

Richard Gussmann

Calculating

User Manual

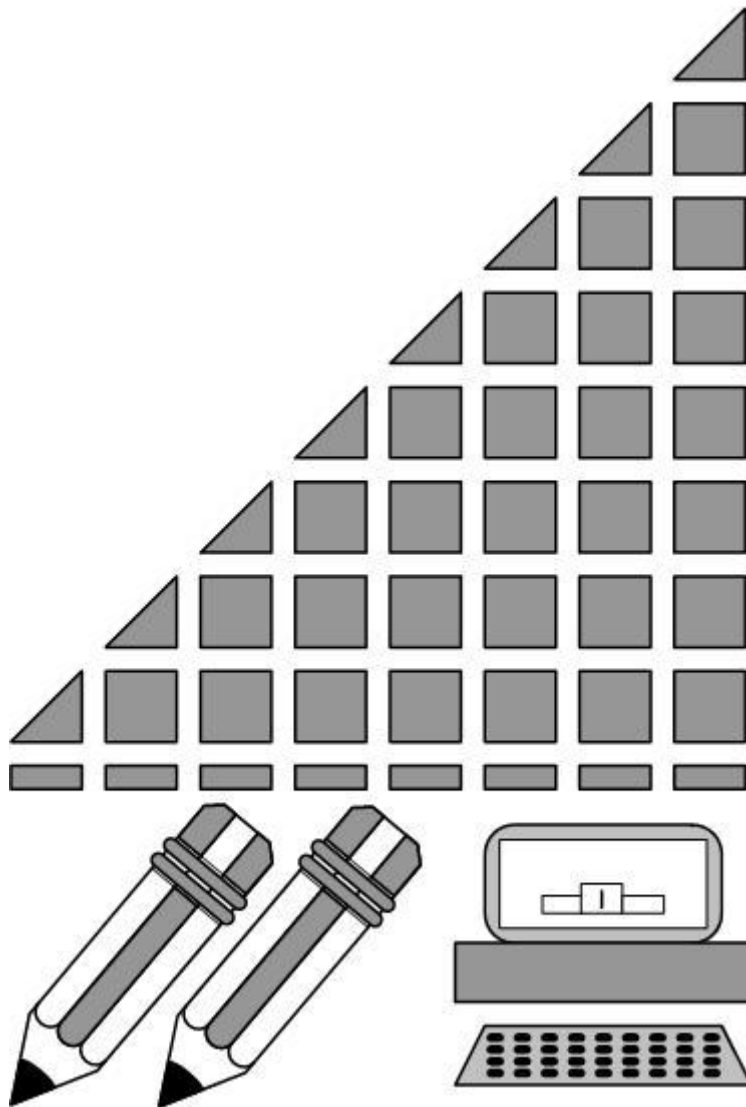


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Forward

This edition of the user manual is for version 9.4.3 of the program.

Richard Gussmann

October, 25^h 2016

1 Installation

1.1 Minimum Requirements for the Computer

The following requirements must be met to work with the programme:

1. Windows XP/Windows Vista/Windows 7/Windows 10
2. 512 Mbytes of Memory
3. 5 – 100 Mbytes free hard disk space

1.2 National adaptation

All messages within the programme are displayed in English.

However it is still possible to create a nationalized version of the programme.

The Headlines and fixed contents of the printable lists can be changed to any language possible. The messages are stored in a file with the name roller.ini. This file can be modified to fit the requirements of a special language.

1.3 Installation

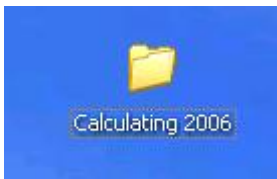
1.3.1 Installation of the Programme and additional files

The programme is available for download via the internet. The programme and the necessary files are packed into a single self extracting archive named Calculating2016.exe.

When you download this single self extracting archive and start it. It extracts the necessary files into a temporary directory and calls the setup programme. Follow the steps on the screen to install the programme.

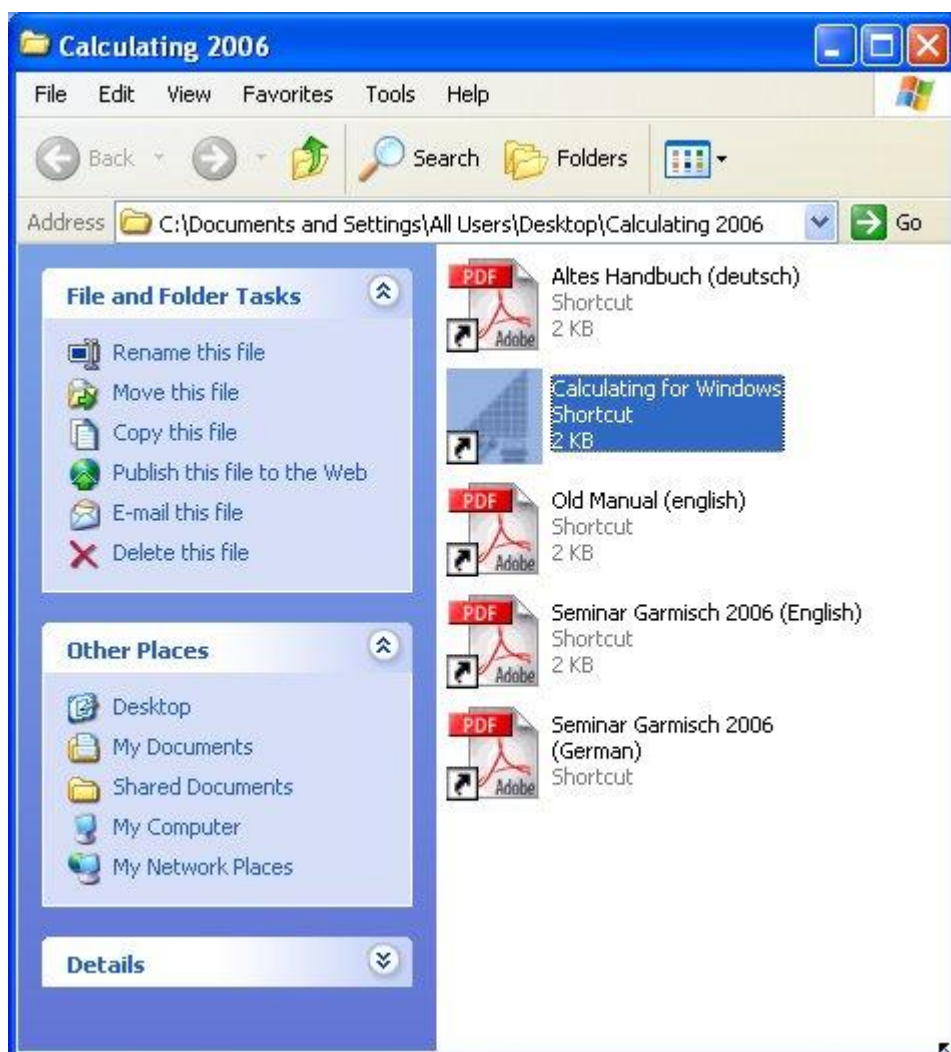
1.4 Starting the CALCULATING Program

After the setup of the Programme has been completed you will find a new icon onto your desktop and an additional menu entry within your start menu.

