

Roller Skating
Calculating Program
USER MANUAL

Richard Gussmann

May 1999

German Championships 1989 (Heilbronn, Germany)
German Youth Championships 1989 (Stuttgart, Germany)
...
International Germany Cup 1991 (Heilbronn, Germany)
South German Championships 1991 (Heilbronn, Germany)
...
German Championships 1993 (Weil am Rhein, Germany)
Youth European Championships 1993 (Wuppertal, Germany)
...
German Championships 1994
Youth European Championships 1994 (Oderzo, Italy)
...
Youth European Championships 1995 (Alfreton, England)
German Championships 1995 (Saarbrücken, Germany)
European Championships 1995 (Saarbrücken, Germany)
...
Youth European Championships 1996 (Roseto degli Abruzzi, Italy)
European Championships 1996 (Frederikssund, Denmark)
...
Youth European Championships 1997 (France)
European Championships 1997 (Rimini, Italy)
World Games 1997 (Lahti, Finland)
World Championships 1997 (Reus, Spain)
...
Youth European Championships 1998 (Hanau, Germany)
European Championships 1998 (Pacos De Ferreira, Portugal)
World Championships 1998 (Santa fe de Bogota, Colombia)
...
European Championships 1999 (Harsefeld, Germany)
World Championships 1999 (Goldcoast City, Australia)
...

ROLLER SKATING
CALCULATING PROGRAM
User Manual

Richard Gussmann

A computer program to
calculate the results
in championships
in artistic roller skating

The author of the program for the calculation of Artistic Roller skating competitions in figures, freestyle, combined, pairs and dance.

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Forward

This edition of the user manual is for version 8.x of the program. It was written for Richard Gussmann as an English version of his original German version.

This was achieved by taking a literal translation of the German version which was undertaken by Nigel Elliott, from this translation and by using the program over a season of events for the British Federation of Roller Skating the resulting text was produced.

Kevin Robinson

Novembre, 15th 1998

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Chapter 1

Introduction

This User Manual describes all the functions of the Artistic Roller Skating event calculating application. There is also a description of the configuration of the application and how the competition will run for the calculator when using this programme.

1.1 Conventions used in this manual

1.1.1 Typeface

COURIER: Courier bold typeface is used to indicate the entries made by the user and are shown as they appear on the screen.

Italic: Italic typeface is used to highlight menu selections made in selection of a menu function.

Sans Serif: Current menu functions are shown in Sans Serif typeface.

Bold: Bold type face is used to highlight sections within the text of the user manual.

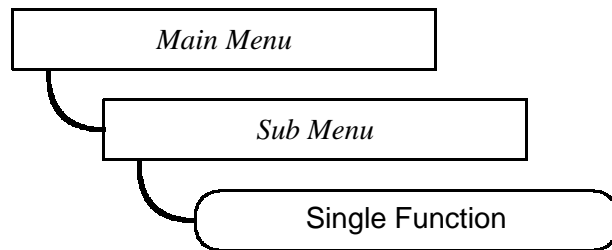
<Controls>: All controls, which have to be pressed for certain functions, are highlighted in the text with two brackets and are marked in bold.

1.1.2 Topology

The programme CALCULATING is a menu based programme. The user normally chooses functions from a list of options which either result in the required function or another sub-menu with a further set of functions to select from.

The final menu selection chosen will normally result in the desired action or option to be displayed. This menu hierarchy is displayed within this manual by use of the diagram, which shows the options that need selection to get to a particular function within the programme.

The example above shows how the user arrives at a desired function from the Main Menu via a sub-menu. These menu selections are shown in square boxes, whilst the final menu option or function is shown in a rounded text box. This allows the user of the programme to easily see how to navigate themselves to a particular point within the programme.



Chapter 2

Installation

2.1 Minimum Requirements for the Computer

The minimum specification for running the CALCULATING application is an IBMTM Personal Computer or compatible with a hard disk, with at least 3.5 MBytes free and a 3 1/2 inch floppy disk drive. All video adapters in text mode are combatable.

For the programme ROLLER at least 530K Byte of main memory must be free. This is the case from MSDOS, version 5.0 or higher, or in OS/2 DOS window.

This version of ROLLER was tested under OS/2 WarpTM(DOS Window) and under MSDOS version 5.0.

2.2 National adaptation

The reports and questions of the programme are all in German, if the country code for Germany (049), Austria (043) or Switzerland (041) are entered. In all other cases the reports and questions are shown in English. The country code is set in the DOS configuration file config.sys. The file config.sys normally contains the line

```
COUNTRY=44 , C:\DOS\COUNTRY.SYS
```

The first argument after the equals sign shows the country code, in the above example its set for UK (English). Further information about the country code you will find the DOS handbook.

Headlines and some country specific country details are also controlled in the file ROLLER.INI details of how to adjust these are shown later in this manual.

2.3 Installation

2.3.1 Installation of the Programme and additional files

The programme installation disk contains the files as shown in Figure 2.1.

The installation programme INSTALL.EXE is used to perform the installation steps. It is called up with the command:

```
C:\>A:INSTALL<Enter>
```

Directory of A:\

README	1ST	5,435	24/06/96	7:08
DIR	DIR	850	13/09/96	0:53
INSTALL	EXE	75,792	24/06/96	7:08
INSTFORM	EXE	74,944	24/06/96	7:08
README	EXE	39,234	24/06/96	7:08
ROLLER	EXE	374,992	06/08/96	23:41
UNZIP	EXE	33,468	24/06/96	7:08
ZIP	EXE	36,364	24/06/96	7:08
R_LJ	INI	13,118	24/06/96	7:08
ROLLER	INI	13,201	24/05/97	21:42
FORMULA1	ZIP	66,791	24/06/96	7:08
FORMULAR	ZIP	66,584	16/09/96	0:45
ROLLER	ZIP	133,497	09/08/96	0:03
ROLLER1	ZIP	136,560	24/06/96	7:08
TFM	ZIP	18,585	24/06/96	7:08
README	EQF	17,041	10/02/97	22:07
README	NOT	3,805	10/02/97	22:07
ROLLER	ORG	11,153	24/06/96	7:08
ROLLER	STS	243	24/05/97	21:46
		19 file(s)	1,121,657 bytes	
		0 dir(s)	330,752 bytes free	

Figure 2.1: Programme Disk Contents

This programme creates on the hard disc the required directory and copies onto it the programme files for both the ROLLER programme and the FORMULA GENERATOR programme. You will be prompted with various questions which you should answer, most of the questions do have default values which you should only modify if you wish to change them for your specific installation.

You will also be asked to select your default printer during the installation process.

2.3.2 Changes required for your system

Both the AUTOEXEC.BAT and CONFIG.SYS are held in your computers hard disk root directory (C:\). The following changes should be incorporated if they are not already installed.

AUTOEXEC.BAT

Add the directory name C:\ROLLER to the existing %path% within the AUTOEXEC.BAT.

e.g. PATH C:\;C:\DOS;C:\EMTEX;C:\ROLLER;C:\;

This allows the programme ROLLER to be run from your current directory. If you have installed the software onto another drive other than C : then this drive letter should be substituted on your installation.

CONFIG.SYS

If the following line is not already in your CONFIG.SYS file with a value of 20 or higher then it should be added.

```
Files = 20
```

2.4 Starting the CALCULATING Program

You start the programme by entering the command

```
ROLLER <ENTER>
```

After this the programme will be loaded

Depending if you are in the directory where a competition has been prepared, the menu will show you a choice for the competitions entered, if not competitions have been set in the directory then the menu prompts you to create a new competition. A competition can be described as either a championship or series of competitions which may be held over more than one day and may consist of a various mixture of events.

2.4.1 No Competition Database in Working Directory

When starting the programme in a directory with no database files the screen shown in figure 2.2 is displayed, you can at this point end the programme by selecting option 3 or create a new database file by selecting option 1.

Option 2 is currently not available.

```

*****
*** C A L C U L A T I N G   C/C++-Version 8.1a $\beta$ - Jan 02 1999  19:55 ***
***               (c) 1986 - 98 by Richard R. Gussmann               ***
*****

This directory contains no competition files!
No disk containing competitions files has been inserted!

1. Initialize this disk or directory as the host for
   this championship
2. Change disk
3. Quit Calculating/Roller

Make your choice, please: > <

```

Figure 2.2: No Competition Database in Working Directory

2.4.2 Competition Databases in Working Directory

If there is a Competition Database in the current working directory then a list of the available competitors will be displayed. The user can then choose from this list one or two competitions which are to be scored. If two competitions are selected how to switch between them is covered later within this manual.

