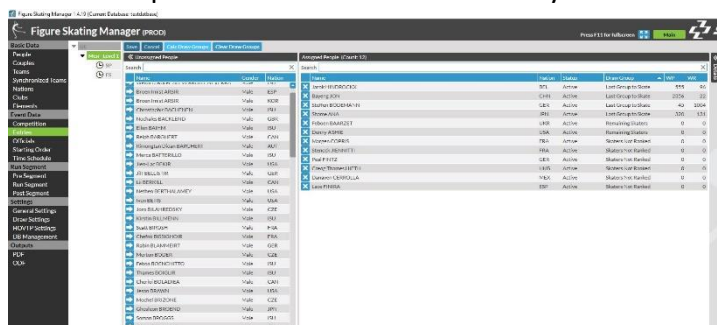


1. Go to Event Data/Starting Order and choose the Segment you want.
2. Go to the first skater, put in the first starting Number and press the Button "Return". The Cursor will jump to the next skater automatically

3. Put in the Starting Number for all Skaters and Press the Button "Save" at the End

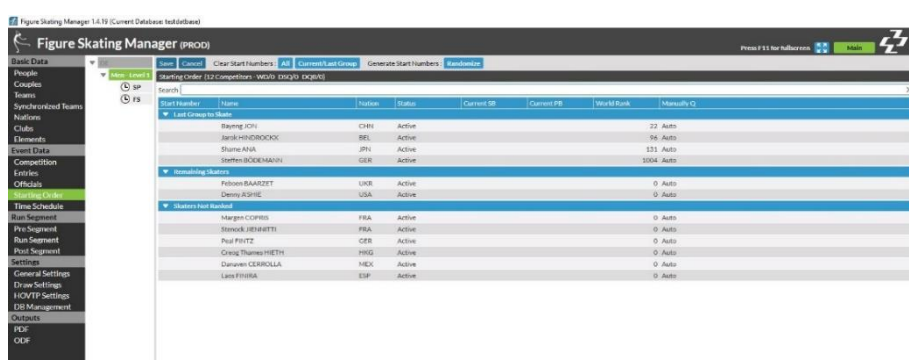
5.7.2 Draw with Draw Groups

Draw Groups will be created automatically in the Entries Menu.



1. Go to Event Data/ Entries and select the Segment you want.
2. Press the Calc Draw Groups Button at the Top.
3. On the Assigned People View you can see the Draw Groups for each Person.

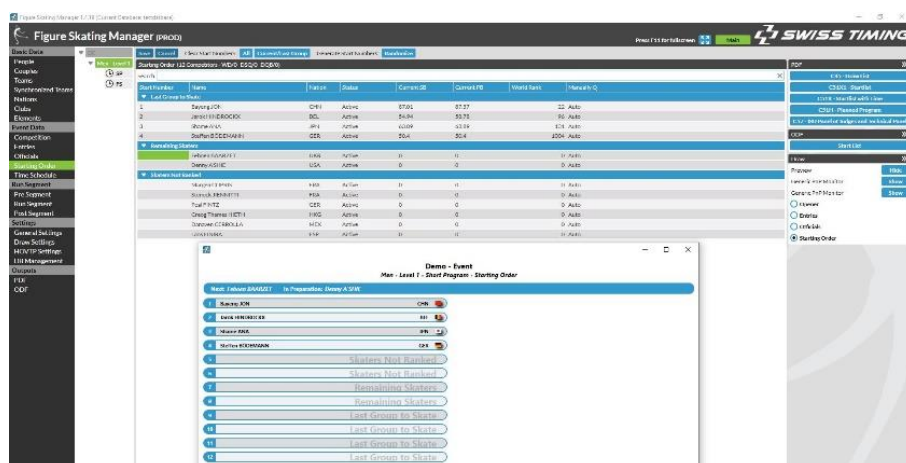
4. Go Back to Event Data/ Starting Order and choose the segment you want



5. You will see the Skaters sorted by Draw Groups.
6. Select the first skater, put in the Starting Number and Press "Return"
7. Follow this procedure until the end and Press the Button "Save"

Tip: If you want to show the Draw on a Video Screen you can use the tools on the right side. As long as an external Monitor is connected, you will see it on the right side as a Generic PnP Monitor. If you press the Button "Show/Hide", you are able to show a new Draw Screen Layout on external Screens. Further Information you can find under Point [7.2](#) Draw Settings. Following Screens can be shown:

- Opener
- Entries
- Officials
- Starting Order



5.8 Officials

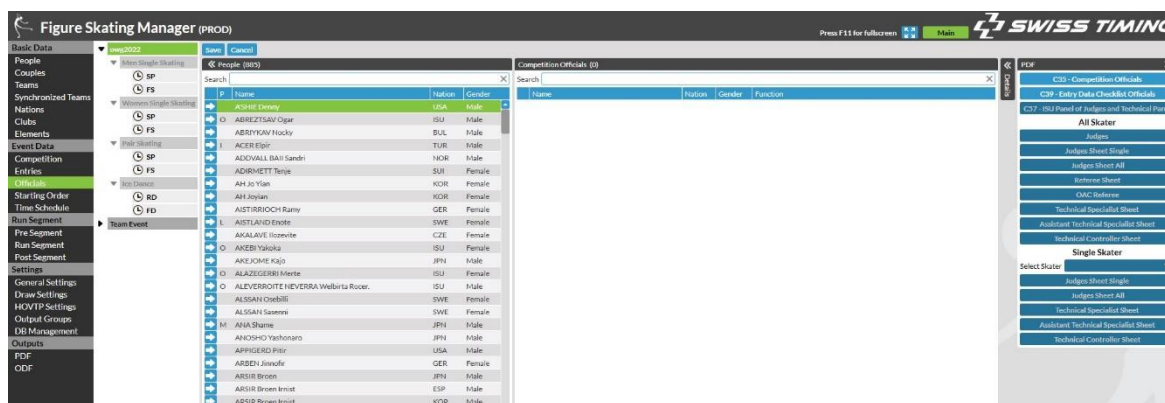
5.8.1 Functions of Officials

Officials can have different functions during a Figure Skating Event. They can work as a Representative during an ISU Championship, or as a Technical Delegate during Olympic Games or they can use on all levels as Technical Specialist, Controller or Judge for example. Here you can find all possible function listed.

- Representative
- Event Delegate
- Technical Delegate
- Technical Controller
- Technical Specialist
- Assistant Technical Specialist
- Referee
- Judge
- Data Operator
- Replay Operator
- Medical Advisor
- Technical Official
- Team Official
- Team Technical Official

5.8.2 Add Officials to the Competition

Before you can add Officials to a Competition you have to have their names added in your database. Under Point 5.4 you can see how you can do that. If you have added the names of the Officials into your database please go to Officials, choose the event inside the event tree and choose the name you want add to the Officials.



People (885)				Competition Officials (1)			
P	Name	Nation	Gender	Name	Nation	Gender	Function
O	A'SHIE Denny	USA	Male	A'SHIE Denny	USA	Male	Judge
O	ABREZTSAV Ogar	ISU	Male				
O	ABRYKAV Nocky	BUL	Male				
I	ACER Elpir	TUR	Male				
I	ADDVALL BAI Sandri	NOR	Male				
I	ADIRMETT Tenje	SUI	Female				
I	AH Jo Yian	KOR	Female				
I	AH Joyian	KOR	Female				
I	AISTIRROCH Rany	GER	Female				
L	AISTLAND Enote	SWE	Female				
O	AKALAVE Ilozevite	CZE	Female				
O	AKEBI Yakoka	ISU	Female				
O	AKESOME Kajo	JPN	Male				
O	ALAZEGERRI Merte	ISU	Female				
O	ALEVERROITE NEVERRA Welbirta Rocer	ISU	Male				
O	ALSSAN Osebilli	SWE	Female				
O	ALSSAN Sapenni	SWE	Female				
M	AHA Shame	JPN	Male				
O	AHOSHO Yashonaro	JPN	Male				
O	APPIGGERD Pisor	USA	Male				

1. Press the arrow on the left side next to the name

2. Every Judge will have

the function "Judge" in the beginning. For changing the function please press on the Function Judge next to the name and a drop down menu will pop up.