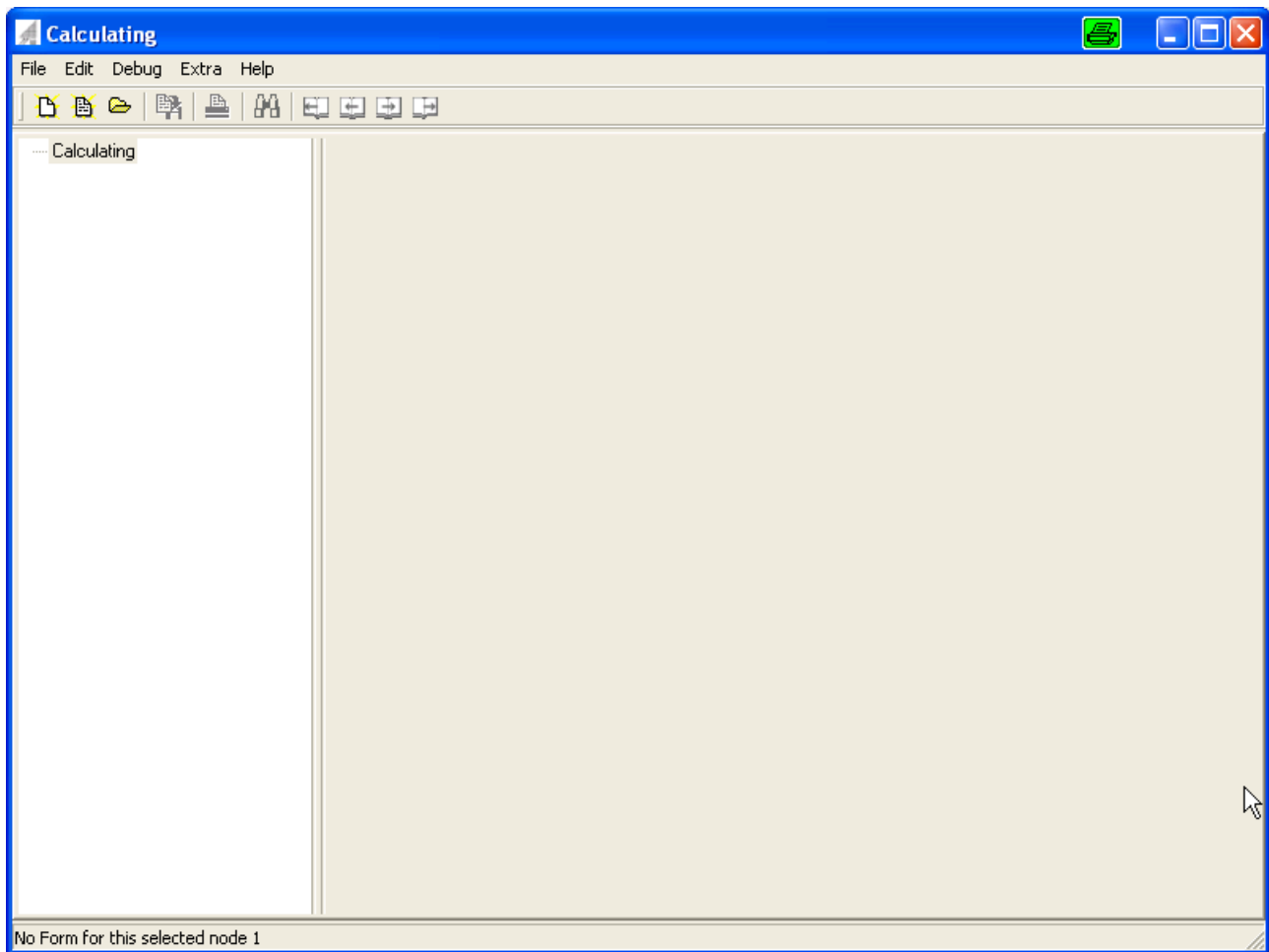


When you open the folder you will find all the necessary programmes and the documentation of the system.

You start the programme by clicking the Icon „Calculating for Windows“. After this the programme will be loaded.



After the start is completed the programme presents itself without any competitions loaded. From this point you can start creating competitions, entering marks and so on.



1.5 Competition Database and Default Location

Each competition is stored in a single database file. These files start usually with the letters "DATA" and end with the extension ".ROL".

The default location where the competition data files are stored is in the folder "roller" within the well known folder "My Documents". As long as you do not change the current championship folder you will find your data files within these folder.

2 Quick Start

This chapter provides information how to start the championship and how to run the programme without giving to many details.

This section has to be completed in a dark and lonely winter night.

3 Running "Calculating"

This chapter covers the Basic Operation of the calculating programme. It deals with the menu operations which form the main method of controlling the operation of the programme. This allows even the novice computer user to easily use the application with minimum training.

3.1 The Main Window

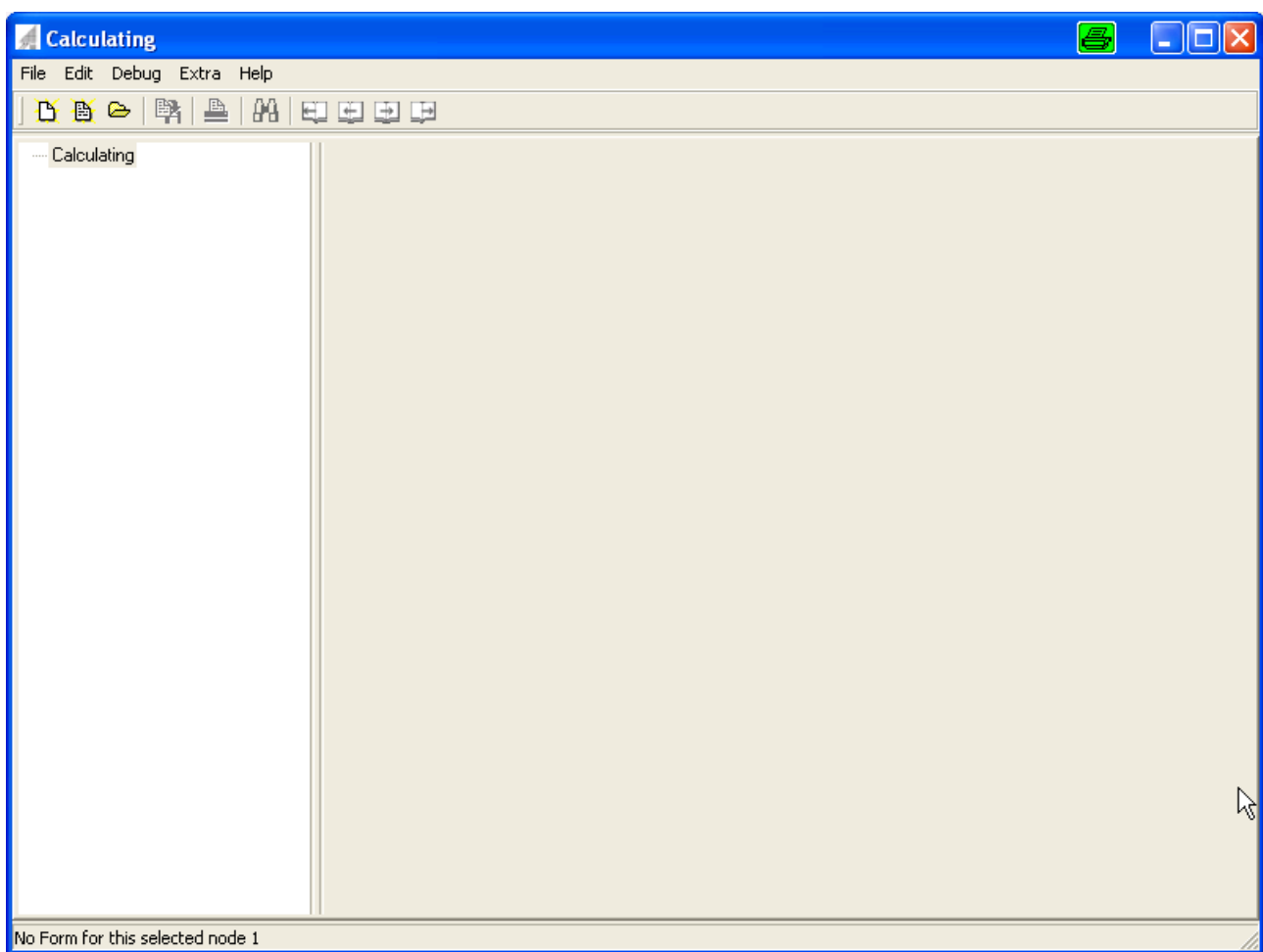


Figure 1: Programme Main Window

The screen image in Figure 1, shows the main window. The main window is divided into two areas. On the left side there is room for the menu with the items to select. According to a given menu item on the right side will be presented the dialog or report.

3.2 The Main Window

The Figure 2 gives an overview of the main window.

Each competition is shown in a separate tab. You can load more than one competition into the programme. The competition you can process is the one selected.

To close a competition click on the small red x on the right side of the tab.

On the left side there is a menu with all options available. The right side displays the report or the windows with the selected function.