A typical Screen layout for this option is shown in figure 2.3.

2.4.3 Removing Old Database Files from Working Directory

When running the programme it can currently operate with a maximum of 32 files at any one time in a working directory, although there can be up to 99 data files within that directory t the programme will pick out only the 32 with the lowest index dumber within the name.

If you wish to tidy up the working directory then you should do this from the DOS prompt and use the DOS command DEL to remove any unwanted data files from the current working directory. The files to delete are with the file extension .ROL which are the individual event data files and the extension .STS which is the data file for the programme and contains information such as next information number, output device etc.

It is therefore recommended that you keep a working directory structure that allows you to store various championships/events in particular working directories, as the programme will only pick up the current working directory contents.

```
*****
*** C A L C U L A T I N G   C/C++-Version 8.1a $\beta$ - Jan 02 1999  19:55 ***
***               (c) 1986 - 98 by Richard R. Gussmann               ***
*****

1. Senior Damas/Senior Ladies
2. Senior Varones/Senior Men
3. Senior Paraja/Senior Pairs
4. Senior Danza/Senior Dance

Select one of the competitions from above, please:
```

Figure 2.3: List of Competitions

2.4.4 Data Files

Every single competition/event has it's own datafile. Datafiles carry the names DATAXYZB.ROL where the values of XYZ can be between 001 and 100.

The numbers of competitions that can be viewed from a directory is limited to 32. Although the range of datafiles can have gaps within the number sequence, the programme will therefore only use the lowest 32 numbered files in the display.

Chapter 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 Information on the Screen

3.1.1 The Main Menu

```
*****
*** C A L C U L A T I N G   C/C++-Version 8.1a $\beta - Jan 02 1999  19:55 ***
***           (c) 1986 - 98 by Richard R. Gussmann           ***
*****

Event           : Campeonato Mundial de Patinaje Art stico
Venue           : Santafe de Bogota - Colombia
Date            : 3 al 15 Noviembre de 1998
Competition      : Senior Damas/Senior Ladies - Single - international (CIPA 94)

                  1. Administration
                  2. Mark input
                  3. Special administration
                  4. Print lists
                  5. Mark overview
                  6. Select competition
                  7. Quit Calculating
                  Make your choice, please: > <
```

Figure 3.1: Program Main Menu

The screen image in figure 3.1, shows the main menu once you have selected a competition to calculate from the list. The screen format follows that used generally within the programme. The first block contains the name of the programme, the version number, the licence number and the copyright details.

In the second block you have the information about the actual selected competition being used. After the competition name you will get the type of competition single dace group etc. this is followed by the rules that have been selected to determine the result.

3.1.2 Structure of the Programme

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. There is a seventh option on the main menu which is used to end the programme operation.

The programme is structured as follows:

1. Administration aspects
2. Mark input
3. Special Administrations
4. Printing Lists
5. Mark Overview
6. Selecting Competitions
7. Quit

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.

3.1.3 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.

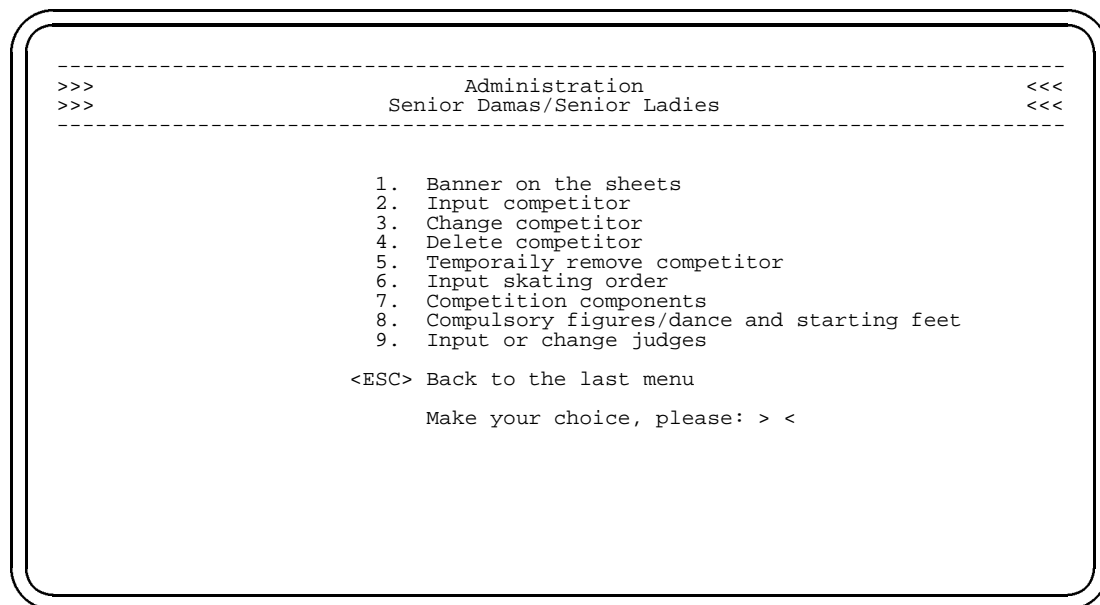


Figure 3.2: Administration Menu

3.1.4 Mark Input Option

This option contains the selections for the input of the marks for the various competition elements. This can be via the original method which is present for historical purposes and the newer more graphical method of entering marks. IN all further mark input related matters within this manual the new method will be the one discussed.

3.1.5 Special Administrations Option

This option is one used for special administrators and is not normally used in normal operation as it covers more specialised features, the vast majority of the functions required are covered by the Administration Menu. Exceptional cases which are dealt with by the menu are for example disqualifying a competitor.

3.1.6 Printing Lists 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.

3.1.7 Mark Overview Option

This option gives a quick overview of the overall marks awarded for the competition. The display gives the overall result within one option so that the user can see the result