3. Please choose the right function and press save.

People (885)				Competition Officials (1)			
P	Name	Nation	Gender	Name	Nation	Gender	Function
O	A'SHIE Denny	USA	Male	A'SHIE Denny	USA	Male	Judge
O	ABREZTSAV Ogar	ISU	Male				Representative
O	ABRYKAV Nocky	BUL	Male				Event Delegate
I	ACER Elpir	TUR	Male				Technical Delegate
I	ADDVALL BAI Sandri	NOR	Male				Technical Controller
I	ADIRMETT Tenje	SUI	Female				Technical Specialist
I	AH Jo Yian	KOR	Female				Assistant Technical Specialist
I	AH Joyian	KOR	Female				Referee
I	AISTIRROCH Rany	GER	Female				Judge
L	AISTLAND Enote	SWE	Female				Officials Assessment Commission
O	AKALAVE Ilozevite	CZE	Female				Data Operator
O	AKEBI Yakoka	ISU	Female				Replay Operator
O	AKESOME Kajo	JPN	Male				Medical Advisor
O	ALAZEGERRI Merte	ISU	Female				Technical Official
O	ALEVERROITE NEVERRA Welbirta Rocer	ISU	Male				

People (885)				Competition Officials (9)			
P	Name	Nation	Gender	Name	Nation	Gender	Function
I	BIRTAN Stifeno	USA	Female	A'SHIE Denny	USA	Male	Technical Controller
M	BISSIGHOIR Chefok	FRA	Male	ADIRMETT Tenje	SUI	Female	Technical Specialist
I	BISSIGHOIR Chefok	FRA	Male	AKEBI Yakoka	ISU	Female	Assistant Technical Specialist
P	BLAMMEIRT Rabin	GER	Male	ALEVERROITE NEVERRA Welbirta Rocer	ISU	Male	Referee
P	BODER Merton	CZE	Male	AZKEN SOLEAGLA Teney	ISU	Female	Judge
I	BOELKAWSKE Iwe	POL	Female	BELCZANI Ketelon	ISU	Female	Judge
I	BOENCANO Frence	SUI	Female	BILLMENN Kirstin	ISU	Male	Judge
I	BOENCANO Frence	ITA	Female	BOENCHITTO Feboa	ISU	Male	Judge
I	BOENCANO Frence Enne	HUN	Female	BROGGS Soman	ISU	Male	Judge
O	BOENCHITTO Feboa	ISU	Male				
O	BOICHLIR Jaloe	USA	Female				
O	BOIGLIR Thames	ISU	Male				
P	BOLADIEA Cherloi	CAN	Male				
I	BOVIR Pitir	POL	Male				

After all Officials have the correct function you are ready to add them to the right Segment/Category and to give them the right seating order.

5.8.3 Add Judges to Segment

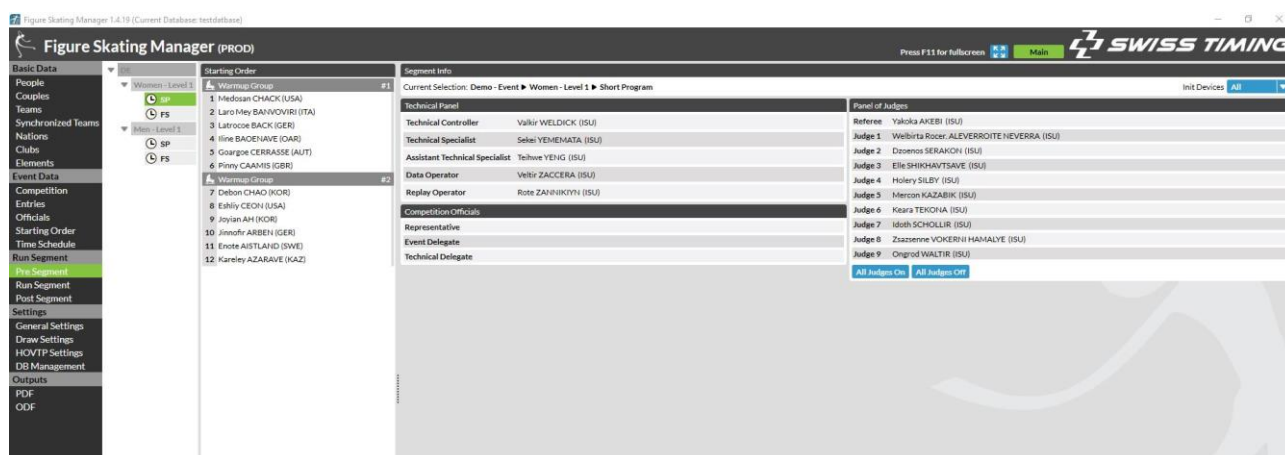
6 RUN SEGMENT

The new FS Manager has a complete redesigned Run Segment View to minimize the Risk of User Errors and to maximize the User Experience. The Run Segment is now separated in a View before the Competitions starts to present the Judges Officials, a View during the performances for a better operating experience and a View for the Post Segment Printouts and procedures.

6.1 Pre Segment

Before the Segment Starts there are usually Judges Presentations or Presentations of the Technical Panel. This Screen allows you to operate this, in case a TV Graphic or Scoreboard is connected and the feature is enabled. If you have no Outputs connected, this Screen gives you an Overview about the Judges names and also the Technical Panel to Double check if all the Informations are correct.

You are also able to see the Skaters Starting Order including the Warmup Groups as well as the Ice Resurfacings.

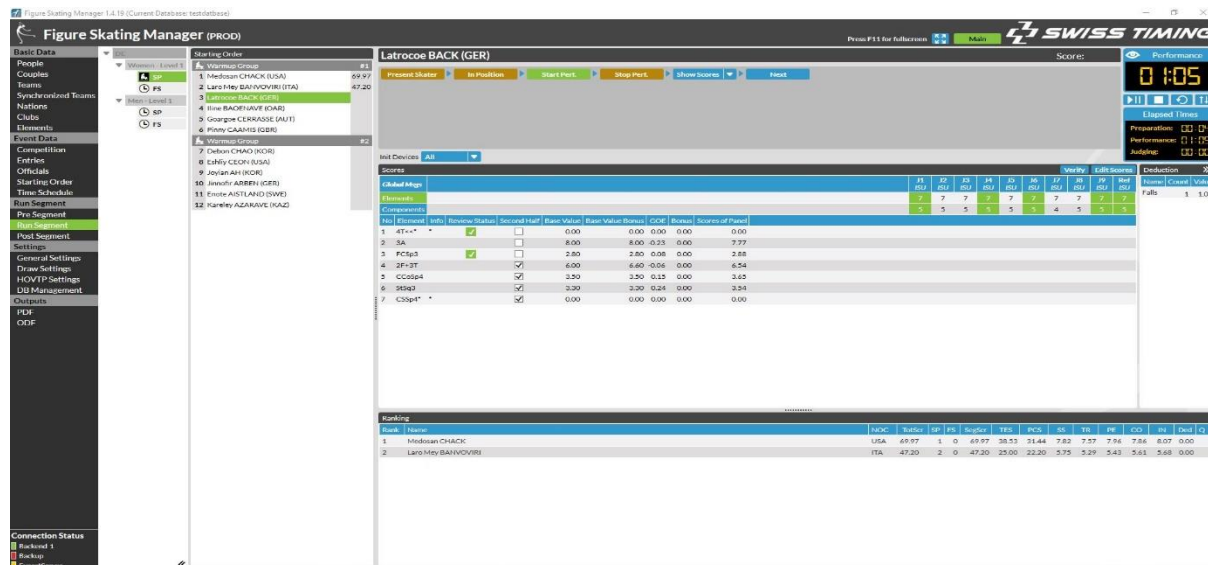


Additional to the Information you can see on this Screen, you are also able to:

- Lock all the Judges Screens - All Judges Off
- Unlock all the Judges Screens – All Judges On
- Send the initial data to your Scoring System – Init. Devices (top right)

6.2 Run Segment

The Run Segment Screen is your new operating Screen and is structured as follows:



6.2.1 Left Section - Starting Order

Starting Order		
Warmup Group #1		
1	Medosan CHACK (USA)	69.97
2	Laro Mey BANVOVIRI (ITA)	47.20
3	Latrocoe BACK (GER)	46.40
4	Iline BAOENAVE (OAR)	
5	Goargoe CERRASSE (AUT)	
6	Pinny CAAMIS (GBR)	
Warmup Group #2		
7	Debon CHAO (KOR)	
8	Eshliy CEON (USA)	
9	Joyian AH (KOR)	
10	Jinnofir ARBEN (GER)	
11	Enote AISTLAND (SWE)	
12	Kareley AZARAVE (KAZ)	

- you can see the Starting Order
- you can see Warm-Up Groups and Ice Resurfacing
- You can give a skater another status with right click on his/her name (Withdrawn)

6.2.2 Middle Section - Calculation Operations

- The FS Manager will guide you through following actions (Present Skater, In Position, Start Performance, Stop Performance, go to the next). This guide we call State Machine and will help you to minimize the error to press wrong Buttons at the wrong time.