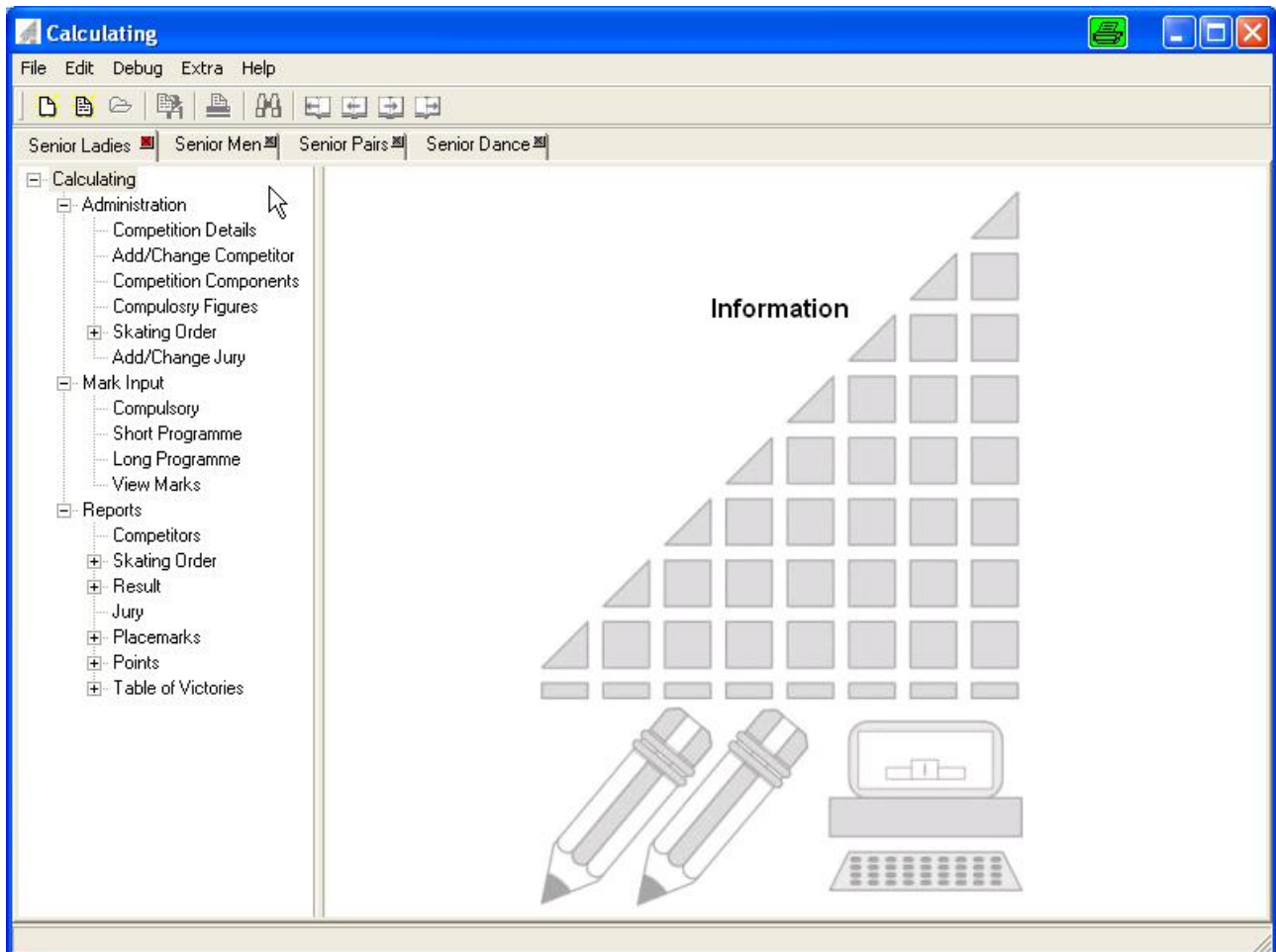


Figure 2: Main Window

3.2.1 Structure of the Menu

The programme is arranged in six sub-section all of which are reached from the main menu. This helps you to get a better overall view of the way the programme is constructed. This makes the programme very easy to follow even for beginners.

The six single sub-menu selections shown above all have a logical build up beneath each of them. Once a sub menu is selected then a second menu is displayed which expands on the features available to the user within the selection.

3.2.2 Administration Option

The administration sub menu contains all the functions that enable the user to set up the competition details. This includes entering the Skaters, Judges and competition elements.

3.2.3 Mark Input Option

This option contains the selections for the input of the marks for the various competition elements.

3.2.4 Reports Option

All the output from the programme is generated from this option, and is controlled by the settings which are configured from within this option. Output is covered in greater detail later in this manual.

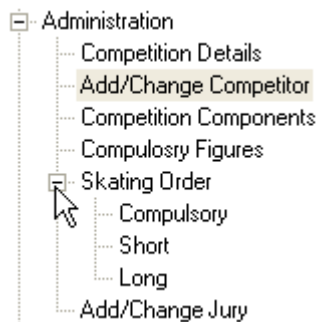
4 Detailed Descriptions of the Menu Functions

All the menu function which the programme contains will be covered in detail in this chapter. They are covered in a hierarchical order start with the entry screens and the main menu, following each of the options down from there.

If the programme has no database then the user is presented with a screen which allows the user to either start a new database of competitions or stop the programme. The first screen dump shows this layout. The options that follow are covered from here.

4.1 Competition Administration

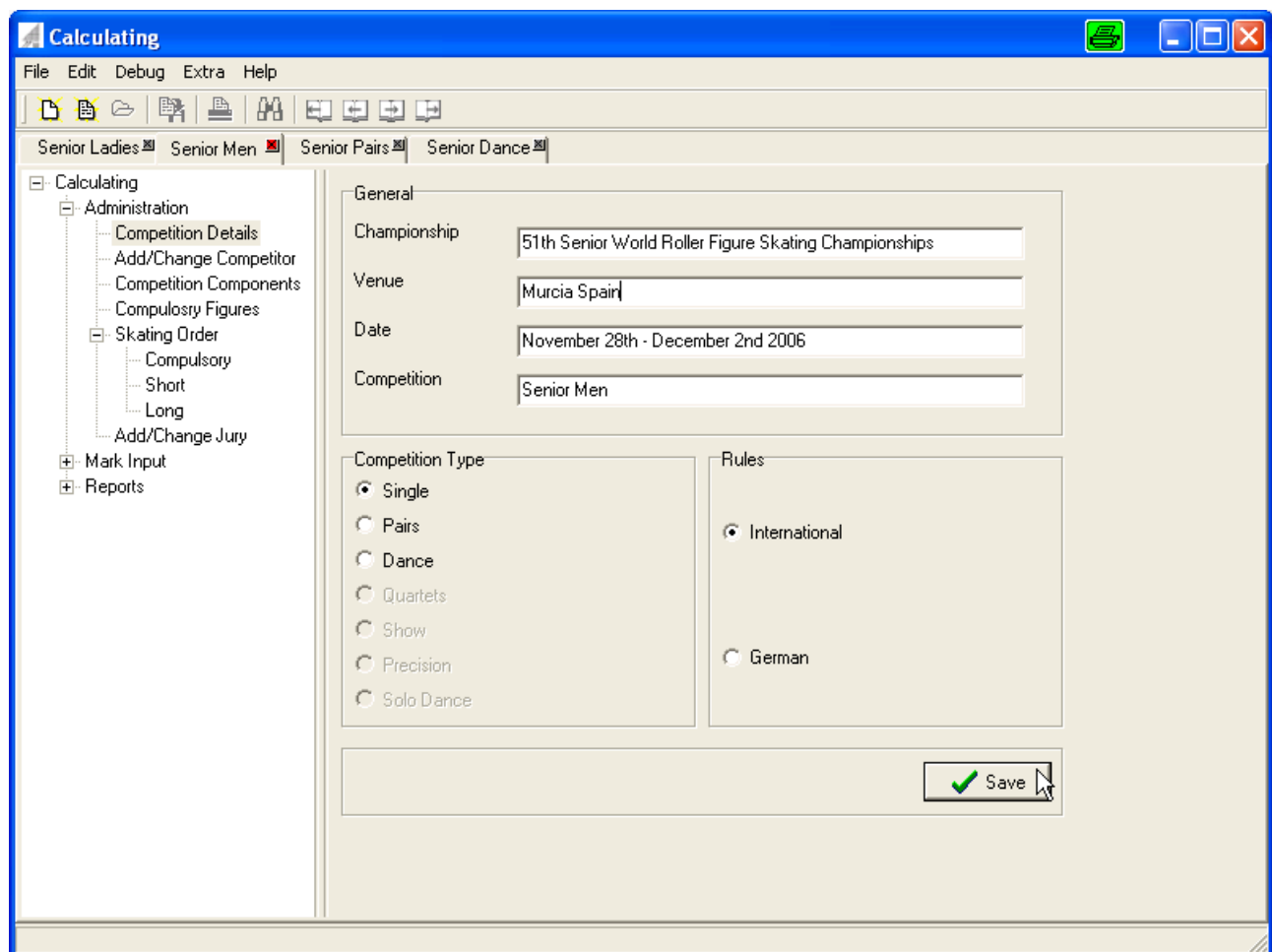
The administration menu gives you the options shown below:



4.1.1 Competition Details Option

Under this option you can change the banner you entered at the initialisation of the data file for the event. The values that can be altered are: Championship, Venue, Date and Competition Name. You also have the option to change the competition type to singles, pairs or dance as well as the rules applied to. International Rules follow the rules given by C.I.P.A. and/or C.E.P.A. German rules include changes made by the German Rollersports Association.