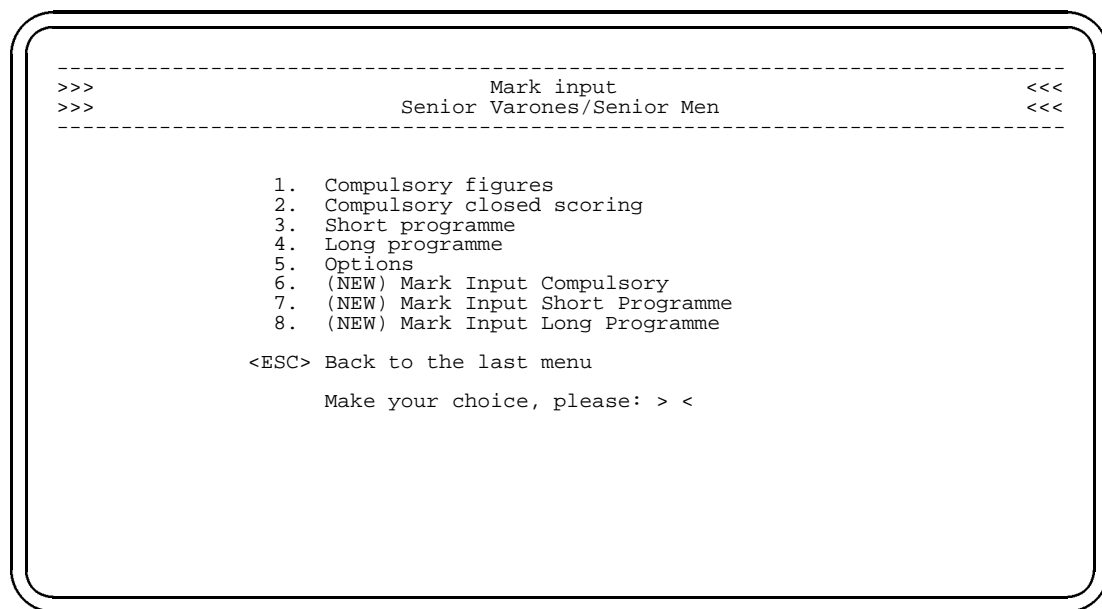


Figure 3.3: Mark Input Menu

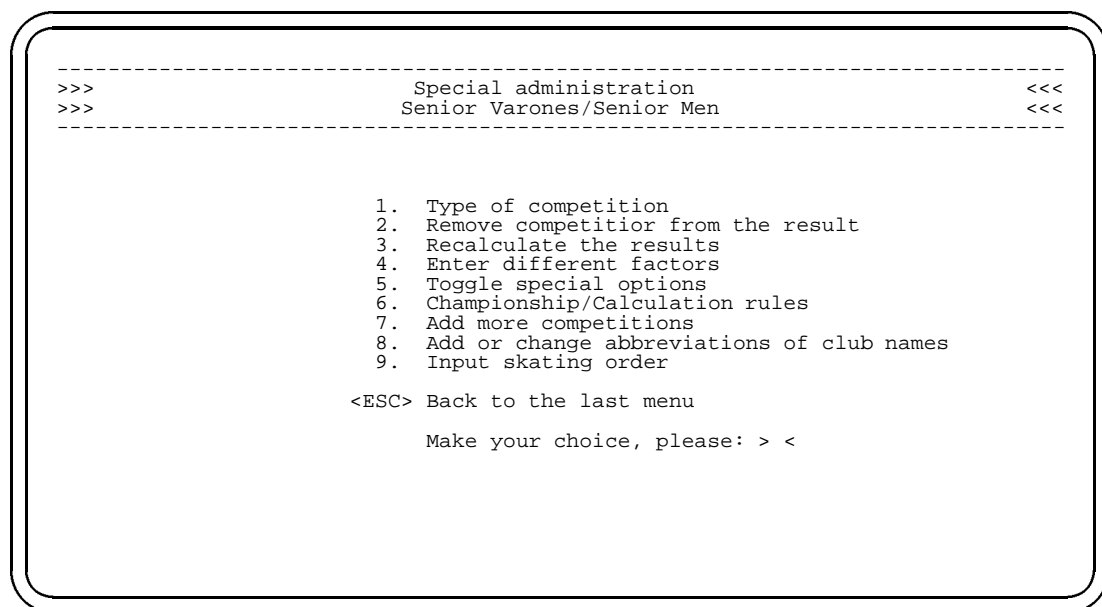


Figure 3.4: Special Administrations Menu

```

-----
>>>                                Print lists                                <<<
>>>                                Senior Varones/Senior Men                    <<<
-----

1. List of competitors
2. Skating order
3. List of marks
4. Resutls
5. Table of points
6. Place marks
7. Table of victories
8. Judges sheets

9. Print special lists

0. Output device - file

<ESC> Back to the last menu

Make your choice, please: > <

```

Figure 3.5: Print Lists Menu

```

-----
>>>                                Mark overview                                <<<
>>>                                Senior Varones/Senior Men                    <<<
-----

1 Ernesto Tamagnon                                ARG

Comp-fig 1: + : 77 : 81 : 83 : 81 : 72 : 83 : 83 = 560
Comp-fig 2: + : 82 : 81 : 83 : 83 : 81 : 84 : 85 = 579
Comp-fig 3: + : 75 : 70 : 70 : 70 : 74 : 70 : 80 = 509
Comp-fig 4: + : 84 : 78 : 80 : 80 : 82 : 83 : 82 = 569
Short A : + : 83 : 79 : 77 : 77 : 76 : 78 : 80 = 550
Short B : + : 81 : 75 : 74 : 75 : 72 : 76 : 74 = 527
Long A : + : 76 : 79 : 79 : 82 : 80 : 76 : 76 = 548
Long B : + : 74 : 76 : 78 : 80 : 77 : 73 : 73 = 531

Sum Comp : + : 31.800: 31.000: 31.600: 31.400: 30.900: 32.000: 33.000= 221.700
Sum Short : + : 16.400: 15.400: 15.100: 15.200: 14.800: 15.400: 15.400= 107.700
Sum Long : + : 15.000: 15.500: 15.700: 16.200: 15.700: 14.900: 14.900= 107.900
Sum Co+Sh : + : 80.000: 77.400: 78.300: 78.000: 76.600: 79.400: 81.400= 551.100
Sum Sh+Lo : + : 61.400: 61.900: 62.200: 63.800: 61.900: 60.100: 60.100= 431.400
Sum Total : + :125.000:123.900:125.400:126.600:123.700:124.100:126.100= 874.800
Sum Lo * 3: + : 45.000: 46.500: 47.100: 48.600: 47.100: 44.700: 44.700= 323.700
Sum Co * 2: + : 63.600: 62.000: 63.200: 62.800: 61.800: 64.000: 66.000= 443.400

```

Figure 3.6: Mark Overview Menu

of the event being calculated. The example above shows the output for a single skater.

3.1.8 Select Competition Option

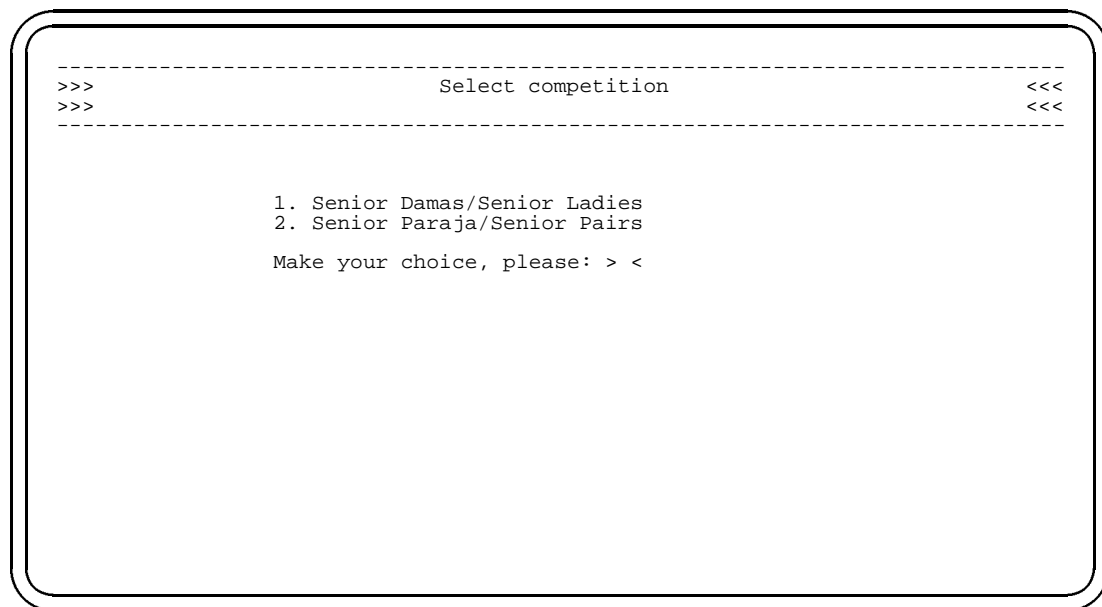
This allows the user to select another competition to work with.

3.1.9 Quit Calculating Option

This takes the user out of the program and back to the DOS prompt.

3.2 Working on two competitions simultaneously

The programme is capable of working on two separate events simultaneously so that joint events can be scored. The user selects the two competitions when they start up the programme. In order to switch between the two competitions the user selects the desired event by entering the <F2> key on the keyboard. This displays the menu shown below so that the user can then select the desired competition to operate on.



```
>>>                               Select competition                               <<<
>>>                               <<<
-----
1. Senior Damas/Senior Ladies
2. Senior Paraja/Senior Pairs
Make your choice, please: > <
```

Figure 3.7: Selecting Competition when working with two

3.2.1 Input of Commands and important control keys

Navigation around the menu system is via the user entering the desired option number via the keyboard. Besides this the user has some other important specific keys which

allow them to use the programme. These are summarised below in Table 4.1. The most important keys are <ESC> and <F2>.

With <ESC> the user can stop most of the functions that they have selected. With the user pressing the <ESC> key, you are returned to the previous menu selection.

The key <F2> switches between two active competitions if the user has selected two competitions to calculate.

Another important key is the <F3> key this allows the user to select a competitor for mark input for example or for withdrawing etc. Each competitor has a competitor number which uniquely identifies them throughout the programme. The user can enter this number if they know it but the use of the <F3> key allows them to select from a list of all the competitors, without knowing the competitor number. The currently selected skater is highlighted and you select the desired skater by using the up and down arrow keys on the keyboard, the highlight bar moves until to select the desired skater, using the <ENTER> key will select the skater from the list.

The functions that support this feature are:

- Changing competitors details
- Delete competitor
- Taking competitor back
- Mark input compulsory
- Mark input free
- Mark input figure
- Taking competitors off the list
- Global outlook

The screen dump below shows an example of this feature.