- you can calculate the Scores (Show Scores)

- you can reset a Score (click at the arrow next to Button “Show Scores”)
- you can Initialize the scoring system (init Devices in case, some of your Judges Panels need the Information again after a Restart)

Scores										Verify								Edit scores		Deduction			
Global Mags										J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref	Name	Coast	Value	
Elements										ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU				
										7	7	7	7	7	7	7	7	7	7				
Components										5	5	5	5	5	5	5	5	5	5				
No	Element	Info	Review Status	Second Half	Base Value	Base Value Bonus	GDE	Bonus	Scores of Panel														
1	4T<<* *		<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.00		0.00	0.00	0.00														
2	3A		<input type="checkbox"/>	<input type="checkbox"/>	8.00		8.00	-0.23	0.00	7.77													
3	FCSp3		<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.80		2.80	0.08	0.00	2.88													
4	2F+3T		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6.00		6.60	-0.12	0.00	6.48													
5	CCoSp4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.30		3.30	0.15	0.00	3.65													
6	StSq3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.30		3.30	0.24	0.00	3.54													
7	CSSp4* *		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.00		0.00	0.00	0.00	0.00													

- You can see the actions of the Judges and Technical Panel (sent Marks, Deductions, Elements)

- You can send Information's to each judges with right Click on the Judges Nr. like (Hurry Up, Check Elements, Check Components, Reset Help Request, Lock Judge and Unlock Judge)
- You can see the current Ranking with all skater related Scores. You can edit Scores

Ranking														
Rank	Name	NOC	TotScr	SP	FS	SegScr	TES	PCS	SS	TR	PE	CO	IN	Ded
1	Medosan CHACK	USA	69.97	1	0	69.97	38.53	31.44	7.82	7.57	7.96	7.86	8.07	0.00
2	Laro Mey BANOVIRI	ITA	47.20	2	0	47.20	25.00	22.20	5.75	5.29	5.43	5.61	5.68	0.00

- You can edit Scores if you:

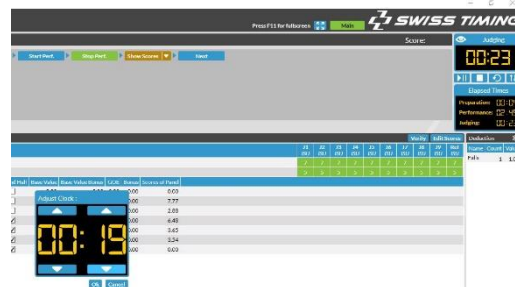
Scores										Add Elements		Save	Close Edit	Deduction										
Global Mags										J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref	Name	Count	Value		
Elements										ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU					
Components										5	5	5	5	5	5	5	5	5	5					
Elements	Judge Scores																							
Executed Element		Long Name			Info	Time	2nd Half	Base Value																
4T<<*	Non valid Elm.			*	00:27	<input type="checkbox"/>	0.00																	
3A	Triple Axel				00:59	<input type="checkbox"/>	8.00																	
FCSp3	Fly. Camel Spin 3				01:08	<input type="checkbox"/>	2.80																	
2F+3T	Double Flip + Triple Toeloop				01:39	<input checked="" type="checkbox"/>	6.00																	
CCoSp4	Change Foot Combination Spin 4				01:50	<input checked="" type="checkbox"/>	3.50																	
StSq3	Step Sequence 3				02:04	<input checked="" type="checkbox"/>	3.30																	
CSSp4*	Non valid Elm.			*	02:46	<input checked="" type="checkbox"/>	0.00																	
																						Name	Count	Value
																						Time violation		0.00
																						Illegal element/movement		0.00
																						Interruption in excess		0.00
																						Falls	1	1.00
																						Late start		0.00
																						Costume failure		0.00
																						Interruption with allowance		0.00
																						Name	Count	Value
																						Costume/Prop violation	0	0.00

1. Click Edit Scores
2. Select an Element and change it or Select a Time and change it.
3. If you want change or Put in the judges Scores Manually Click on the Tab “Judges Scores” next to the Element Tab.
4. Change or Put in the Mark and Press save
5. Click “Close Edit”

Scores										Add Elements					Save	Close Edit	Deduction		
Global Judge										J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref
J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref	ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU	ISU
J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref	5	5	5	5	5	5	5	5	5	5
Elements										Judge Score		Time		Count	Value				
No	Element	Info	Review Status	Second Half	Base Value	Base Value Bonus	GDE	Bonus	Scores of Panel										
1	4T+*	Non valid Elm.	<input type="checkbox"/>		0.00														
2	3A	Triple Axel	<input type="checkbox"/>		8.00														
3	FCSp3	Fly. Camel Spin 3	<input type="checkbox"/>		2.80														
4	2F+3T	Double Flip + Triple Toeloop	<input checked="" type="checkbox"/>		6.00														
5	CCoSp4	Change Foot Combination Spin 4	<input checked="" type="checkbox"/>		3.30														
6	StSq3	Step Sequence 3	<input checked="" type="checkbox"/>		3.30														
7	CSSp4*	Non valid Elm.	<input type="checkbox"/>		0.00														
Skating Skills										6.25	6.25	5.75	5.75	6.00	5.25	6.50	5.75	5.75	5.75
Transitions										6.00	5.75	5.50	5.25	6.25	6.00	6.00	5.25	5.50	5.25
Performance										6.25	6.25	5.75	5.50	5.25	4.75	6.25	5.50	5.50	4.75
Composition										6.25	6.25	5.75	5.50	5.25	5.50	6.25	5.50	6.00	6.00
Interpretation of the Music										6.50	6.25	5.75	5.75	6.00	4.75	6.50	5.25	6.00	6.00
Impact & Deduction										J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref

6.2.3 Right Section - Clock

The Clock is more present in our FS Manager. On the right top side you can see the Status of the Time and Buttons to operate the Clock. Additionally you have an Overview about the different Clocks of the skater. Preparation-, Performance- and Judging Time. These times will be saved during the Competition. In case you have to check the Preparation or Performance Time afterwards, you are able to do it. The Judges Time is more an Information you could use to coordinate the Speed of a Competition.



Note: The Time will start automatically if you press present Skater or Start Performance.



- Start Time / Pause Time



- Stop Time



- Resets the Time



- Adjust the Time →



6.3 Post Segment

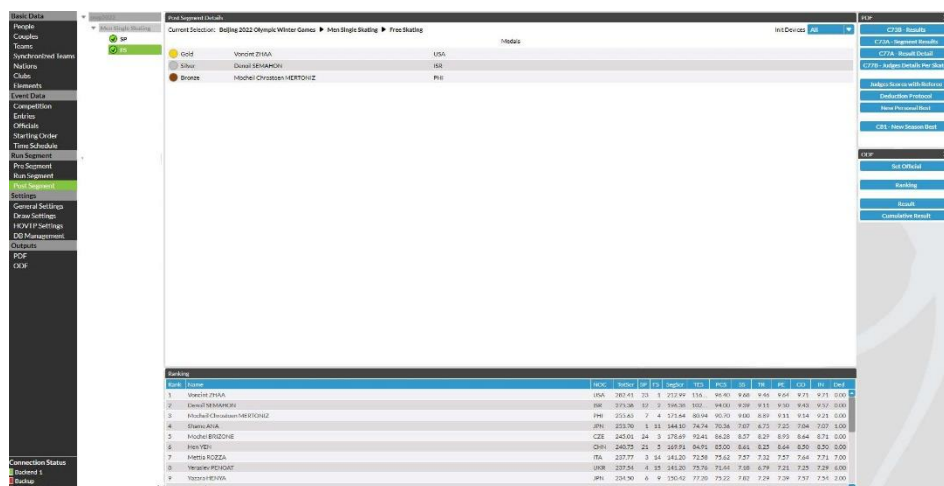
When a Segment is done, the FS Manager navigate you automatically to the Post Segment View. There you can see an overview about the Segment Results and also the Medallists after the Free Program. On the right side you have direct access to all relevant Printing Reports after a segment and also the possibility to send ODF Messages to your clients like TV or Scoreboard

Pdf Messages:

- Results
- Segment Results
- Result Details
- Judges Details
- New Season / Personal Bests

ODF Messages:

- Set Official
- Ranking
- Result
- Cumulative Result

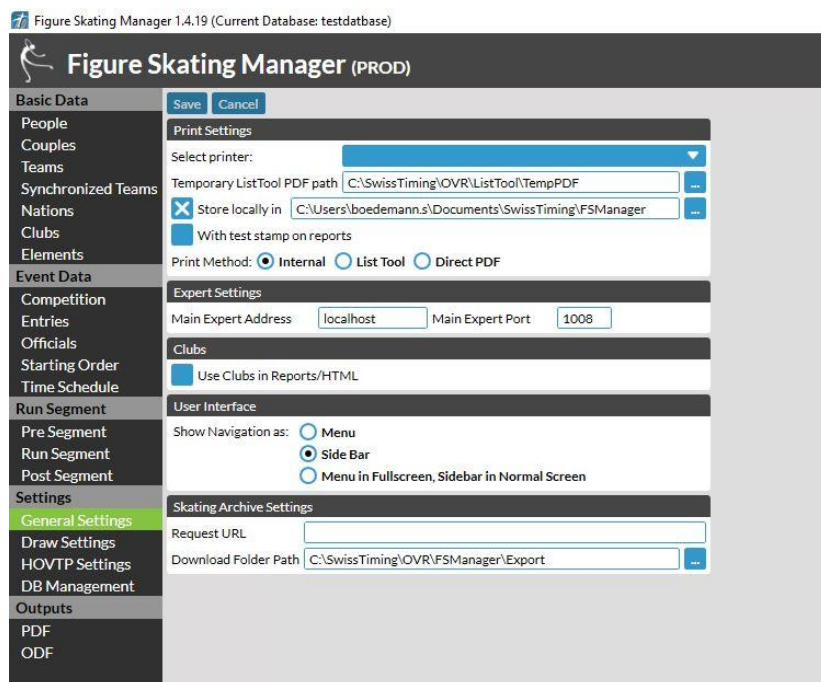


Rank	Name	Prep	Perf	Judge	Total	Prep	Perf	Judge	Total
1	Wendell DINA	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
2	Daniel SEMAKOV	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
3	Michael BRIDGHE	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
4	Michael BRIDGHE	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
5	Michael BRIDGHE	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
6	Michael BRIDGHE	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
7	Michael BRIDGHE	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
8	Michael BRIDGHE	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
9	Michael BRIDGHE	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
10	Michael BRIDGHE	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00

7 SETTINGS

All Settings regarding the Outputs, Connections, extra Features are located in this Section of the FS Manager. If you have no extra Features enabled, you will only see the basic settings here and you can have your focus on what you need. The more features you have enabled, the more settings will come up.