When all the options have been entered it is necessary to press the "Save"-Button.



4.1.2 Add/Change Competitor Option

This option allows you to enter all of the skaters for an event, in the case of Singles you must ensure that all the skaters are entered for both the figures and freestyle so that the combined result can be calculated as well.

General Usage

The screen layout shown below allows the user to build up a list of the skaters taking part along with their Nation or club if Club abbreviations are being used.

The number automatically entered on the left hand side of the screen is the competitors number. A printout of the skaters and their competitors number is available if required from the report part of the menu.

If you are using the club option then further details of the programmes implementation of this is covered later in this manual.

The screenshot shows the 'Calculating' software window. The menu bar includes File, Edit, Debug, Extra, and Help. The toolbar contains various icons for file operations and navigation. The main window is divided into two panes. The left pane shows a tree view with the following structure:

- Calculating
 - Administration
 - Competition Details
 - Add/Change Competitor
 - Competition Components
 - Compulsory Figures
 - Skating Order
 - Compulsory
 - Short
 - Long
 - Add/Change Jury
 - Mark Input
 - Reports

The right pane displays a table of skaters with the following data:

No.	Name	Nation
1	Alexander Axel	CIPA
2	Ludwig Lutz	CIPA
3	Sigfried Salchow	CIPA
4	Robert Rittberger	CIPA
5	Franklin Flip	CIPA
6	Tommy Toeloop	CIPA
7		

Below the table, there is a form for adding a new competitor. It includes three input fields: 'Competitor' (containing the number 7), 'Name of the Competitor', and 'Nation'. There is an 'Add' button and a 'Save' button with a green checkmark icon.

As the table shows the values that you can enter differ depending upon the competition type.

Type	No of fields	Field Content
Singles	1	Competitor, Club or Nation abbreviations
Pairs	2	Male Partner, Club or Nation abbreviations

<i>Type</i>	<i>No of fields</i>	<i>Field Content</i>
		Female Partner, Club
Dance	2	Male Partner, Club or Nation abbreviations Female Partner, Club
Precision	2	Name of the Precision Team, Nation abbreviations Name of the Presentation
Show	2	Name of the Show Team, Nation abbreviations Name of the Presentation
Quartets	5	Name of the Show Team or Name of the Presentation, Nation abbreviations Name of first skater, Club Name of second skater, Club Name of third skater, Club Name of fourth skater, Club
Solodance	1	Name of the competitor, Club or Nation abbreviations

If there should be a mistake in one of your entries (a name of the competitor, club etc) these can be corrected in the menu option, Add/Change Competitor.

After you have selected the competitor from the list by double clicking on the name of the competitor all the details will be copied in the editing fields at the bottom of the form. There you can make the necessary changes. To accept the changes press the "Change"-Button.

When you have completed your changes or input of the competitors you have to press the "Save"-Button.

Importing the Skaters from Spread Sheet Documents

Usually the list of skaters is available in a Spread Sheet Document like Microsoft Excel or Open Office Calc. It is possible to import the skaters into the calculating programme using the following steps:

1. Within the Spread Sheet Document you need a layout to have different columns for the name of the skater, the nation (or club) of the skater and the association (state) of the skater. It doesn't matter if the skaters name is separated into christian (first) name and family name or not.
2. Select the area of the skaters names including the nation (club) information and if necessary the association (state) as well. Copy the selection to the Windows Clipboard.
3. Within the Calculating application navigate to the competitor input panel and paste the contents of the Windows Clipboard using the menu option "Paste" within the menu "Edit".
4. The Calculating application opens a extra window where you can fine tune the settings to import the data. You have to establish an association between the columns of the copied data to the fields within the Calculating application. For example you have to assign a column number the the field of the name of the competitors as well as you have to assign a column to the field of the competitors nation.
5. When the fine tuning is completed then press the button "OK" to import the data.

The following picture illustrates how to use the paste competitors dialogue.

Import Competitors from the Clipboard

Field Selector

☒ Tabulator ☐ Space
☐ Semicolon ☐ Blank
☐ Comma

Pairs and Dance Couples Selector

☒ Ladie and Men separated into two Lines
☐ One Line Separated by Slash
☐ One Line Separated by Backslash

☐ Text is enclosed with

Firstname Name Nation Association

{not used} 1 2 {not used}

	1	2	3	4	5	6	7
	Maja Celija	Croatien					
	Tamara Tripk	Croatien					
	Verena Preis	Deutschland					
	Marloes Kluit	Niederlande					
	Jennifer van	Niederlande					
	Lisette Wilke	Niederlande					
	Fabienne Bac	Schweiz					
	Dominique Fr	Schweiz					
	Ramona Geis	Schweiz					
	Urška Anzeljc	Slowenien					
	Špela Anzeljc	Slowenien					

Abort OK

4.1.3 Competition Components Option

In this option you set the elements of the competition. The required information will of course differ depending upon which type of skating competition you are dealing with, e.g. singles, pairs or dance. As well as selecting the elements you may also have to set the relationship between them for that competition.

If there is only one relation this relation will be used automatically. If there are more than one option available, you have to select an option suitable for the competition.

You must first select the basic make up of the event by selecting the competition components your competition will have. For example if you have a competition with compulsory figures and the long programme you have to select the check boxes for compulsory figures and the long programme.

If you select an option with compulsory figures then you have to select the number of figures to be skated.

You will then be asked to enter the relationship between the various sections as to the split between the mark distributions. In a table at the end of the page the programme lists all possible options. You have to select one option by clicking in the suitable table row.

If there is not one that suits your requirements then select one that is the closest and use the Menu Option Competition Relation to modify the multipliers.

Calculating

File Edit Debug Extra Help

Senior Ladies Senior Men Senior Pairs Senior Dance

Calculating

- Administration
 - Competition Details
 - Add/Change Competitor
 - Competition Components
 - Compulsory Figures
- Skating Order
 - Add/Change Jury
- Mark Input
- Reports

Components of the Competition

- ☒ Compulsory Figures
- ☒ Short Programme
- ☒ Long Programme

Number of Compulsory Figures

4

Competition Relation

	Compulsory	Short	Long
Top Sums	80	20	60
Factor	2	1	3

	Comp.	Short	Long		Comp.	Short	Long
Top Sums	80	20	60	Factor	2	1	3
Top Sums	40	20	60	Factor	1	1	3
Top Sums	40	10	50	Factor	1	1/2	5/2
Top Sums	40	20	40	Factor	1	1	2

Save

4.1.4 Dance Competition Components Option

The competition components option in dance competition is slightly different from the one in the single events. But everything valid for a single competition can also be applied to the competition components option in dance competitions.

You first have to select the components of the competition, i.e. whether there is compulsory dance or not, there is an O.D./O.S.P or a Style Dance and or there is a free dance or not.

If you have compulsory dances then you have to select the number of compulsory dances.

Then you have to select the competition relation if there is more than one possibility.