<1> ... <9>	Calling up single functions
<ESC>	Stop a function or returning to the top menu
<RETURN>	End entering information
<ENTER>	Same as <RETURN>
<CR>	Same as <RETURN>
<F2>	Switching between two competitions
<F3>	Menu controlled selection of competitor
<y> or <j>	Entering a positive answer (yes)
<n>	Entering a negative answer (no)
<↑>	moving the cursor up one line down
<↓>	moving the cursor down one line up
<pg up>	moving the cursor up a page
<pg down>	moving the cursor down a page

Table 3.1: Important key controls

>>>Change competitors details<<<
>>>Senior Damas/Senior Ladies<<<

Select competitor

Numb

1 Analia Papa

2 Gabriela Vaudagna

3 Maria Daniela Rodas

4 Carolina Pogliano

5 Maria Eva Giannatass

6 Valeria Martinez

7 Emma Ramsey

8 Jodi Skelton

9 Nicole Cassidy

10 Sara Williams

11 Alisson Keagan

12 Laura Mallard

13 Anna Maria Neira

14 Wendy Annia Hidalgo

15 Sandra Gonzalez

Figure 3.8: Selecting Competitors

Chapter 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 The Empty Main Menu

After the start of the programme when the working directory contains no competitions, the programme comes back with the empty main menu. In this menu you can call up the option (1) to enter a new competition. Option two (2) is not supported. If you have selected the wrong working directory then you can exit the programme via Option three (3).

```
*****
*** C A L C U L A T I N G   C/C++-Version 8.1a $\beta - Jan 02 1999  19:55 ***
*** (c) 1986 - 98 by Richard R. Gussmann ***
*****

This directory contains no competition files!
No disk containing competitions files has been inserted!

1. Initialize this disk or directory as the host for
   this championship
2. Change disk
3. Quit Calculating/Roller

Make your choice, please: > <
```

Figure 4.1: The Main Menu Without a Data Base

4.2 Entering Competition Details

The first operation when entering a competition is to input the overall championship event details, which consists of: Championship or event title, venue and date(s). All of these fields are free text fields. All the inputs are finished with a <ENTER>. This step assumes that you have entered a directory without any data files so you are starting a new database.

You are then prompted to select individual competitions within that event, where you enter the name the type, either E (Singles), P (Pairs), T (Dance), G (Groups), F (Formations) or C (CEPA Show). Finally you have to enter the type of event either N (National) or I (International). National indicates German National Rules only, whilst I equates to the CIPA Calculating rules.

The table below gives a summary of these parameters.

Type of Competition		Calculating Rules	
<E>	Singles	<D>	German rules (CIPA 94)
<P>	Pairs	<I>	International Rules (CIPA 94)
<T>	Dance	<L>	National rules (CIPA 87)
<G>	Groups	<J>	International rules (CIPA 87)
<F>	Formation	<W>	WOK 85 (WOK 89)
<C>	CEPA-show		

You can change the event calculation rules from within the Special Administrations Menu if you require. You can also add further competitions from this menu option.

An example for entering different competitions is shown below:

>>>

Roller - Championship setup!

<<<

>>>

<<<

Event

:

Campeonato Mundial de Patinaje Art stico

Venue

:

Santafe de Bogota - Colombia

Date

:

3 al 15 Noviembre de 1998

Figure 4.2: Entering different Competitions (1)


```
-----
>>>                      Roller - Championship setup!                      <<<
>>>                                                                <<<
-----

Input the competitions:

The field selects the type of this competition.
(E = Single, P = Pairs, T = Dance, G = Groups,
 F = Formations, C = CEPA Show)

The field selects the type of the championship,
i.e. the method of calculating the competition.
National means the German federation RS rules.
(D = German, I = international (C.I.P.A.))

No  Competition                                Kind      Type
  1  Senior Ladies                             Single     international (CIPA 94)
Correct [YN](Y)
```

Figure 4.3: Entering different Competitions (2)

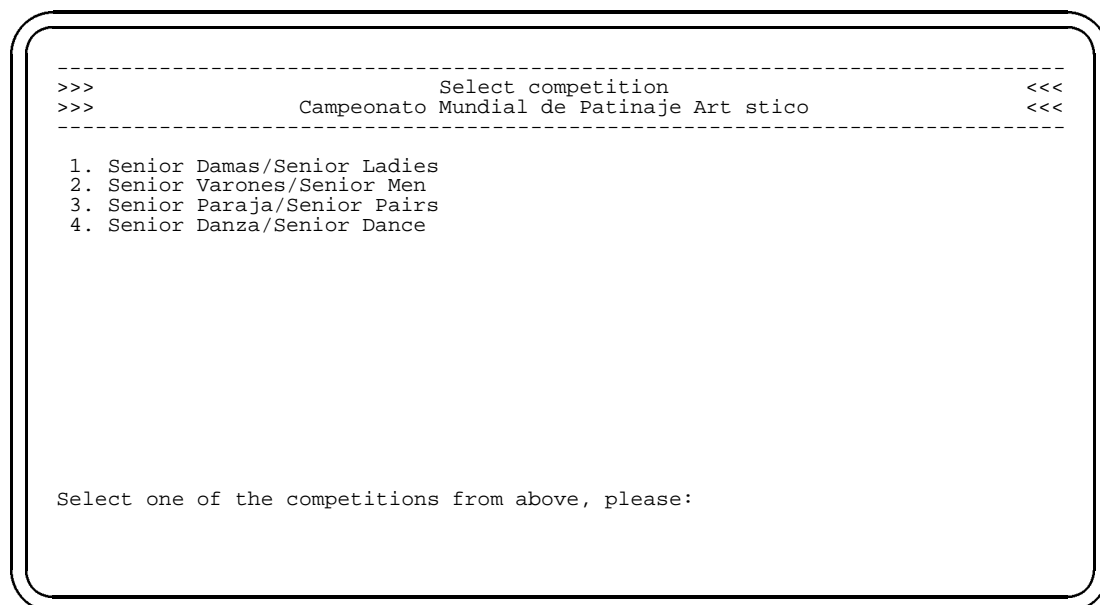
4.3 Selecting Competitions

Menu Guide Here

4.3.1 Selecting the first Competition

The calculation programme can work with either one or two competitions simultaneously. You can if there are data files there select one or two from the list by using the option <6> (Select Competition) from the main menu.

The selection can be stopped with pressing the <ESC> key if required. The screen display below shows the selection of the first competition.



```
>>>                                Select competition                                <<<
>>>                                Campeonato Mundial de Patinaje Art stico          <<<
-----
1. Senior Damas/Senior Ladies
2. Senior Varones/Senior Men
3. Senior Paraja/Senior Pairs
4. Senior Danza/Senior Dance

Select one of the competitions from above, please:
```

Figure 4.4: Selecting the first Competition

4.3.2 Selection of the second competition

After selecting the first competition the programme will ask if you want to work with another one. If the answer is No <n>, the first competition will be loaded. If the answer is Yes <y>, you have to enter the number of the next required competition.

```
-----
>>>                               Select competition          <<<
>>>                           Campeonato Mundial de Patinaje Art stico   <<<
-----

1. Senior Damas/Senior Ladies
2. Senior Varones/Senior Men
3. Senior Paraja/Senior Pairs
4. Senior Danza/Senior Dance

Select one of the competitions from above, please: 1
Process another competition simultaneously [YN](Y)
```

Figure 4.5: Selecting the second Competition

4.4 Competition Administration

menu guide here

If you are working with more than one competition you will have to select the correct competition to administer when you enter Option <1> (Administration) If you are only working with a single competition you will enter the administration menu directly. The administration menu gives you the options shown below:

```
-----
>>>                Administration                <<<
>>>                Senior Damas/Senior Ladies      <<<
-----

1. Banner on the sheets
2. Input competitor
3. Change competitor
4. Delete competitor
5. Temporarily remove competitor
6. Input skating order
7. Competition components
8. Compulsory figures/dance and starting feet
9. Input or change judges

<ESC> Back to the last menu

Make your choice, please: > <
```

Figure 4.6: Administration Menu

In this menu you can switch between two competitions by pressing the <F2> key if required. The active competition is shown in the status lines at the top of the screen. If this is the first time that the menu has been entered then there are a number of options highlighted with a (!), these options have to be completed before progressing into the entering of marks etc. Once they have been entered then the (!) character will be switched off, thus indicating that the option has been entered.

All of the menu options are discussed below

4.4.1 Banner on Sheets 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:

- Event
- Date
- Venue
- Competition Name

These fields being free text are entered back onto the data file by using the <ENTER> or <RETURN> keys. If you just enter the existing value it will not be altered and you will be pass onto the next value or returned to the administration menu with the displayed values stored onto the data file.

This menu option only needs to be called up if you wish to change the values.

4.4.2 Input Competitor Option

menu guide here

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 combination can be calculated. 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 headings at the top are not repeated for each skater entered. You are however asked to confirm your entry is correct before proceeding to the next skater's input.