7.1 General Settings



7.2 Draw Settings

In this Section you can set up your Draw. You can choose, if the Draw is an Open Draw and the ISU World Standing will not be used for the Draw Order or you can choose, that it is not an Open Draw.

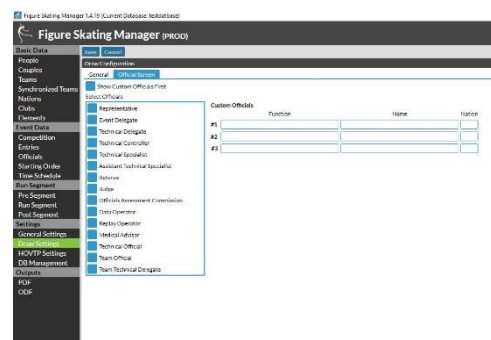


Tab General

- Open Draw or not

Tab Official Screen

- Officials which should be shown on the external Draw Screen.



Under Tab Official Screen you can select the Officials, you would like to show during a Draw on an external Monitor. You also have the option to put in 3 Custom Officials with other Positions as free text.

7.3 HOVTP Settings

7.3.1 HOVTP Protocol description

While the protocol hereby defined, HOVTP, is inspired by OVTP and preserves some of its principles, it depends from it in some major and minor aspects.

- First and foremost, the biggest difference is that the new protocol is layered on top of HTTP. HTTP was chosen as it is standardized, widespread, text-based, flexible and doesn't require any non-trivial firewall configuration. All these points were part of the requirements. Furthermore, adopting it allows taking advantage of all the existing implementations, both on client and server sides. In addition, encryption and authentication are already part of HTTP, should it be needed in a future revision of HOVTP.
- The headers found in OVTP that belongs at the transport-level (i.e. not specific to ODF) were kept and adapted as HTTP headers. However additional headers specific to the data were not included directly. They must be defined as additional prefixed HTTP headers in the specification of the data type.
- The Keep-alive mechanism is part of the protocol; it is not a service built on top.
- The protocol was made independent of ODF. Transport of ODF messages is treated like any other format of data would.
- The environment is included in all responses. This ensures that the environment of the receiver is always known by the sender
- The error reporting was enhanced by allowing a description of the cause of the error.

7.3.2 Connections

A connection consists of a sender; the source of the data, a receiver; the destination of the data. At the level of HTTP, the sender acts as a client and establishes the connection; the receiver acts as a server and listens for incoming connections.

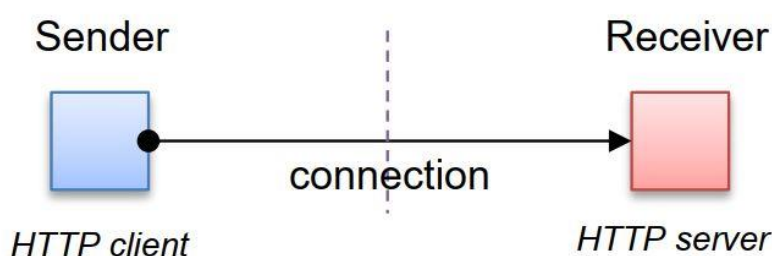


Figure 1 - Sender and receiver convention in relation to HTTP

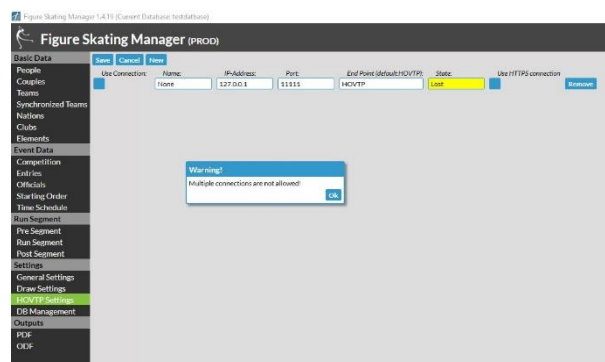
The sender generates the requests and receiver processes them and generates the responses; the HTTP request body being the transported data.

An HOVTP connection is not directly tied a single underlying TCP/IP connection. All requests must be treated independently whether they were received on different TCP/IP connections or on the same (using HTTP/1.1 persistent connections). It is however recommended to use persistent connections to optimize the throughput.

What the OSIS Connection was for the ISUCalcFS, is the HOVTP for the FS Manager. For Federation it is allowed to have 1 HOVTP connection. In case you need more than one connection, please contact ST Sportservice. Such Connections could be Scoreboard or TV Output.

Note: If you plan to use one of these outputs for your Events, please let us now and we can provide to you the HOVTP Specifications and also the ODF2 Figure Skating Data Dictionary.

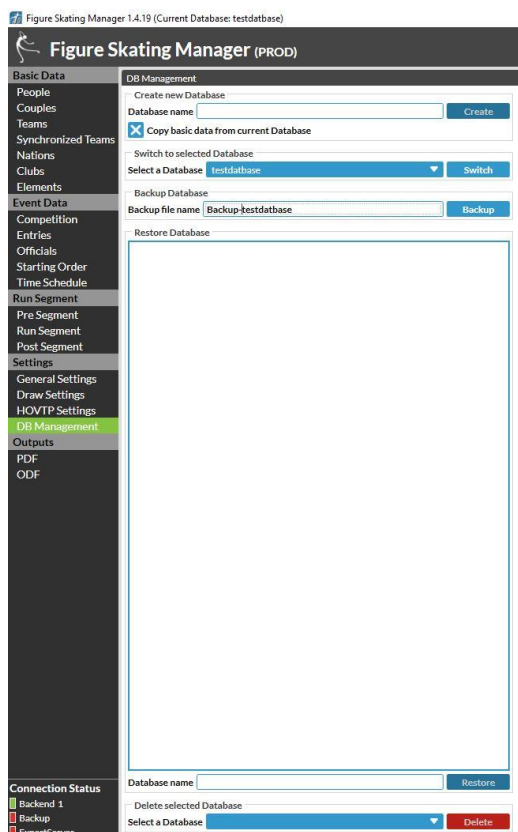
1. Go to Settings / HOVTP Settings
2. Click the Button “New”
3. Enter the Name, IP-Address, the Port and the Endpoint and press “save”
4. In case you want use this connection please click into the checkbox in front.
5. The state shows you, when you lost the connection in (Yellow) or in (green) in case you are connected to the client.



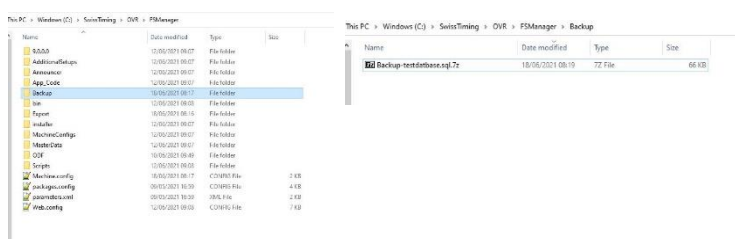
8 DB MANAGEMENT

8.1.1 Backup Database

With this option the user can create a backup-files of an instance of the database. E.g. to send the database to another user or to store them on another computer.



1. Go to Setting / DB Management
2. Enter the Backup file name and Click “Backup”
3. If the Backup was successful a Message will come Up “Succesfully backedup”
4. The Backupfile is stored under C:\SwissTiming\OVR\FManager\Backup as a .7z file.



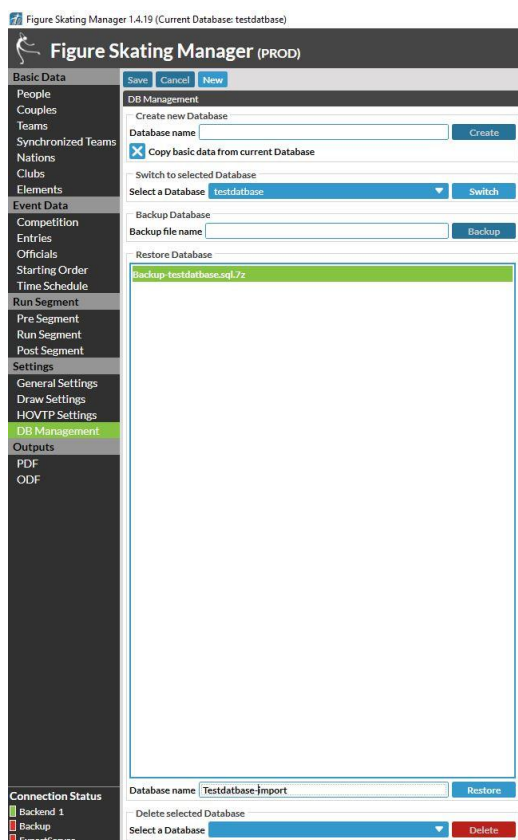
Note: Please do not unzip the file. For the import you will need the .7z file.