Calculating

File Edit View Debug Extra Help

Senior Ladies Senior Men Senior Dance

Calculating

- Administration
 - Competition Details
 - Add/Change Competitor
 - Competition Components
 - Compulsory Dances
- Skating Order
 - Add/Change Jury
- Mark Input
- Reports

Components of the Competition

- ☒ Compulsory Dance
- ☒ Original Set Pattern Dance/Original Dance
- ☒ Free Dance

Number of Compulsory Dances

2

Competition Relation

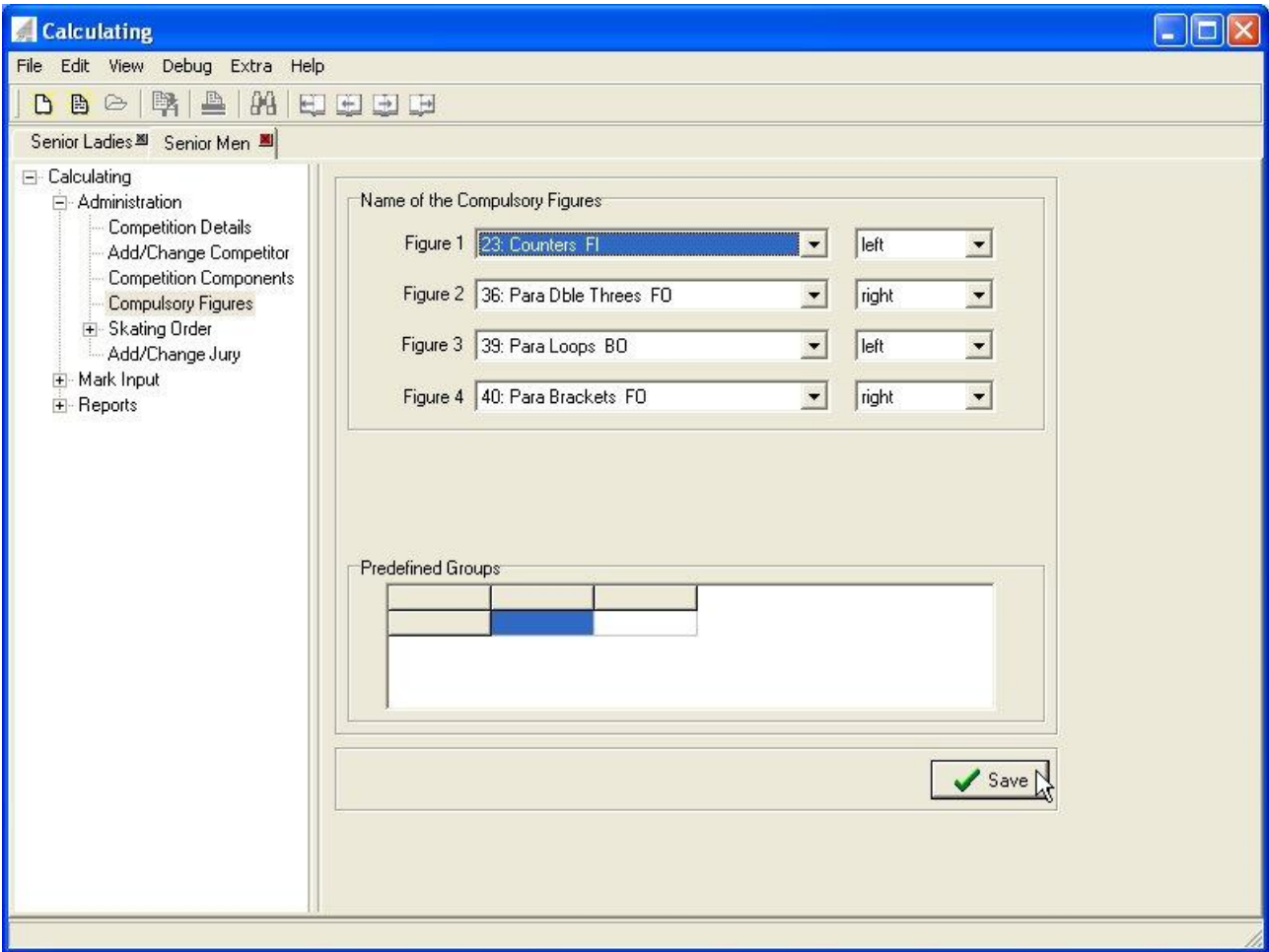
	Comp. D.	OSP/OD	Free D.
Top Sums	20	20	20
Factor	1	1	1

	CD	OSP/OD	Free D.		CD	OSP/OD	Free D.
Top Sums	20	20	40	Factor	1	1	2
Top Sums	20	10	30	Factor	1	1/2	3/2
Top Sums	20	20	20	Factor	1	1	1

Save

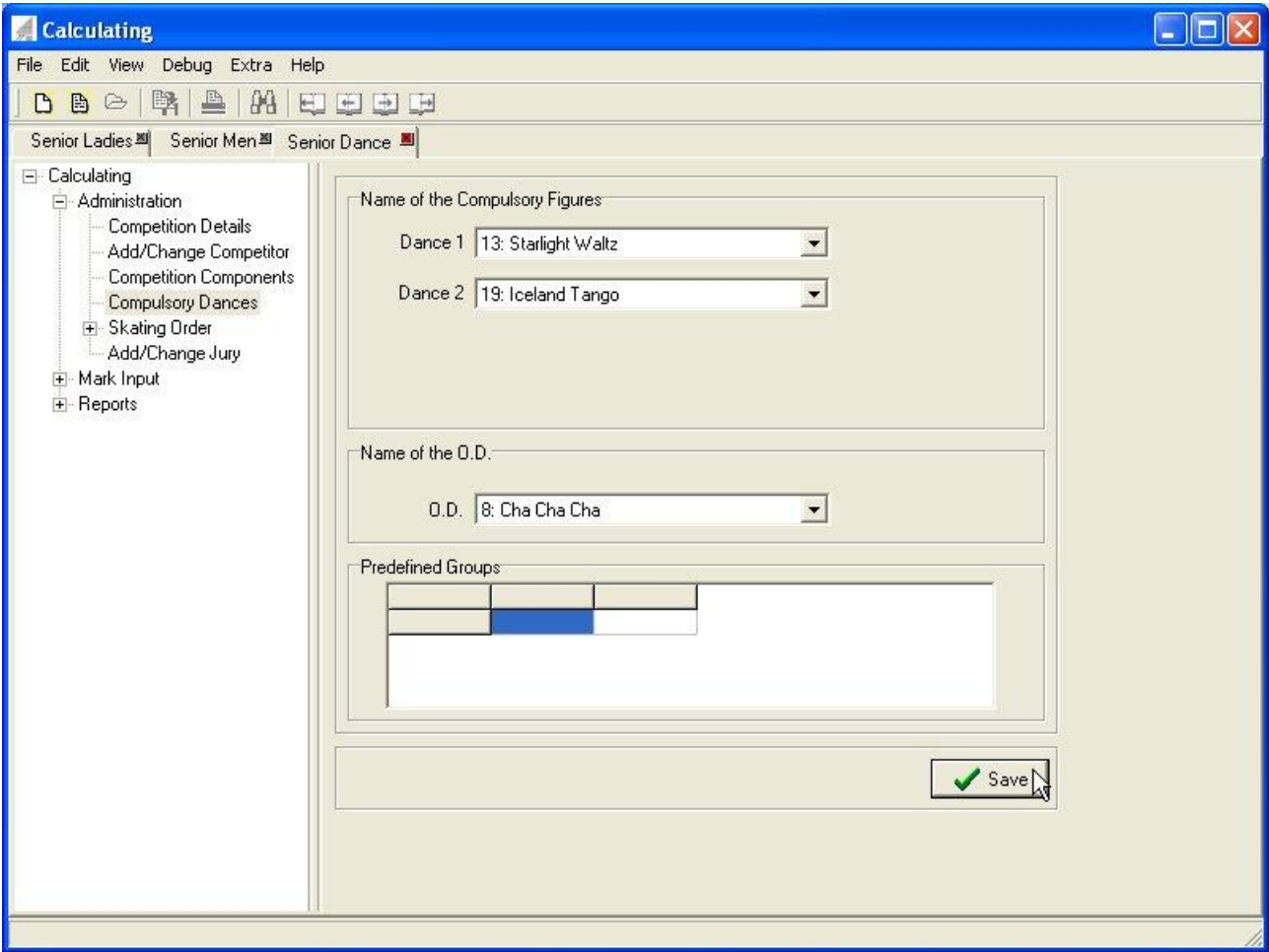
4.1.5 Compulsory Figures Option

In the compulsory figures option you can select the name of the compulsory figures as well as the starting foot.



4.1.6 Compulsory Dance Option

In the compulsory dance option you can select the name of the compulsory dances as well as the names of the O.D. or O.S.P.



4.1.7 Skating Order Compulsory Option

In the skating order compulsory option you can enter the skating order for the compulsory figures competition. The names of the skaters are listed into a table. On the right side of the table in the column with the title Order you can enter the starting numbers. You can navigate through the cells using the arrow keys.