The number automatically entered on the left hand side of the screen is the competitors number, this number will be needed if you wish to modify any of the entered details. A printout of the skaters and their competitors number is available if required from the print lists menu.

All of the values are stored by using the <ENTER> or <RETURN> keys. The default value for the confirmation is <Y> so entering a return will progress to the next entry.

Once you have entered all the skaters then you enter a <RETURN> without any name entered and the programme will return you to the previous menu (Administration).

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

Table 4.1 shows the fields that can be entered for each of the different competition types.

As the table shows the values that you can enter differ depending upon the competition type. All of the text lines in the entering competitors section can be edited by using a series of control or function keys, these are detailed in the table 4.2.

```

-----
>>>                               Input competitors - max. 96                               <<<
>>>                               Senior Damas/Senior Ladies                               <<<
-----

      First name and surname                                Nation
1  Elke Dederichs                                         GER
Correct [YN](Y)

```

Figure 4.7: Input Competitors

Type	No of Fields	Field Contents
Single	1	Competitor, Club or Nation Abbreviation
Pairs	2	Male Partner, Club or Nation Abbreviation Female Partner, Club
Dance	2	Male Partner, Club or Nation Abbreviation Female Partner, Club
Group	5	Group Name, Club or Nation Abbreviation Name of the first skater, Club Name of the second skater, Club Name of the third skater, Club Name of the fourth skater, Club
Formation	1	Formation Name, Club or Nation Abbreviation
CEPA Show	1	Group Name, Club or Nation Abbreviation

Table 4.1: Contents of the Fields

<Ctrl> + Y	Delete the whole line
<Ctrl> + T	Delete the word right from the cursor
<Ctrl> + G	Delete the character under the cursor
<Ctrl> + H	Delete the character left from the cursor
<BACKSPACE>	Delete the character left from the cursor
<Ctrl> + A	Move a word to the left
<Ctrl> + F	Move a word to the right
<Ctrl> + D	Go one character to the right
<→>	Go one character to the right
<Ctrl> + S	Go one character to the left
<←>	Go one character to the left
<Home>	Go back to the beginning of the line
<End>	Go to the end of the line

Table 4.2: Key Sequence Description

4.4.3 Changing competitors

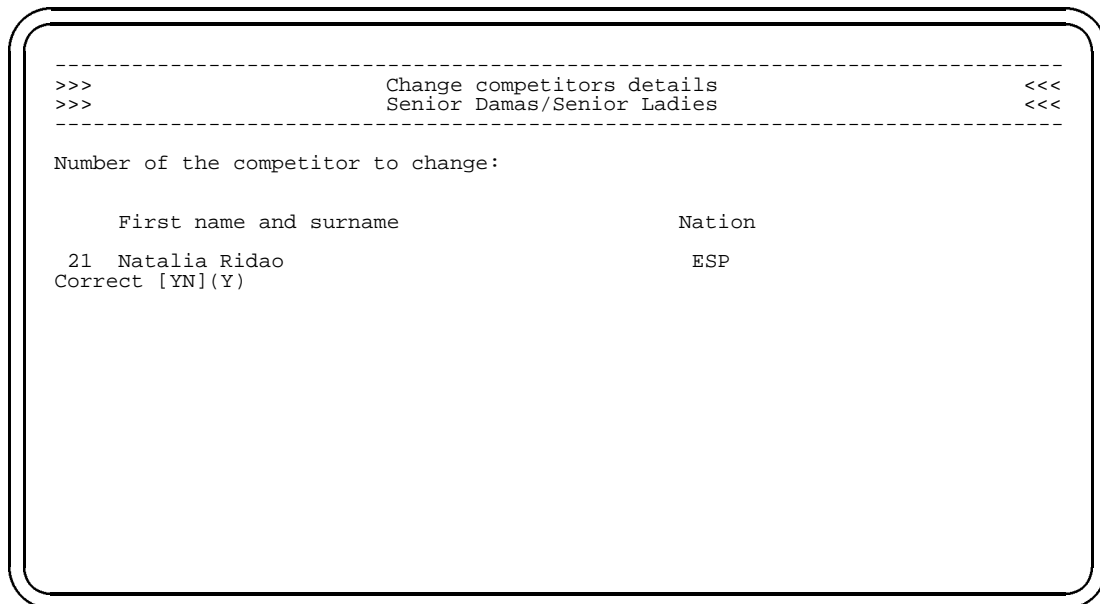
main menu guide here

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, Changing Competitors.

At first you will be asked to enter the number of the competitor, if you don't know his number, look it up on the competitor list, or select the competitor from the list you get with pressing <F3> key.

After you have selected the competitor either from the list or from the competitors number you can edit it as for the input, The same control keys shown in the table above are valid for editing the entered values. Once you have made the required alterations then you press the <ESC> key to return to the main administration menu.

The screen display below shows an example of this operation.



```
>>>                                Change competitors details                                <<<
>>>                                Senior Damas/Senior Ladies                                <<<
-----
Number of the competitor to change:

      First name and surname                Nation
21  Natalia Ridao                          ESP
Correct [YN](Y)
```

Figure 4.8: Change Competitor

4.4.4 Deleting Competitors

menu guide here

It is sometimes necessary to delete a competitor from the list of entered skaters. This is that they have been entered on the list of skaters but are now not going to compete in any part of the event for which they have been entered. You should only use this option before you have entered any marks. Once you have deleted a competitor then you will have to re-enter all the skating orders again for all the parts of the competition.

Once you have entered the menu option then you can either enter their original competitor number or select them from the list of skaters produced by the <F3> key. You are asked to confirm the deletion and then given the option to delete further competitors. Once you have deleted all the required competitors you use the <ESC> key to return to the previous menu.

Once deleted a competitor is removed for ever and the number will be re-used if you add further competitors. Below is an example of the screen display for the Delete Competitor option.

```
-----
>>>                          Delete competitor                      <<<
>>>                          Senior Damas/Senior Ladies             <<<
-----

If you already have input some marks,
you shouldn't call this function!
The result will not follow the rules in this case.

Attention, if you delete a competitor, you have to input the
skating order of all parts of this competition again (!).

Number of the competitor to delete (<F3> for a list):

    29 Sabrina Tomassini                ITA

Should this competitor be deleted? [YN](Y)
```

Figure 4.9: Delete Competitor

4.4.5 Temporarily Remove a Competitor

menu guide here

If a competitor drops out from a competition after it has started, you may wish to withdraw them from taking any further part in the marking etc. This function allows you to do this.

With this function you let the programme know that for this competitor no more marks will be input. So this skater won't be listed any more in the suggestions for mark input. They will still be on the list you get when you enter the <F3> key for listing the competitors.

A skater is listed on the result list for a part of a competition or a combination result, this means that they only get a final result when he has taken part in every section of the competition. With the function Temporarily Remove Competitor, you can't change this. It will only stop the competitor showing up with the mark input suggestion list. The is very important for the Compulsary figures.

Temporarily Removing a Competitor means taking a competitor out of the suggestion list of remove for the mark input

Taking a Competitor out of the grading means not to include a competitor in the final grading even if he received marks before An example of this function is shown below.

```
-----
>>>                               Temporarily remove a competitor          <<<
>>>                               Senior Damas/Senior Ladies                <<<
-----

Number of the competitor to call back:

  23 Laure Bourguinon                FRA
Should this competitor be called back? [YN](Y)
This competitor has be called back.

Number of the competitor to call back:                                23

  23 Laure Bourguinon                FRA
This competitor has already been called back.
Should this competitor be called back? [YN](Y)
This competitor hasn't be called back or
this competitor has be admitted of reskating.

Number of the competitor to call back:
```

Figure 4.10: Temporarily Remove a Competitor

4.4.6 Input Skating Order

Before you can enter the starting order you must first set the competition components and the elements to be skated, these are done under Administration menu options 7 and 8 respectively. Until these details are known then you will not be able to enter this section.

Once these have been entered you can under option 6 input the skating order for each of the competition sections. You are first prompted to enter the section you wish to enter the starting order for. Once this is selected which section of the competition you are entering a starting order for you are given a list of skaters for which you must enter their starting order.

The example below is for a Singles figure and free event, but the principles are the same for each of the event types.