8.1.2 Restore current Database

Note: Before you can restore a Database you have to get sure, that the backup.7z file is located in your Backup folder

This PC > Windows (C:) > SwissTiming > DVR > FSManager > Backup

Name	Date modified	Type	Size
Backup-testdatabase.sql.7z	18/06/2021 08:19	72 File	66 KB



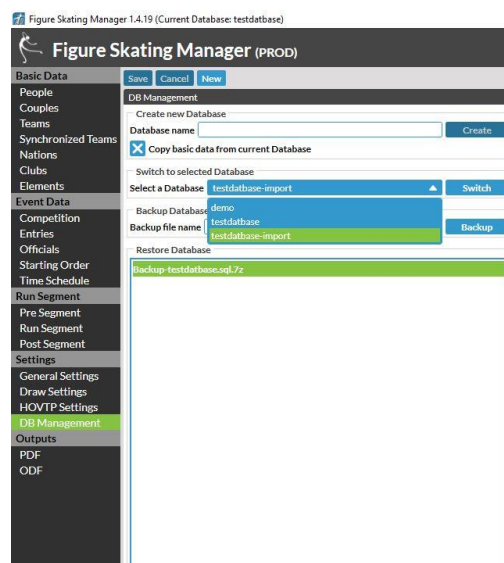
1. Go to Settings/DB Management. All available backup-files are listed here.
2. Select a file
3. On the bottom you can find the field Database name. Enter the database name you want and Click the “Restore” Button next to it.
4. Now the FS Manager is checking if there is already a Database with the same name. If so, you get a message that there is a Database with the same name and you have to change it.
5. If the Database Name is unique, a Message comes up and ask again if the name is correct.
6. Click “OK” and the restore will start
7. If the restore is done you can find your new restored Database in your Dropdown Menu
8. Please choose your Database and switch to this one. More Details under Point 4.2



Tip: Backups are very Important and should be done on a regularly basis during an Event. In case you have trouble during an Event and you need help from ST Sportservice, please always attach the Database to your help request.

8.1.3 Delete selected Database

From time to time it can be useful to delete some Databases, but please get sure, that you do not need them anymore, or that you have a Backup file somewhere. In any case, please think twice 😊 before you click the Delete Button.



Note: The current Database cannot be deleted. This is an extra security to get sure, that you never delete the Database where you are working on.

1. Go to Settings / DB Management
2. On the Bottom please select a Database in the Dropdown Menu “Select a Database”.
3. Think Twice if this is the right one?
4. Click “Delete”

9 EXPORT / IMPORT DATA

There are many ways to share Data between different FS Manager Users. This makes it possible to work with different people at the same Event. One is preparing the PPC of the skaters, the other one is working on the Bios Data. If this is happen at the same time, to share Backup Files is not possible, because you would overwrite the Information from the other person. Therefore the FS Manager has integrated an Import / Export functionality of single Data files.

9.1 Export

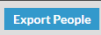
Before we can Import a file we have to export it. Please follow the instructions below to get sure the export will be done successfully.

Note: An Export file includes all the information. You have not to choose what you would like to export. During the Import Process you can choose, what you would like to import.


9.1.1 Export folder

The Export folder will be created with the first Information you have exported and you can find it here: C:\SwissTiming\OVR\FSManager\Export\“your Database name”\ODF

9.1.2 Export People (with Planned Elements, Music, Coach)

1. Go to Basic / Data People -> press
2. Export file is called  DT_PARTIC.xml
3. In this file are biography data of single skaters or officials, as well as event specific data like
 - Season best and personal best
 - World rank and world points
 - Planned elements
 - Music
 - Coach information

9.1.3 Export Couples (with Planned Elements, Music, Coach)

1. Go to Basic Data / People -> press 
2. Export file is called DT_PARTIC_TEAM.xml
3. In this file are data from couples saved like
 - Season best and personal best
 - World rank and world points
 - Planned elements
 - Music
 - Coach information


9.2 Import

Note: If a file will be imported, the information you would like to import will overwrite the information in your Database.

9.2.1 Import People

Information about people are saved in a file called DT_PARTIC.xml.

C:\SwissTiming\OVR\FsManager\Export\EVENTFOLDER\ODF. In this file are data of officials and single skating athletes stored.

1. Go to Basic Data / People and Press 
2. Select the information you want to import



a.) Initial Download (complete)
All available information should be imported.

b.) Initial Download (complete, add PPC, Music, Coach if empty) This import is similar to the first one, BUT to avoid, to overwrite existing PPC, Music and Coach information, they will only be added if empty.

c.) Skating Archive ... (needed for ISU Events)

d.) Skating Archive ... (needed for ISU Events)

e.) Only Planned Elements PPC

This option should be used if only planned elements should be imported/updated for all single skating athletes

f.) Only Music

This option should be used if only music should be imported/updated for all single skating athletes


g.) Only Coach This option should be used if only coach information should be imported/updated for all single skating athletes

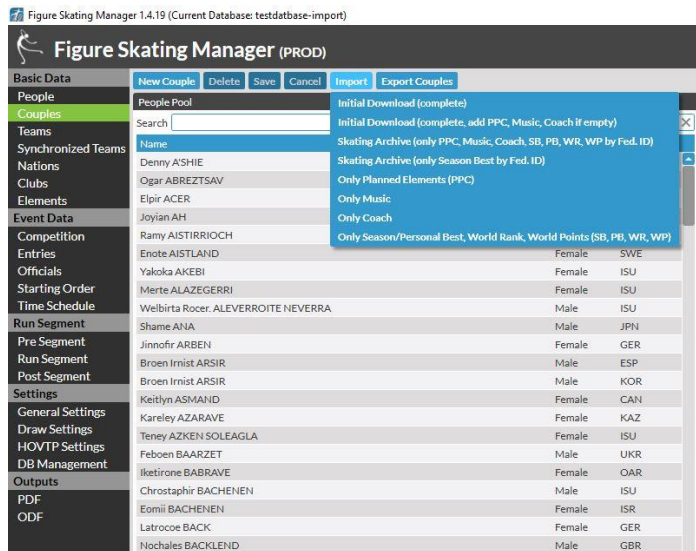
h.) Only season/Personal Best ...

This option should be used if only SB/PB, World Rank, World Points should be imported/updated for all single skating athletes

9.2.2 Import Couples

Information about couples (pairs an ice dance) are stored in a file called DT_PARTIC_TEAM.xml. C:\SwissTiming\OVR\FSTManager\Export\EVENTFOLDER/ODF. In this file are data of Couples stored.

1. Go to Basic Data / Couple and press 
2. Select the information you want to import



a.) Initial Download (complete)
All available information should be imported.

b.) Initial Download (complete, add PPC, Music, Coach if empty) This import is similar to the first one, BUT to avoid, to overwrite existing PPC, Music and Coach information, they will only be added if empty.

c.) Skating Archive ... (needed for ISU Events)

d.) Skating Archive ... (needed for ISU Events)

e.) Only Planned Elements PPC

This option should be used if only planned elements should be imported/updated for all Couples

f.) Only Music

This option should be used if only music should be imported/updated for all Couples

g.) Only Coach This option should be used if only coach information should be imported/updated for all Couples

h.) Only season/Personal Best ...

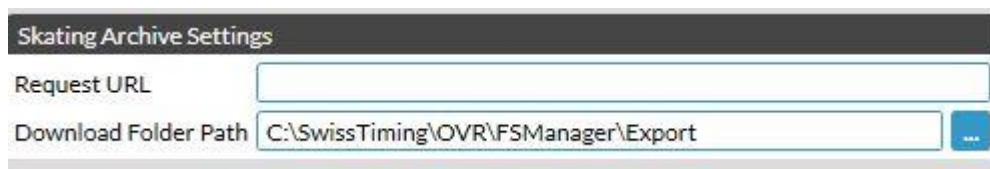
This option should be used if only SB/PB, World Rank, World Points should be imported/updated for all Couples

9.3 Skating Archive / ORS

For ISU Events it will be helpful to get the event related information (Schedule, Skaters, Coaches, PPC ...) direct from the Online Registration system (ORS). To be able to get Data from there, you have to set-up the Connection under Settings / General Settings.

9.3.1 Connection to the ORS

1. Go to Settings / General Settings
2. Put in the Request URL (will be provided by ISU or ST Sportservice)
3. Set –Up the Download Folder Path in case its empty



Request URL:

Connection to the Skating Archive

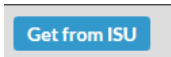
Download Folder Path:

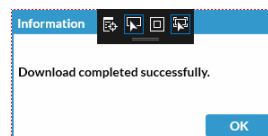
Path where the downloaded files should be saved.

9.3.2 Get Data from ORS

1. Create a new Competition under menu Event Data / Competition and set a competition Code

Competition Code

gpusa2018
2. Press Button Get from ISU 
3. If the download was successfully the message appear:



9.3.3 Import Timeschedule

Information about the Eventschedule are saved in a file called DT_PARTIC.xml. C:\SwissTiming\OVR\FSTManager\Export\EVENTFOLDER\ODF. In this file are also stored data of officials and single skating athletes.

1. Go to Event Data / Time schedule and click 

Note: The Import of the Time schedule should be done at first, because this builds the structure of the event. It creates automatically Categories and Segments out of the information from the ORS system.

2. Go to Basic Data / People and and click 

When the basic structure is built, the import of the People will add the Skaters to their Categories

3. Go to Basic Data / Couples and click 

When the basic structure is built, the import of the Couples will add them either to Pairs or to the Ice Dance Category.