You can save the skating order only, when it is complete, i.e. there is no missing starting number.

To make sure that the last number is accepted by the system, you should press the arrow up key or the enter key to confirm it.

Sometimes it is easier to enter the skating order in a different way. Therefore you can select whether the list of the competitors is presented in registration order or in the order of a calculated result.

Calculating

File Edit Debug Extra Help

Senior Ladies Senior Men Senior Pairs Senior Dance

Calculating

- Administration
 - Competition Details
 - Add/Change Competitor
 - Competition Components
 - Compulsory Figures
- Skating Order
 - Compulsory
 - Short
 - Long
- Add/Change Jury
- Mark Input
- Reports

Sort list of competitors by
Registration Order

No.	Name	Nation	Order
1	Alexander Axel	CIPA	5
2	Ludwig Lutz	CIPA	1
3	Sigfried Salchow	CIPA	4
4	Robert Rittberger	CIPA	
5	Franklin Flip	CIPA	2
6	Tommy Toeloop	CIPA	3

Save

4.1.8 Skating Order Short Programme Option

This menu is used in the same way as the skating order compulsory figures option.

4.1.9 Skating Order Long Programme Option

This menu is used in the same way as the skating order compulsory figures option.

4.1.10 Add/Change Jury Option

The names and club description of the referee and other officials are entered or changed with this menu option.

The panel of judges can only have the values of 3, 5, 7 or 9 judges. Sometimes the first Judge is also the referee. In case no referee has been named, you can do so with the first judge.

The screen display below shows an example of entering a panel of judges. During the competition the number of judges can not be changed but you can later and spelling mistakes etc. You just have to watch that you don't change the number of judges.

If the number of the judges is changed you must ensure that all the results are recalculated afterwards in order to bring the results back into line.

The screenshot shows the 'Calculating' software window. The menu bar includes File, Edit, Debug, Extra, and Help. The toolbar contains various icons for file operations and navigation. The main window has tabs for 'Senior Ladies', 'Senior Men', 'Senior Pairs', and 'Senior Dance'. The left sidebar shows a tree view with 'Calculating' expanded, containing 'Administration' (with sub-items: Competition Details, Add/Change Competitor, Competition Components, Compulsory Figures, Skating Order, and 'Add/Change Jury' selected), 'Mark Input', and 'Reports'. The main area is titled 'Jury' and contains a form for entering judge information. The form has a 'Referee' section with 'Name' (Margaret Brooks) and 'Nation' (CIPA) fields, and an 'Assistent' section with 'Name' (Nicola Genchi) and 'Nation' (CIPA) fields. Below this is a 'Number of Judges' dropdown menu set to '7'. A table lists judges from Judge 1 to Judge 9, with columns for Name and Nation. Judge 1 is Miguel Ugedo (ESP), Judge 2 is Pat Wallace (AUS), Judge 3 is Conny Bork (GER), Judge 4 is Edith Figueiredo (BRA), and Judge 5 is Caroline Wolderling (NED). Judges 6, 7, 8, and 9 have empty fields. A 'Save' button with a green checkmark is at the bottom right.

	Name	Nation
Referee	Margaret Brooks	CIPA
Assistent	Nicola Genchi	CIPA
Number of Judges	7	
Judge 1	Miguel Ugedo	ESP
Judge 2	Pat Wallace	AUS
Judge 3	Conny Bork	GER
Judge 4	Edith Figueiredo	BRA
Judge 5	Caroline Wolderling	NED
Judge 6		
Judge 7		
Judge 8		
Judge 9		

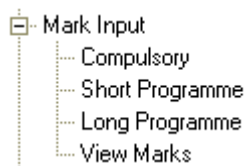
Save

Taking Over the Panel From a Different Competition

Open the competition you will copy the jury from. Open the page with the panel. In the menu "Edit" select the "Copy" option. This will copy the complete jury into the windows clipboard. Then select the competition you will insert this panel. There select in the menu "Edit" the "Past" option.

4.2 Mark Input

The mark input menu gives you the options shown below:



Single/Pairs



Dance/Solodance

4.2.1 Common to all Mark Input Options

Within all the mark input options there are some common functions which are described in this section.




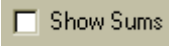

The mark input window displays the following information:

1. Number of the competitor.
2. Name of the competitor.
3. Nation or Club of the competitor.
4. Association of the competitor (if this option has been turned on).
5. In compulsory figures or compulsory dance events number of the figure/dance and name of the figure/dance.
6. Over the input fields for the marks the nations of the judges.

The mark input window has several options to control the mark input:

1. You can select the competitor you will input the marks for.
2. You can select the figure or dance you will input the marks for.
3. You can delete all the marks you have just entered for this competitor.
4. You can confirm the marks you have just entered by pressing the key Enter or the button OK.

The following buttons provide can be used to control the mark input options.

	This button selects a competitor you can enter the marks for.
	This button deletes all the marks you have entered for this competitor.
	This drop down box allows you to select the compulsory figure or compulsory dance you will enter the marks for.
	The “Show Sums” option allows you to show the marks and sums of this skater in a separate window to compare the values.
	<p>The button “OK” saves the marks you have entered. This can also be done by pressing the “Return” key on the keyboard.</p> <p>The marks are saved. If the “Show Sums” option is activated the sums are displayed. According to the skating order the next skater is displayed for mark input.</p>

4.2.2 Mark Input Compulsory Option

The following figure shows you the mark input compulsory option.

This section has to be completed in a dark and lonely winter night.

The screenshot shows the 'Calculating' application window. The menu bar includes File, Edit, View, Debug, Extra, and Help. The toolbar contains various icons for file operations and editing. The 'Senior Men' menu is open, showing a tree view with the following structure:

- Calculating
 - Administration
 - Competition Details
 - Add/Change Competitor
 - Competition Components
 - Compulsory Figures
 - Skating Order
 - Compulsory
 - Short
 - Long
 - Add/Change Jury
 - Mark Input
 - Compulsory
 - Short Programme
 - Long Programme
 - View Marks
 - Reports

The main window displays the 'Mark Input' section for a compulsory figure. It includes the following fields and controls:

- Competitor: 6
- Name: Tommy Toeloop
- Nation: CIPA
- Assoc.: [empty]
- Figure: 1: [0]
- Marks: ESP AUS GER BRA NED (each with a text input field)
- Line: 0 Mark Position: 0 Cursor: 0 <OnClick>
- Options:
 - ☐ Show Sums
 - ☐ Show Results
 - ☐ Show Table of Victories
- OK button

The status bar at the bottom shows '21' and 'Doing TInputMultipleMarkLines'.

4.2.3 Mark Input Short Programme Option

The following figure shows you the mark input short programme option.

This section has to be completed in a dark and lonely winter night.

4.2.4 Mark Input Long Programme Option

The following figures shows you the mark input long programme option.

The mark input long programme option is nearly the same as the mark input short programme option.

4.3 Reports

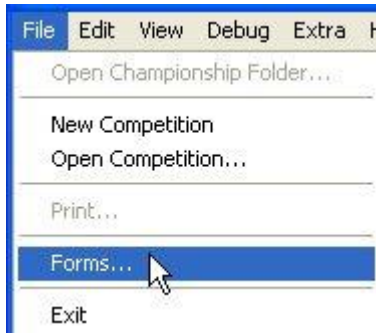
In the reports section you find all the possible reports the programme can do.

The report can be seen on the screen. It can be printed through the print menu option or the report can be copied into the windows clipboard to paste it into Microsoft Word or into Open Office Writer.

4.4 Judges Forms

To print the judges forms the competition must be set up correctly and all necessary data has to be provided.

To print the judges forms simple select the Forms option in the File menu.



Then the forms dialog window pops up where you can select the form you will create.



After selecting the form you wish to create and pressing the button OK the form is created and displayed in the Adobe (Acrobat) Reader. There you can print the form.

To do forms on your computer it is necessary to have installed Adobe (Acrobat) Reader and a Sun Java Virtual Machine with Version 1.5 or higher.

Appendix

5 Numbers for Compulsory Elements

5.1 Compulsory Figures

5.2 Compulsory Dances

5.3 Original Dance/Free Dance

6 Automatic Draw of Skating Order

This section describes how to use the features to draw the order of skating by computer.

6.1 Single/Pair/Dance Events

To be completed in 2017

6.2 Show and Precision Events

6.2.1 Preparation of the Event

The list of participants has to be carefully checked to avoid confusion.