>>>Input skating order - short programme<<<
>>>Senior Damas/Senior Ladies<<<

Input skating order

1 Analia Papa: 28

2 Gabriela Vaudagna: 20

3 Maria Daniela Rodas: 10

4 Carolina Pogliano: <doesn't skate>

5 Maria Eva Giannatass: <doesn't skate>

6 Valeria Martinez: <doesn't skate>

7 Emma Ramsey: 19

8 Jodi Skelton: 8

9 Nicole Cassidy: <doesn't skate>

10 Sara Williams: <doesn't skate>

11 Alisson Keagan: <doesn't skate>

12 Laura Mallard: <doesn't skate>

13 Anna Maria Neira: 4

14 Wendy Annia Hidalgo: <doesn't skate>

15 Sandra Gonzalez: <doesn't skate>

Informations

Figure 4.11: Input Skating Order

If a section of the competition has been entered then you will be asked on which criteria you require the entry order to be listed in, this can be original entry order, original skating order or result order.

The list of skaters the programme brings up is the competitor name, all you have to do is just enter the start number and then press <RETURN>. If you press <ESC> instead of entering the number you abort the procedure and are returned to the previous Administration menu. When all grid numbers are entered you will get back into the Administration menu.

The programme will not accept a number for a starting order if that number has already been entered.

4.4.7 Competition Components

menu guide here

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. The programme will suggest the most likely relationship, but you can over ride this and select one of the other alternates.

If you need to you can enter the multipliers yourself. This function is called Entering different factors and is in the Special Administration Menu option from the main menu

Singles Competitions

>>>

Components/parts of the competition

<<<

>>>

Senior Damas/Senior Ladies

<<<

1. Compulsory figures, short and long programme

2. Compulsory figures and long programme

3. Compulsory figures

4. Short and long programme

5. Long programme

Make your choice, please: > <

Figure 4.12: Competition Components

You must first select the basic make up of the event from the list of possible displayed on the screen dump above. If you select an option with compulsory figures then you will be prompted to enter 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. The screen dump below shows the available options you can enter. If there is not one that suits your requirements then select one that is the closest and use the Special Administrations option to modify the multipliers.

```

>>>          Relation between the single parts of the competition      <<<
>>>          Senior Damas/Senior Ladies                                <<<
-----
You have selected  C o m p u l s o r y   S h o r t   a n d   L o n g
There are four (4) possibilities:

                Compulsory        Short        Long
1. Maximum Score:          80          20          60
   Factors:                2 :          1 :          3
2. Maximum Score:          40          20          60
   Factors:                1 :          1 :          3
3. Maximum Score:          40          10          50
   Factors:                1 :    1 /    2 :    5 /    2
4. Maximum Score:          40          20          40
   Factors:                1 :          1 :          2

Make your choice, please: > <

```

Figure 4.13: Relations between various Sections

Roller Dancing

At first the elements of the competition can be selected if Compulsory dances have been selected, then the programme will ask for the number of Compulsory dances to be skated.

The screen dump below shows an example of this screen display.

```
>>>          Components/parts of the competition          <<<
>>>          Senior Danza/Senior Dance                    <<<
-----
1. Compulsory dance, O.S.P. and free dance
2. Compulsory dance and free dance
3. Free dance

Make your choice, please: > <

Number of compulsory dances: 2
```

Figure 4.14: Relations between various Sections

The relation at competitions between Compulsory dances and free dance, is set on a ration of 50:50. At competitions with Compulsory dance, O.S.P. and free dance depends on the relation between the elements on the national or international rules. You can use the programme for each of these cases.

The requested relations can be selected from the list of possible variants shown in the screen display below. The following table also shows the available relationships.

Number of Compulsaries Multipliers Max Score (6.0) Max Score (10)

3 1:1: 5/2 18:12: 30 30:20: 50

3 1:1/2: 2 18:6: 24 30:10: 40

3 1:1: 3/2 18:12: 18 30:20: 30

3 1:3/2: 3/2 18:18: 18 30:30: 30

2 1:1: 2 12:12: 24 20:20: 40

2 1:1/2: 3/2 12:6: 18 20:10: 30

2 1:1: 1 12:12: 12 20:20: 20

```

-----
>>>          Relation between the single parts of the competition      <<<
>>>          Senior Danza/Senior Dance                                <<<
-----

  F r e e      You have selected  C o m p u l s o r y  d a n c e  O . S . P .  and
    D a n c e
    There are four (4) possibilities:

                                Comp. dance      O.S.P.      Free dance
1. Maximum Score:              20              20              40
   Factors:                    1 :              1 :              2
2. Maximum Score:              20              10              30
   Factors:                    1 :      1 /      2 :      3 /      2
3. Maximum Score:              20              20              20
   Factors:                    1 :              1 :              1
4. Maximum Score:              20              20              20
   Factors:                    1 :              1 :              1

Make your choice, please: > <

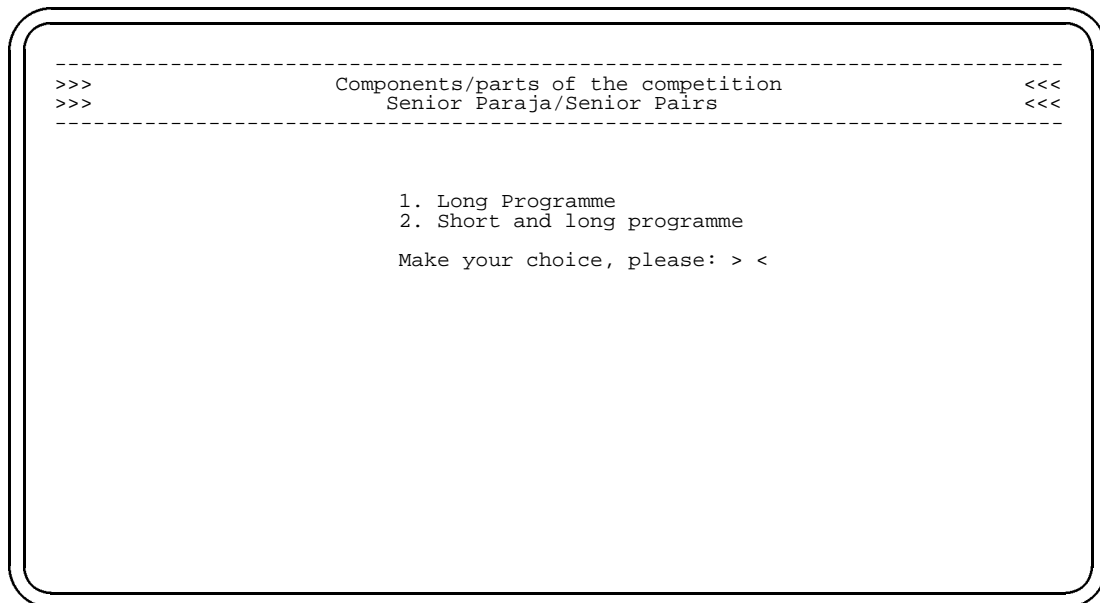
```

Figure 4.15: Relations between various Sections

Pair Skating

For pair skating you only have a long free skating competition or a competition with a short and long free skating programme the relationship between the short programme and long programme is set to 1:3 (Max scores: National: 12:32 - international: 20:60)

An example screen display is shown below:



```
>>> Components/parts of the competition <<<
>>> Senior Paraja/Senior Pairs <<<
-----
1. Long Programme
2. Short and long programme
Make your choice, please: > <
```

Figure 4.16: Relations between various Sections

Group Skating

For group skating it's enough to call up this function and all the headed parameter are being set without that you have to do anything else.

Formation Skating

Same as explained above!

CEPA Show

Same as explained above!

4.4.8 Compulsory Elements

menu guide here

This menu option is called Compulsory figures / dance and starting feet. Obviously only starting feet are used for compulsory figures. These can take the value of <R> for right or <L> for left.

The numbers for each figure and dance is shown in the table in appendix B. If you do not have the correct figure or dance then you may if you wish add them to the ROLLER . INI file. Instruction on how to do this is given in Appendix C.

```
-----<<<
>>>          Input the figure numbers and the starting feet          <<<
>>>          Senior Damas/Senior Ladies                               <<<
----->>>

Input the numbers of the compulsory figures and the starting feet
Figur No.  1 : 20
- starting feet (<r>, <l>):  right : Rockers RFO
Figur No.  2 : 37
- starting feet (<r>, <l>):  left  : Para Dble Threes LBO
Figur No.  3 : 38
- starting feet (<r>, <l>):  right : Para Loops RFO
Figur No.  4 : 41
- starting feet (<r>, <l>):  left  : Para Brackets LBO
System is waiting - press <ESC>!
```

Figure 4.17: Figure Numbers and Starting Feet

If you don't wish the numbers of compulsory figure to come up, you can stop this by entering nil (0) for numbers of compulsory figures.

4.4.9 Input or Change Judges

menu guide here

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

4.4.10 Number of the judges

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.

If the number of judges is less than nine then there is also an option to enter the name of the calculator.