10 OUTPUTS

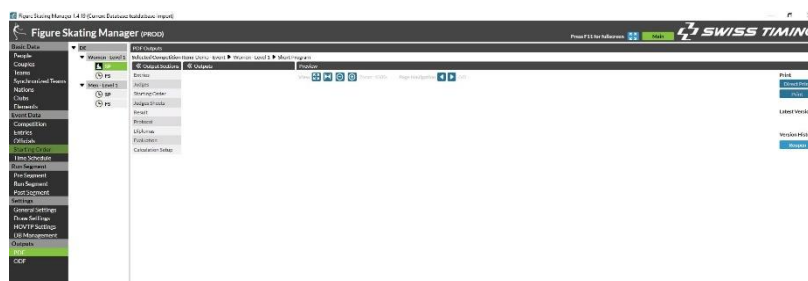
In the new FS Manager you have 2 Options to create PDF or ODF Messages. The first one is located on the right side of the FS Manager when needed. Please find below 3 examples:

1. You would like to Print an Element list - Go to Basic Data / Elements and you will find a menu on the right side, where you can print out the List of Elements
2. If you would like to Print Entry related Lists – Go to Event Data / Entries and you will find all the Lists there.
3. If the Segment is done and you need Result Lists – Go to Run Segment / Post Segment and you will see all Segment related Lists there.

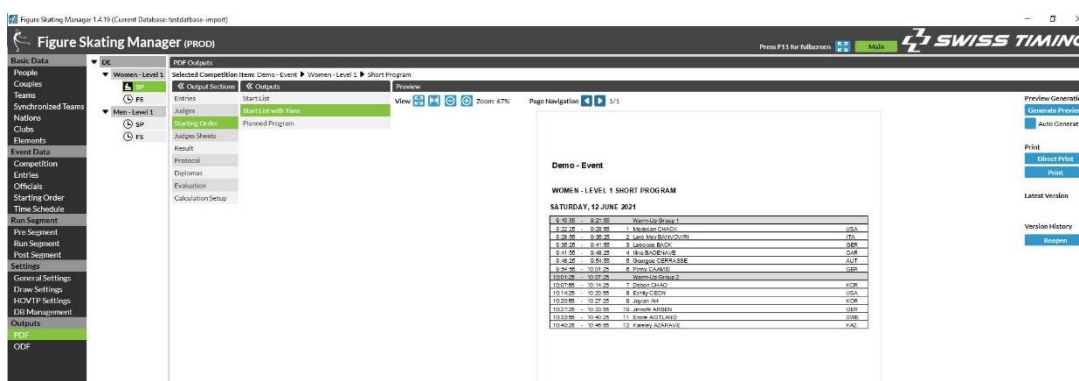
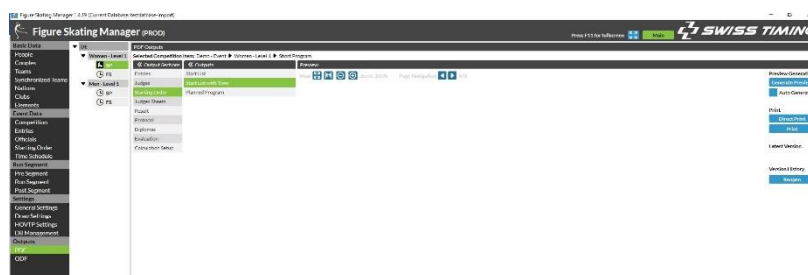
10.1 PDF

For all User, which are more interested in having a complete overview about all the possible Outputs, there is Option two.

1. Go to Outputs / PDF



2. Click on the Category or Segment where you would like to create a PDF.
3. Click on a Output Section
4. Choose the Output
5. Click on Generate Preview on the right top
6. Click Print

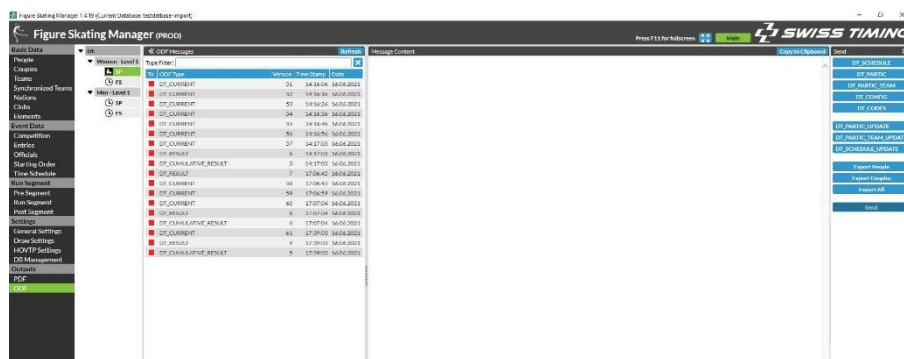


Note: As soon as you Click generate Preview, the list will be saved in the Export folder
C:\SwissTiming\OVR\FsManager\Export\EVENTFOLDER\PDF\SEGMENTFOLDER\Short Program

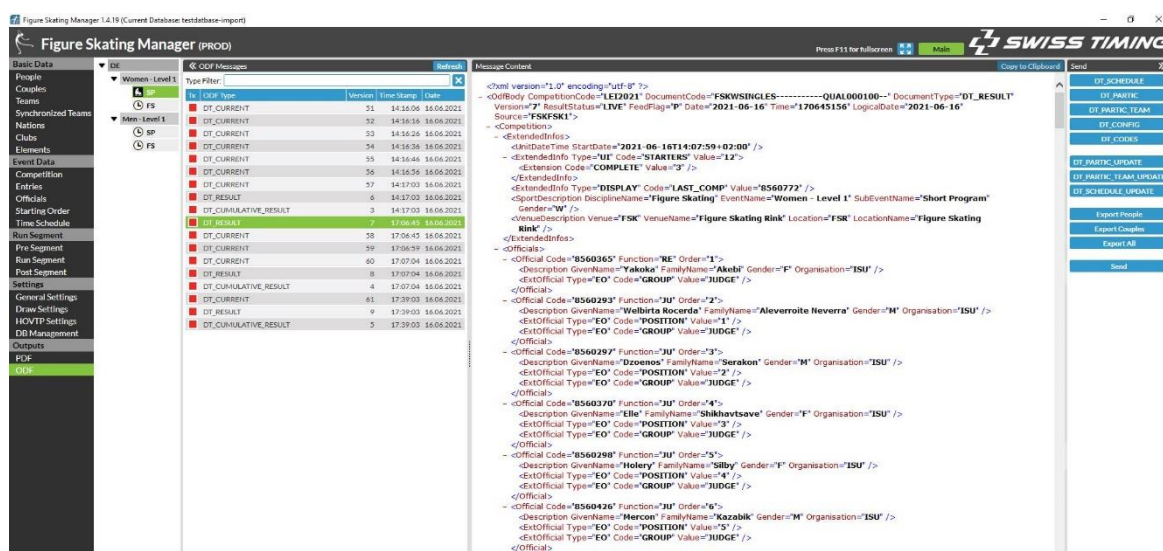
10.2 ODF

This section is for the developers among you. It should give you a better overview about the messages, the FS Manager sends to the Outputs and their structure. ODF means Olympic Data Feed and you can find the current ODF2 Data Dictionary here:

https://odf.olympictech.org/2022-Beijing/OG/PDF/ODF_FSK_Data_Dictionary.pdf



1. Go to Outputs / ODF
2. Choose a Segment
3. Click the Refresh Button (top middle)
4. Click on the Message you would like to see
5. Check the Message Content on the right side



11 FEATURES

A Feature is an additional functionality for your FS Manager.

The most of you had a Scoreboard or Info Dongle for your old ISUCalcFS Software to make the Scoreboard or the Info system running. This Dongle you do not need anymore and it has been replaced by a feature file.

Note: The Requirement for using a features file is Windows 10/11 Pro or Enterprise because of the amount of connections you can handle with the Database server. Windows home is very limited and Windows Pro is recommended to avoid connection Problems.

11.1 What is an extra Feature?

11.2 How can I get one?

If you would like to add a feature to your FS Manager, please contact Mr. Jens Bohnet (bohnet.j@st-sportservice.com) with Mr. Steffen Bödemann (boedemann.s@st-sportservice.com) in copy and he will send the pricelist about the features we have at the moment and the features.xml file after payment.

Current available features are:

- Announcer Screen / (former Infoscreen via Unikey Dongle)
- Scoreboard (HTML) / (former SCB output via Unikey Dongle)
- Output Groups / a kind of a print batch to create print routines
- Additional Draw / Draw Screen Output with own Logos etc.
- TV/SCB Control (trigger for separate Graphic controls)
- Hot Backup FSM (Backup for FS Manager A)

11.3 How can I enable a feature?

When you received the features.xml file you have to copy/paste it into your Export folder.

1. Close your FS Manger if open.
2. Copy and paste the features.xml file into the folder
C:\SwissTiming\OVR\FSManger\Export
3. Start your FS Manager and check if the feature you wanted is enabled.
4. Check on the Top right of your FS Manager screen if there is an expiration date

11.4 Feature Explanation

11.4.1 Announcer Screen

The Announcer Screen is a very helpful tool for the Announcer to get an overview about all relevant information like time, starting order, performed elements and result list. If you have ordered this feature you can start it via browser from a computer within your network over following address.