It has to be made sure, that all skaters/team who are not competing have been removed from list list of competitors. Use the function “Delete Competitor ...” in the Extra menu option.

6.2.2 Show Events with up to Five Leading Teams (Top Team Processing)

The draw can be done in two groups. The skaters/teams who should draw for the better ordinals in the skating order, should be marked with the “Top Team” indicator.

During the input of the skaters name and nation information you can also check the skater, whether he or she belongs to the top team group.

No.	Name	Nation
8	Marionette / Incantation Show Team	POR
9	Five o'Clock / CPA Tona	ESP
10	With Feelings / CPA Olot	ESP
11	New York New York / Holon	ISR
12	In the Classroom / Fashion	ITA
13	Step by Step / Reus Deportiu	ESP
14	Superstitions / Grupo Nun' Alvares	POR
15	Crazy Piano's / R.V. Olympia	NED
16		

Competitor	Title of the Show Team/Name ...	Nation
15	Crazy Piano's	NED
	R.V. Olympia	

☒ Top Tm

Upd. Save

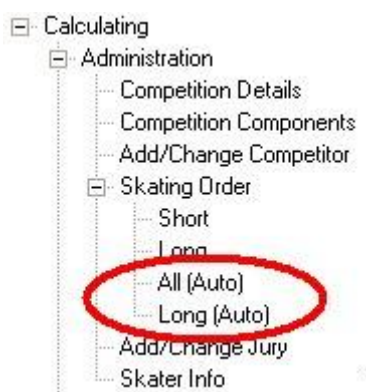
6.2.3 Verification of the Top Team Skaters/Teams

To verify whether the right skaters has been selected check the report of the Competitors.

Youth Group Draw Test 1 - List of Competitors						
Name	Nation					
1 <u>Viva Las Vegas</u> TV Jahn Wolfsburg	GER					
2 <u>Offer the Creation a Hand</u> <u>Givatayim S.C.</u>	ISR					
3 <u>The Smurfs Village</u> <u>Givat-Shmuel RSC</u>	ISR					
4 <u>Chic or Shock?</u> Division	ITA					
5 <u>Open-Mouthed</u> Italian Show	ITA					
6 <u>Find your Light!</u> RC de <u>Oude Molen</u>	NED					
7 <u>King Cobras</u> KRC Rolling	NED					
8 Marionette <u>Incantation</u> Show Team	POR					
9 <u>Five o'Clock</u> CPA Tona	ESP					
10 <u>With Feelings</u> CPA Olot	ESP					
11 New York New York <u>Holon</u>	ISR					Top Team I
12 <u>In the Classroom</u> Fashion	ITA					Top Team
13 <u>Step by Step</u> <u>Reus Deportiu</u>	ESP					Top Team
14 <u>Superstitions</u> <u>Grupo Nuri Alvares</u>	POR					Top Team
15 <u>Crazy Piano's</u> R.V.Olympia	NED					Top Team

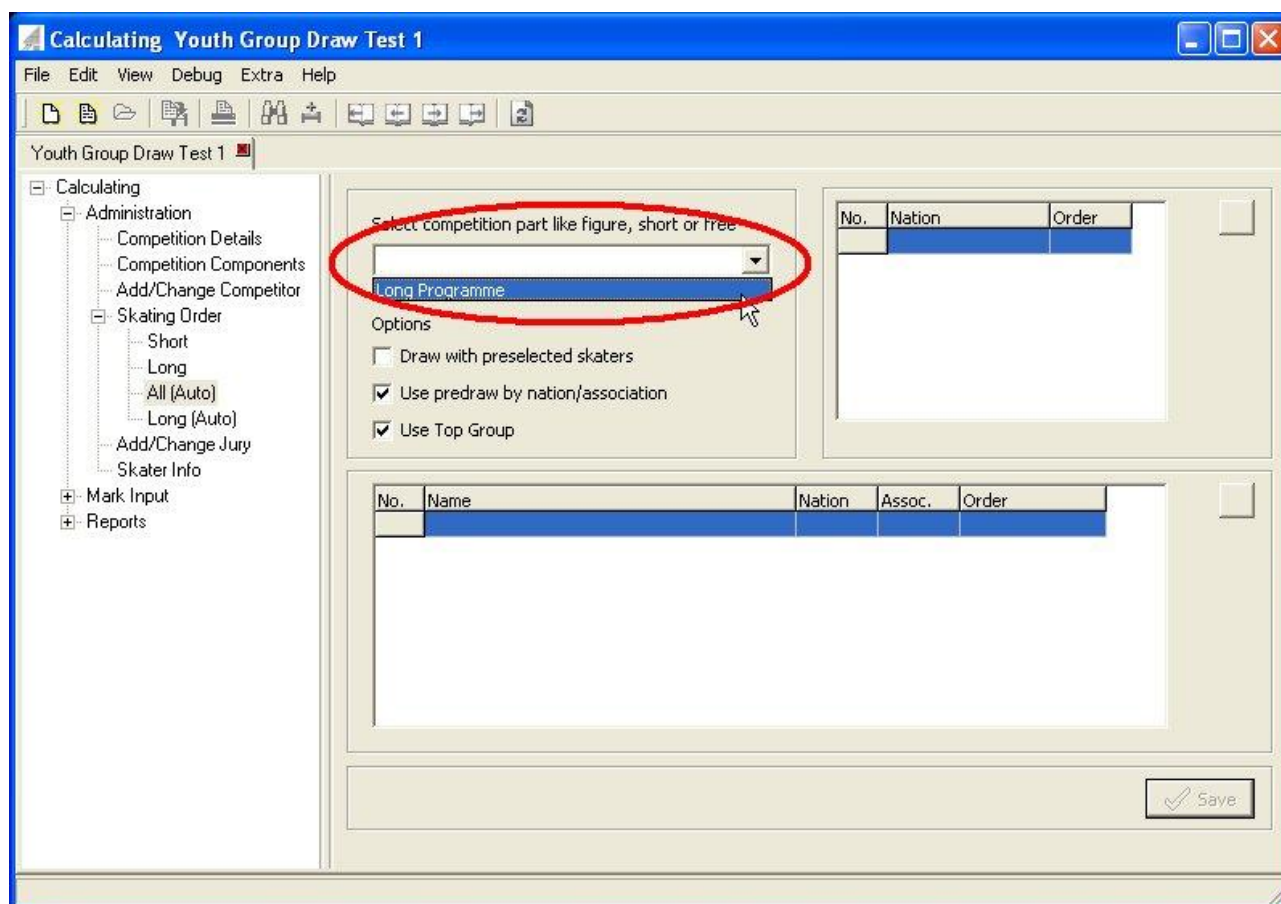
6.2.4 Drawing for the Order of Skating

In the left hand side panel there are new options to do the draw by computer.



The option “All (Auto)” allows the the initial draws to be done.

The option “Long (Auto)” allows the draw after the short programme or after the style dance to be done.