Taking over the panel from a different competition

The panel from another competition can be used for your current competition, in order to do this the following steps must be followed.

1. Selecting the function "Input or Change Judges"
2. The cursor stands with the name of the referee
3. The name field needs to be empty or deleted (use the keys <ctrl> + <y>)
4. Press the key <F3>, like this the take over of the jury is being started
5. Selecting a competition from which the panel is to be used
6. Confirm the selection
7. At the take over you get back into the menu Administration, the details of the selected jury have been taken over.
8. If you don't want this selected panel the programme stops with entering the name of the referee. The whole procedure can then be repeated and the names can be entered manually.

```

>>>                               Judges                               <<<
>>>                               Senior Damas/Senior Ladies          <<<
-----
Referee                               Nation
Camillo Martini                       CIPA
Assistant                             Nation
Lorraine Norton                       CIPA

Number of judges:                      7

No  Judge                               Nation
1  Carole Mould                         GBR
2  Gre Groot                           NED
3  Edith Figueiredo                     BRA
4  Leigh Neil                           NZL
5  Hector Rios                          COL
6  Ana Luduena                          ARG
7  Alessandro Camaeti                   ITA

Calculator                             Nation
Kevin Robinson                         CIPA

```

Figure 4.18: Input or Change Judges

4.5 Mark Input

menu guide here

If you are working with two competitions simultaneously then you must first select the required competition that you wish to input the marks. Once this has been done then you have to select the part of the competition that you wish to enter the marks. If you have already entered this section you may still return to that section and review and or re-enter the marks for any number of competitors.

In the screen dump below an example of a mark input top level menu for a single competition is shown. The options discussed are those of the NEW mark input options only, along with the options selection.

```
-----
>>>                               Mark input                               <<<
>>>                               Senior Damas/Senior Ladies                <<<
-----

      1. Compulsory figures
      2. Compulsory closed scoring
      3. Short programme
      4. Long programme
      5. Options
      6. (NEW) Mark Input Compulsory
      7. (NEW) Mark Input Short Programme
      8. (NEW) Mark Input Long Programme

<ESC> Back to the last menu

      Make your choice, please: > <
```

Figure 4.19: Mark Input

4.5.1 Suggested Competitor Option

Whilst entering marks for competitors the program prompts you with the next competitor or competitors, the default option is to accept this competitor(s), if you wish to enter a different competitor then you must enter their competitor number, if this is not known then you use the <F3> option which will display a list of all the competitors that you can select by highlighting, movement up and down the list is via the <↑> and <↓> keys. The suggested competitor(s) given by the program follow the entered starting order.

Where a compulsory element is also required then the program will suggest this also, and you can either accept this or enter a different value.

```

>>>                                Mark input compulsory                                <<<
>>>                                Senior Damas/Senior Ladies                            <<<
-----
Competitor   : 15  Sandra Gonzalez                                COL
Comp. figure : 4
Competitor No:

<ESC> Cancel  <CR> Enter  <F3> Select Comp.  <F4> ISS  <F5> Result  <F6> TOVs

```

Figure 4.20: Suggested Competitor Option

The screen dumps below show an example of a competitor suggestion as well as a list option to select a competitor(s).

This example shows the suggestion of a skater, along with the respective competitor number. The next line shows the number of the compulsory figure (4). On the next two lines the actual entry of the competitor number and the number of the compulsory element (this is not shown). Pressing the <RETURN> key will select the suggested competitor

4.5.2 Entering Scores

The marks are simply entered as numbers, with no need to enter the decimal points, scores are entered between 0.1 and 10.0 if you wish to enter a a number less than 1.0 then you must enter these as 0.n where n is a number between 0 and 9, the same is necessary if you wish to enter 10.0 which must be entered as such. The screen display below gives an example of the a screen entry.

When entering marks for elements that have two marks (the A and B mark) then the programme requires you to enter all the A scores first and then the B scores. You can then use the editing keys from the previous table to move the cursor around the grid and alter the scores if required.

If you are entering scores for a competitor that has already been entered then the programme will advise you of the already have entered scores, and that you are altering these scores.

You enter the scores when they are all entered by the <RETURN> key.

>>>
Mark Input Long Programme
<<<

>>>
Senior Damas/Senior Ladies
<<<

Competitor : 38 Patricia Houle
USA

GBR	NED	BRA	NZL	COL	ARG	ITA
,	,	,	,	,	,	,
,	,	,	,	,	,	,

Figure 4.21: Entering Scores

NOTE Because of the differences between the various methods of calculating a result the major areas concerning mark input is covered below.

German National Special features Valid marks are from 0.0 to 6.0. Is the first digit a six, so the second number only can be a nil and no other number can be entered. If you have made a mistake with the <6> you have to correct this number <6> at first, only after this you can enter the second number.

International Special Features Within the CIPA international competitions the marks are from 0.0 to 10.0. If the the marks lay between 2.0 and 9.9 you only have to enter two numbers (for example mark 7.2, the numbers <7> and <2>). The programme will add the leading 0 itself. Is the first number is a one, then the second and third numbers can only be a 0, no other number can be entered. Was entering the <1> as a mistake, you need to change this to a zero (0) before entering anymore numbers.

When all competitors marks have been entered correctly, you store them on the data file by pressing the <RETURN> key, the program store all the marks. When you are working on two competitions you can choose the key <F2> to switch between the two competitions.

4.5.3 Editing the Entries

The screen for the input of marks can be edited if you have made a mistake or wish to re-enter any of the marks again. The table below shows the keys that allow you to edit the already entered marks.

Key Function

<ESC> Aborting mark input
<CR> Ending mark input
<↑> Moving the cursor up
<↓> Moving the cursor down
<→> Moving the cursor to the right
<←> Moving the cursor to the left
<home> Going to the first mark in that line
<end> Going to the last mark in that line
<CTRL-Y> Deleting all the marks in that line
<ALT-Y> Deleting all that marks in all lines

These editing keys will operate on the new screen layout only.

4.5.4 Other Function Keys

As well as the keys already discussed the following additional functions are available to the user when entering competitors marks

Selecting the Competitor

You can select the competitor by entering the <F3> function key if you do not wish to accept the program suggestion. This will give you a display of all of the competitors which you can use the navigation keys to accept the required skater. The skater you wish to select will be highlighted in displayed list.

>>>
Mark Input Long Programme
<<<

>>>
Senior Damas/Senior Ladies
<<<

Select competitor

Comp

Comp

1 Analia Papa
2 Gabriela Vaudagna
3 Maria Daniela Rodas
4 Carolina Pogliano
5 Maria Eva Giannatass
6 Valeria Martinez
7 Emma Ramsey
8 Jodi Skelton
9 Nicole Cassidy
10 Sara Williams
11 Alisson Keagan
12 Laura Mallard
13 Anna Maria Neira
14 Wendy Annia Hidalgo
15 Sandra Gonzalez

<ESC> Cancel <CR> Select < > Line Up < > Line Down < > Pg Up < > Pg Down

Figure 4.22: Select Competitor for Mark Input

Getting the Individual Skaters Scores

You can get the skaters individual scores by using the <F4> function key before selecting the skater. the display gives all the scores for the skaters which you can use the <page up> and <page down> keys to move through the skaters in the event.

The following screen display shows a typical layout for a singles event.

```
-----
>>>                               Mark overview                               <<<
>>>                               Senior Damas/Senior Ladies                     <<<
-----
1  Analia Papa                               ARG

Comp-fig 1: - : 0 : 0 : 0 : 0 : 0 : 0 : 0 = 0
Comp-fig 2: - : 0 : 0 : 0 : 0 : 0 : 0 : 0 = 0
Comp-fig 3: - : 0 : 0 : 0 : 0 : 0 : 0 : 0 = 0
Comp-fig 4: - : 0 : 0 : 0 : 0 : 0 : 0 : 0 = 0
Short A   : + : 71 : 71 : 72 : 75 : 72 : 73 : 73 = 507
Short B   : + : 73 : 70 : 72 : 72 : 70 : 71 : 72 = 500
Long A    : + : 78 : 76 : 79 : 75 : 76 : 82 : 82 = 548
Long B    : + : 78 : 73 : 77 : 74 : 74 : 81 : 80 = 537

Sum Comp  : - : 0.000: 0.000: 0.000: 0.000: 0.000: 0.000: 0.000= 0.000
Sum Short : + : 14.400: 14.100: 14.400: 14.700: 14.200: 14.400: 14.500= 100.700
Sum Long  : + : 15.600: 14.900: 15.600: 14.900: 15.000: 16.300: 16.200= 108.500
Sum Co+Sh : - : 14.400: 14.100: 14.400: 14.700: 14.200: 14.400: 14.500= 100.700
Sum Sh+Lo : + : 61.200: 58.800: 61.200: 59.400: 59.200: 63.300: 63.100= 426.200
Sum Total : - : 61.200: 58.800: 61.200: 59.400: 59.200: 63.300: 63.100= 426.200
Sum Lo * 3: + : 46.800: 44.700: 46.800: 44.700: 45.000: 48.900: 48.600= 325.500
Sum Co * 2: - : 0.000: 0.000: 0.000: 0.000: 0.000: 0.000: 0.000= 0.000
```