Local laptop/pc <http://127.0.0.1:8080/Announcer>

External laptop/pc <http://ipofyourFSManagerLaptop:8080/Announcer>

As soon as you have a connection the Announcer will come up on your Connection Status overview on the left bottom of your FS Manager User Interface. In case you have 2 Announcer Screens connected the number will increase to 2.

As soon as you press “init device” in one of your Run Segment views, the Announcer screen will be updated with the information about your current Run Segment.

11.4.2 Scoreboard (HTML)

The Scoreboard (HTML) feature is exactly what you have seen with your old ISUCalcFS.

As soon as you have this feature enabled, you can see a few more buttons on your Run Segment Screen which are called Scoreboard Control Buttons. If you press at least once on one of the button FS Manager will create a new folder called SCB. You can find this folder under

Local laptop/PC: C:\SwissTiming\OVR\FsManager\Export\yourcompetitioncode\SCB

External laptop/PC: <http://IpofyourFSManagerLaptop:8080/Export/yourcompetitioncode/SCB>

Note: Please use either the old Microsoft Internet Explorer (recommended) or the newest Google or Edge Browser. The best experiences so far, we have had with the old Internet Explorer because he has the auto-refresh function still included.

Very important: In case you would like to share the SCB folder please use the Windows function ‘Advanced Sharing’ as follow.

- Right click on the SCB folder and open the Properties dialog
 - Switch to tab <Sharing> and click the [Advanced Sharing...] button
 - Enable the checkbox "Share this folder"
 - Click the [Permissions] button and allow Full Control/Change and Read permission for Everyone
 - Confirm by clicking [OK]/[Apply]
 - Folder with "Share name" is shared now

11.4.3 Output Groups

As soon as you have enabled this feature you will find a new Menu item Output Groups under Settings. There you can Add/create new Output groups.

- Click [Add] and enter a name in the Group Name field
- Press Save
- Choose a Printout in the Dropdown Box (bottom middle section) and click [Add].
- Please choose the amount of copies you would like to print on the right side
- If you have more than one Report in your list you can change the order via cursor up and down on the right side

11.4.4 Additional Draw

As soon as you have this feature enabled you have the availability to create your customized Draw Screens, e.g. for Public Draw sessions. You can add your Background Picture, Logos and additional Information via Free text. Additionally, you can select Officials via Checkbox or via Free text which you would like to show or on your Draw Screen.

11.4.5 TV/SCB Control

More and more Federation want to show their events to a bigger audience via stream or TV, but do not have enough staff. With this feature enabled, it will be possible to trigger graphics remotely. That means additional to the ODF messages you send out via FS Manager HOVTP Connection the FS Manager will send Signal R trigger protocol to your remote machine to trigger graphics.

This Feature Provides only the Signal R protocol messages but not a full graphic service. You still need your own server to use work with the ODF Messages and your Graphic Machine, but the FS Manager Operator would be able to trigger those graphics via FS Manager.

- Enables the Television Control/SCB Control Button
- Enables "Signal R" connection for sending TV trigger messages. For the "Present Skater" and "Show Scores" trigger there are also data in the Signal R message. It is faster to use this data instead of waiting for the HOVTP ODF messages
- Enables maximum of 5 HOVTP connections
- Enables sending ODF initial messages from "Init Devices"->"Television" button only
- DT_SCHEDULE, DT_PARTIC, DT_PARTIC_TEAMS, DT_CODES, DT_SCHEDULE_UPDATE, DT_PARTIC_UPDATE, DT_PARTIC_TEAMS_UPDATE, DT_CONFIG, DT_RESULT (START_LIST), DT_CUMULATICE_RESULT (START_LIST)

Figure Skating Manager 1.6.19 (Current Database: demo_complete)

Figure Skating Manager (TEST)

Press F11 for fullscreen

Create Competition Category Delete Save Cancel Delete All Results

Detail Settings for Competition : DemoDB

Name: DemoDB
Short Name: DDB
Start Date: 28.06.2022
End Date: 28.06.2022
Is Team Competition? ☐

General Settings for Competition : DemoDB

City: Leipzig
Nation: GER - Germany
Name of Rink: Kohlrazirkus
Size from Rink: 30m*60m
Condition of Ice: very good
Type of Competition: National Competition
Trimmed Mean: Starts with 5 Judges
Is Open Draw: ☒
Competition Code: DDB
Venue Code: FSK
Set as Current: ☒
Season: Season 2022/23
Event Status: Event announced
Assigned Event Officials

Television Names

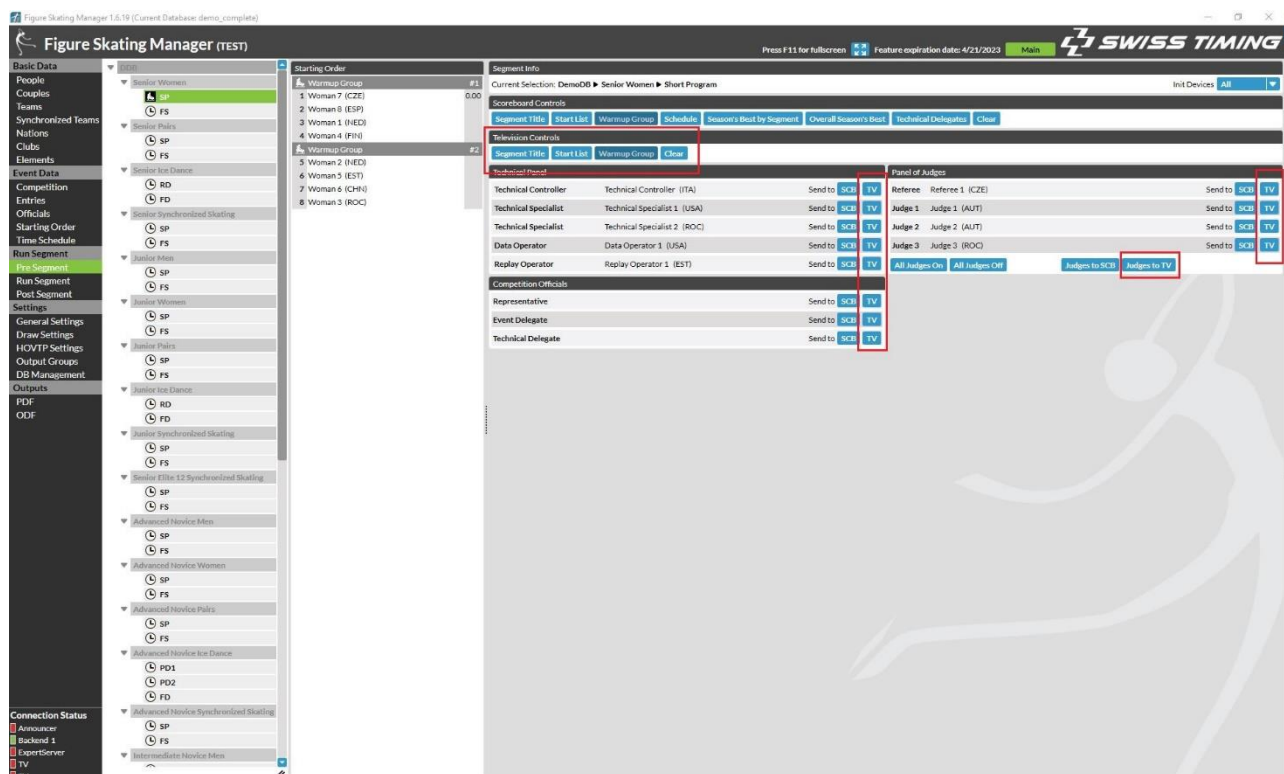
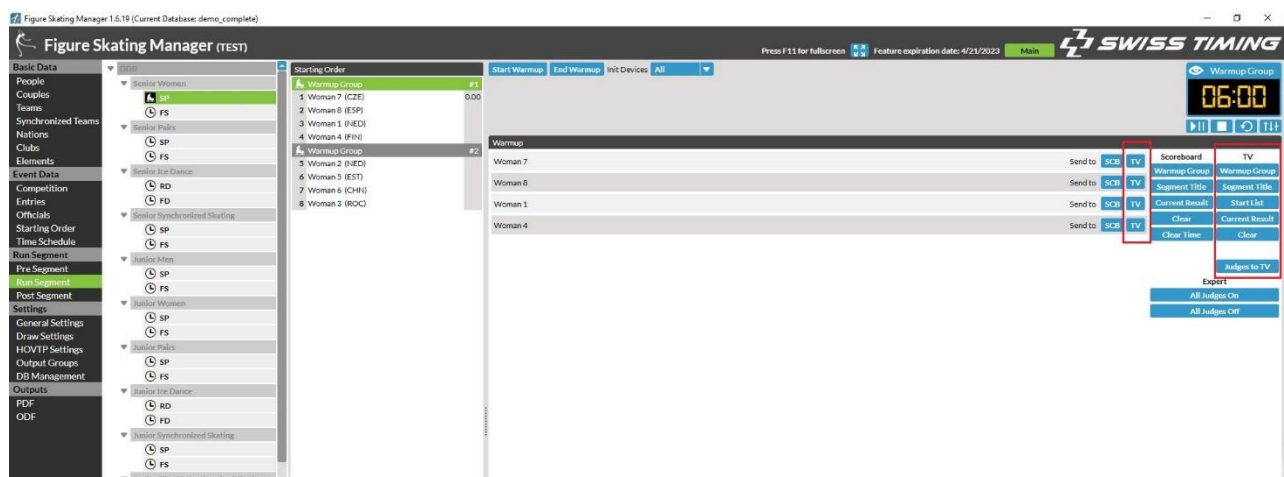
☒ Swap Asian TV Names