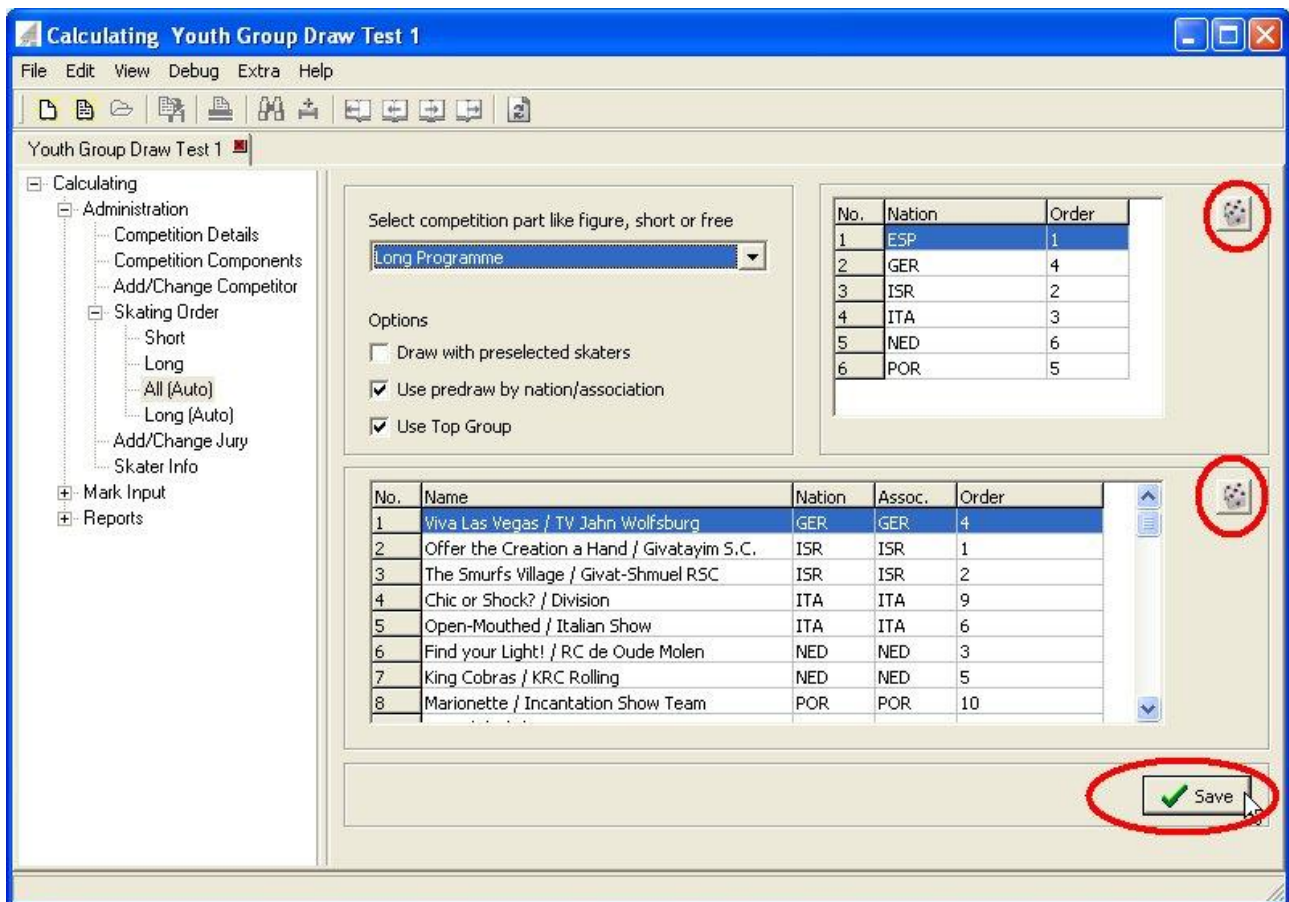
Check box “Draw with preselected skaters” is used only in single events to mark the skaters who are doing figures or free.

Check box “Use pre draw by nation/association” allows you to draw first the order of countries and then the order of skating for the competitors.

Check box “Use Top Group” does the draw in two parts. The regular skaters draw the lower

numbers while the skaters marked with “Top Team” draw for the higher numbers.

Select the competition segment like Long Programme to start the draw. The programme executes the first draw. If you want to repeat the draws press the dice button placed right hand side on the nation or skaters list.



Do not forget to save the draw you made.

7 Program Configuration Files

8 Tie Breaking Criteria on the Result Lists

On the result output where a tie has been encountered, then the method showing how the tie was resolved is shown. These are shown in the format of the step number that has been used to resolve the tie. These have been taken from the current version of the manual "The CIPA System of Scoring".

Rule	Explanation
6a/6b	Separate Majority Victories
7b 10a	“B” Score Total Long Program
7b 10b	“B” Score Total Short Program
7c	Total All Victories
7a	Total Points

9 List of IOC Country Abbreviations

The following list details the recognised country abbreviations which can be used by the program.

AFG	Afghanistan	CUB	Cuba
ALB	Albania	CYP	Cyprus
ALG	Algeria	CZE	Czech Republic
ASA	American Samoa	DEN	Denmark
AND	Andorra	DJI	Djibouti
ANG	Angola	DMA	Dominica
ANT	Antigua and Barbuda	DOM	Dominican Republic
ARG	Argentina	ECU	Ecuador
ARM	Armenia	EGY	Egypt
ARU	Aruba	ESA	El Salvador
AUS	Australia	GEQ	Equatorial Guinea
AUT	Austria	EST	Estonia
AZE	Azerbaijan	ETH	Ethiopia
BAH	Bahamas	FIJ	Fiji
BRN	Bahrain	FIN	Finland
BAN	Bangladesh	FRA	France
BAR	Barbados	GAB	Gabon
BEL	Belgium	GAM	Gambia
BEN	Benin	GEO	Georgia
BER	Bermuda	GER	Germany
BIZ	Belize	GBR	Great Britain
BLR	Belarus	GRE	Greece
BHU	Bhutan	GRN	Grenada
BOL	Bolivia	GUA	Guatemala
BIH	Bosnia and Herzegovina	GUI	Guinea
BOT	Botswana	GBS	Guinea-Bissau
BRA	Brazil	GUM	Guam
IVB	British Virgin Islands	GUY	Guyana
BRU	Brunei Darussalam	HAI	Haiti
BUL	Bulgaria	HON	Honduras
BUR	Burkina Faso	HKG	Hong Kong
BDI	Burundi	HUN	Hungary
CAM	Cambodia	ISL	Iceland
CMR	Cameroon	IND	India
CAN	Canada	INA	Indonesia
CPV	Cape Verde	IRI	Iran; Islamic Republic of
CAY	Cayman Islands	IRQ	Iraq
CAF	Central African Republic	IRL	Ireland
CHA	Chad	ISR	Israel
CHI	Chile	ITA	Italy
CHN	China; People's Republic of	JAM	Jamaica
CIV	Côte D'Ivoire	JPN	Japan
COK	Cook Islands	JOR	Jordan
COL	Colombia	KAZ	Kazakstan
COM	Comoros	KEN	Kenya
CGO	Congo	PRK	Korea; Democratic People's
CRC	Costa Rica	KOR	Republic of Korea
CRO	Croatia	KUW	Kuwait

KGZ	Kyrgyzstan
LAO	Lao People's Democratic Republic
LAT	Latvia
LBA	Libyan Arab Jamahiriya
LBR	Liberia
LES	Lesotho
LIB	Lebanon
LIE	Liechtenstein
LTU	Lithuania
LUX	Luxembourg
MAD	Madagascar
MAR	Morocco
MAS	Malaysia
MAW	Malawi
MDV	Maldives
MEX	Mexico
MGL	Mongolia
MKD	Macedonia; Former Yugoslav Repu blic of
MLI	Mali
MLT	Malta
MON	Monaco
MDA	Moldova; Republic of
MOZ	Mozambique
MRI	Mauritius
MTN	Mauritania
MYA	Myanmar
NAM	Namibia
NCA	Nicaragua
NED	Netherlands
AHO	Netherlands Antilles
NEP	Nepal
NGR	Nigeria
NIG	Niger
NOR	Norway
NRU	Nauru
NZL	New Zealand
OMA	Oman
PAK	Pakistan
PAN	Panama
PAR	Paraguay
PER	Peru
PHI	Philippines
PLE	Palestine
PNG	Papua New Guinea
POL	Poland
POR	Portugal
PUR	Puerto Rico
QAT	Qatar
ROM	Romania
RUS	Russian Federation

RWA	Rwanda
SKN	Saint Kitts and Nevis
LCA	Saint Lucia
VIN	Saint Vincent and the Grenadines
SMR	San Marino
STP	Sao Tome and Principe
KSA	Saudi Arabia
SEN	Senegal
SEY	Seychelles
SIN	Singapore
SLE	Sierra Leone
SLO	Slovenia
SOL	Solomon Islands
SOM	Somalia
RSA	South Africa
ESP	Spain
SRI	Sri Lanka
SUD	Sudan
SUI	Switzerland
SUR	Suriname
SVK	Slovakia
SWE	Sweden
SWZ	Swaziland
SYR	Syrian Arab Republic
TPE	Taipei; Chinese
TAN	Tanzania; United Republic of
TGA	Tonga
THA	Thailand
TJK	Tajikistan
TKM	Turkmenistan
TOG	Togo
TRI	Trinidad and Tobago
TUN	Tunisia
TUR	Turkey
UAE	United Arab Emirates
UGA	Uganda
UKR	Ukraine
URU	Uruguay
USA	United States of America
UZB	Uzbekistan
VAN	Vanuatu
VEN	Venezuela
VIE	Vietnam
ISV	Virgin Islands
SAM	Western Samoa
YEM	Yemen
YUG	Yugoslavia
ZAI	Zaire
ZAM	Zambia
ZIM	Zimbabwe

10 Skate Australia Remote Scoring

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