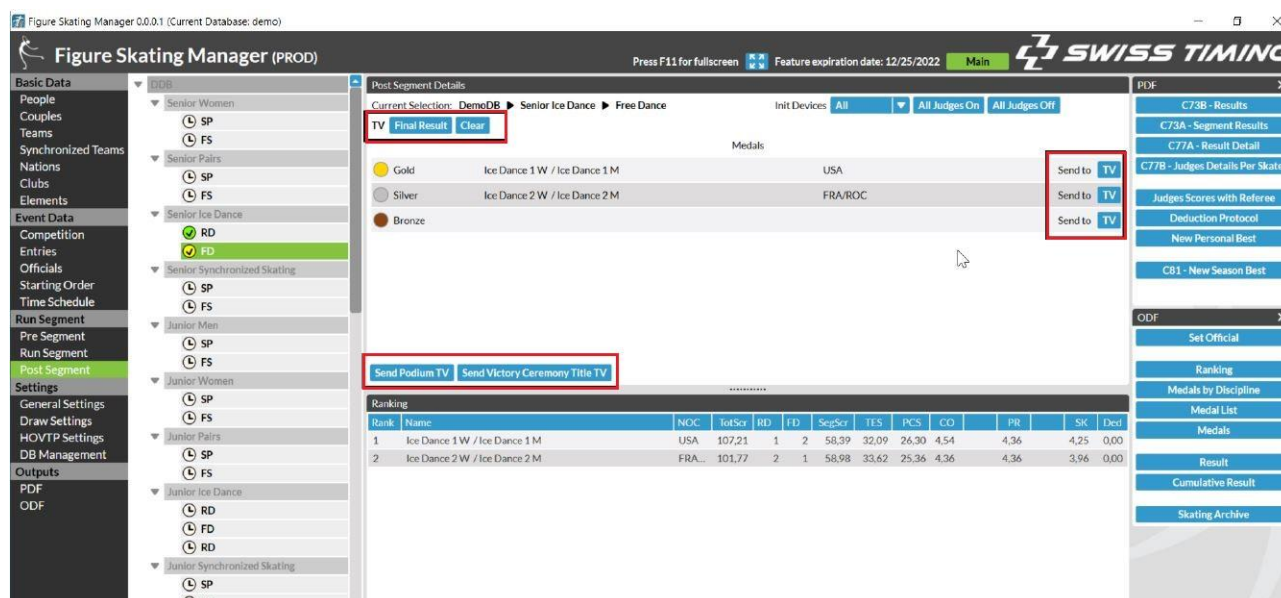
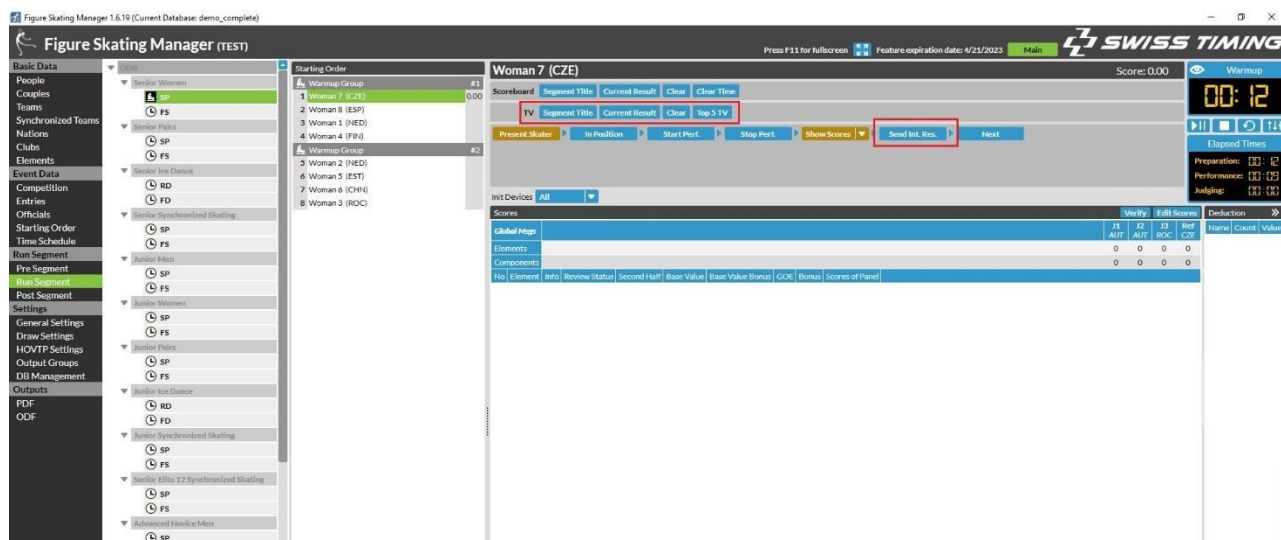
Website Settings

☒ Enable Bios Links

PDF Header/Footer Settings

☒ Use Header
☒ Show Event Title
☒ Use Footer



11.4.6 Hot Backup FSM

A new feature we just created gives you the possibility to backup your FS Manager Main laptop. Is there any Problem (hardware, software) with your FS Manager Main you can switch on the fly to your FS Manager Backup laptop and continue your competition?

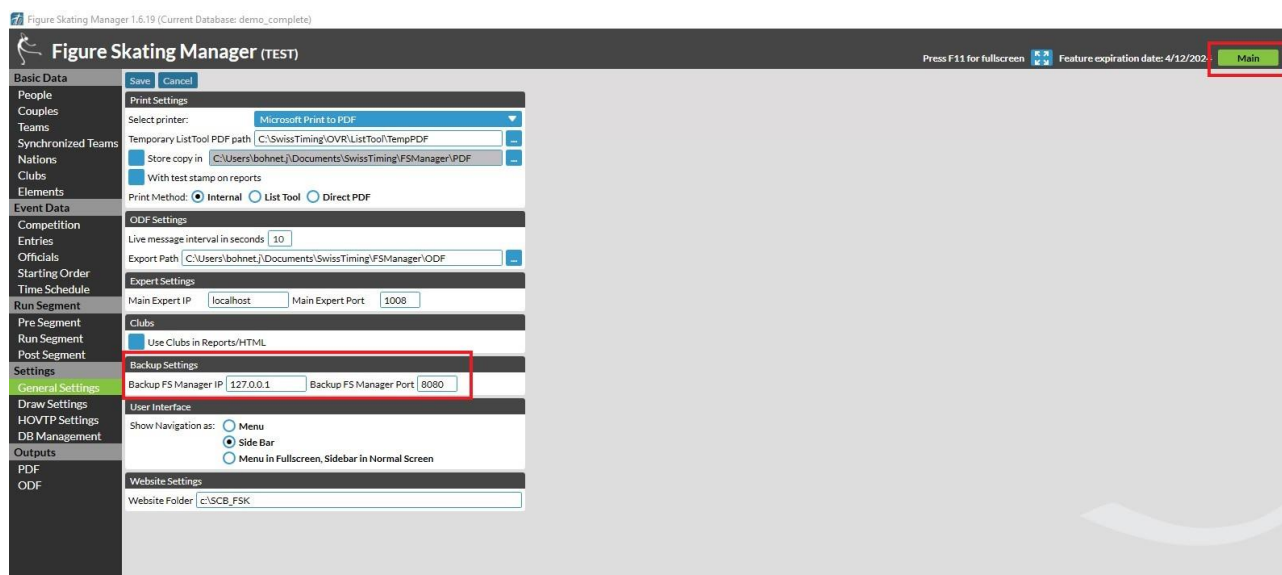
Requirements for this feature are 2 Laptops with Windows 10/11 Pro or Enterprise because another Signal R connection will be used for the connection between the FS Manager Main and the FS Manager Backup.

As soon as you have enabled this feature you will find additional settings under General Settings which allows you to connect your FS Manager Main with the FS Manager Backup.

Settings FS Manager Main:

Backup Settings Section

Backup FS Manager IP (IPofyourFSManagerBackup) Backup FS Manager Port 8080



Settings FS Manager Backup:

Backup Settings Section

Backup FS Manager IP (127.0.0.1) Backup FS Manager Port 8080

As soon as the Laptop are connected please check the Button on the Top right of your FS Manager called **Main**. Main is correct for the FS Manager Main but for the FS Manager Backup please press this button and it will show up **Backup**.

- **Main** – all Messages will be received and send out
- **Backup** – only receiving data but FS Manager will not send out messages.

Note: FS Manager Main and FS Manager Backup must have the same database with the same information before you can start. In case FS Manager Backup has to send out messages because of a crash of FS Manager Main, change the Button Backup to main. (top right of your User interface).

12 BUTTONS – STRUCTURE AND EXPLANATION

This section will follow in the next update and it will present you a Button Dictionary. If you do not know what a special Button will do, you can find the answer here.

13 QUESTION AND ANSWER

This section will be constantly updated and should give you an overview about the most common questions.