Figure 4.23: Individual Skaters Scores

Getting the Current Result

The current result can be displayed by using the <F5> key, returning to the mark input screen is by using the <ESC> key.

```
-----
>>>                               Mark Input Long Programme          <<<
>>>                               Senior Damas/Senior Ladies          <<<
-----
--                               View                                     --
Co Senior Damas/Senior Ladies
Co Resultado Programa Largo / Result Long Programme

Co  Nombre                     Naci n   M.V.   Puntos   (k)(@7c) Regla
    1 Cristina Bartolozzi      ITA     28.0   133.600   0 1900
    2 Heather Mulkey           USA     27.0   132.100   0 1870
    3 Sabrina Tomassini        ITA     26.0   130.100   0 1820
    4 Elke Dederichs           GER     25.0   128.500   0 1760
    5 Natalia Ridao            ESP     24.0   125.200   0 1580
    6 Patricia Houle           USA     23.0   126.400   0 1595
    7 Maria Daniela Rodas      ARG     22.0   125.300   0 1595
    8 Laure Bourguignon        FRA     21.0   124.800   0 1540
    9 Autum Kawahara           USA     20.0   121.  0    0 1390
   10 Laura Sanchez            ESP     19.0   120.600   0 1360
   11 Rita Falcao              POR     18.0   114.700   0 1095
   12 Simone Giannellini       ITA     17.0   115.300   0 1125
   13 Nicole Muller            FRA     16.0   112.200   0  960
   14 Anna Maria Neira         COL     15.0   112.700   0 1030
   15 Catia Carril             POR     14.0   110.100   0  925

<ESC> Cancel  < > Line Up  < > Line Down  <Pg > Page Up  <Pg > Page Down
```

Figure 4.24: Getting the Current Result

Getting the Current Table of Victories

The current table of victories can be displayed by using the <F6> key, returning to the mark input screen is by using the <ESC> key. If the table of victories is too large to display on the screen then you can use the navigation keys to move the display window around the view.

4.5.5 Mark Input Formation Skating

There are two different ways for the mark input for the formation skating. You can enter A and B marks. Also place marks can be entered. The entry of marks happens in the menu Mark Input with calling up the function Mark Input Short Programme or Mark Input Long Programme. For the entry of the place marks are the functions Place marks Short Programme and Place marks Long Programme available.

```

>>>                                Mark Input Long Programme                                <<<
>>>                                Senior Damas/Senior Ladies                                <<<
--                                View                                --
Cuadro de victorias Programa Largo / Table of Victories Long Programme

      37 17 47 46 19 36 50   2 44 48   1   7 35 13 34   8 30 22 14 2

Zhao Qiuping I  -   0 10 10 40 20 70  0  0  0  0  0  0  0  0  0  0  0
Hsu Yi-Ying I  70  -  20 20 40 40 70  0  0  0  0  0  0  0  0  0  0  0
Nina Grilj I  60 50  -  30 70 60 70  0  0 20 10  0  5  0  5 20  0  0  0
Laura Orlan I  60 50 40  -  70 55 70  0  0 30 20 10  0  0 10 20  0 10  0
Sun Hsing-Yi I 30 30  0  0  -  30 70  0  0  0  0  0  0  0  0  0  0  0
Zhuang Lin I  50 30 10 15 40  -  70  0  0 10  0  0  0  0  0  0  0  0
Xochizeltzin I  0  0  0  0  0  0  -  0  0  0  0  0  0  0  0  0  0  0
Gabriela VaudI 70 70 70 70 70 70 70  -  30 40 30 30 10  0 10 35  5 20 10
Ana Claudia II 70 70 70 70 70 70 70 40  -  40 30 30 10 10 20 30 10 20  0
Guisella OsorI 70 70 50 40 70 60 70 30 30  -  40 30 10  0 10 20 10 20 10
Analia Papa I  70 70 60 50 70 70 70 40 40 30  -  40 10 20 20 30 10 10 10
Emma Ramsey I  70 70 70 60 70 70 70 40 40 40 30  -  10  0 20 30 10 10 10
Rita Falcao I  70 70 65 70 70 70 70 60 60 60 60 60  -  50 40 50 50 50 1
Anna Maria NeI 70 70 70 70 70 70 70 70 60 70 50 70 20  -  50 60 10 30 50
Catia Carril I 70 70 65 60 70 70 70 60 50 60 50 50 30 20  -  50 10 30 40

<ESC> Cancel  < > Line Up    < > Line Down  < > Move Left  < > Move Right

```

Figure 4.25: Getting the Current Table of Victories

4.6 Changing Competition Details

The menu option changing competition details contains functions allow the user to modify the settings of the competition data file.

When working with the two competitions at the same time, you have to first select the competition you wish to operate with.

The options available to you are.

- Changing the Type of Event
- Taking a competitor out of the result
- Re-Calculating the results
- Setting event factors
- Setting special options
- Type of competition
- Adding further competitions
- Adding and deleting abbreviations
- Entering a Skating Order (New Version)

4.6.1 Changing the Type of Event

With this option you can change the type of competition that you have selected, the type of competition sets the form of the program operation and the subsequent result calculation.

The type of competition is set when you first enter the events details and this option will allow you to correct a wrongly entered competition type.

The available options are:

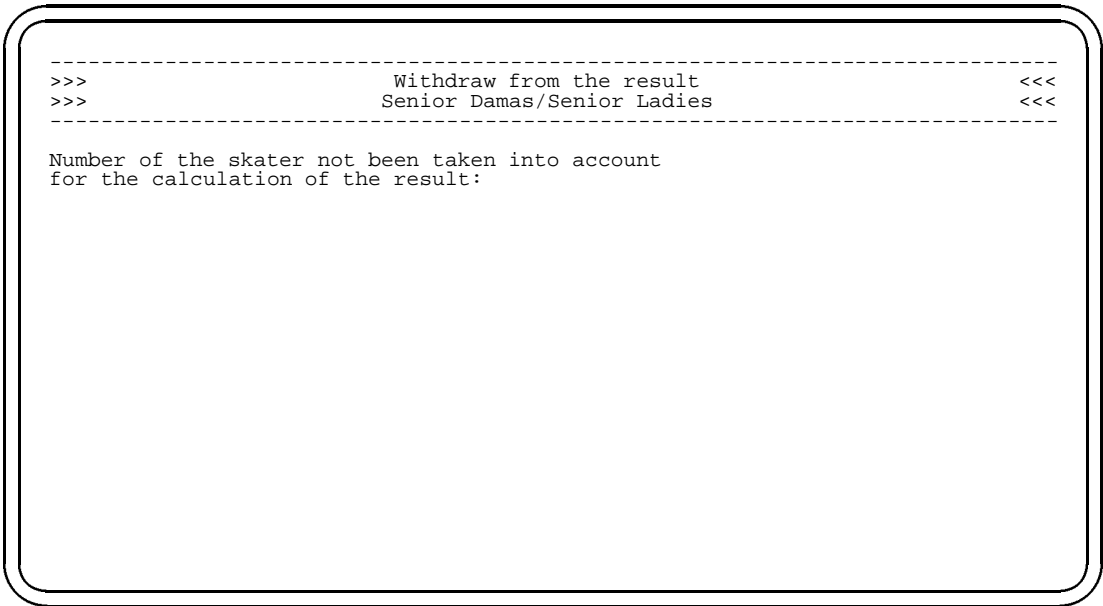
- S Single competitions
- P Pairs competitions
- D Dance competitions
- G Competitions for groups of four
- F Competitions for formation
- C CEPA show

After the change has been undertaken then the competitions elements and the relation between the sections have to be set up again in the menu Managing Competition Details with the function competition elements.

4.6.2 Removing competitors from the event

This function contains the following steps:

- Establishing and entering the Competitors Number.
- Selecting which part of the competition you wish to remove the competitor.
- Confirming the withdrawal, along with providing an explanation.
- Exiting the function.
- Re-Calculate the results.



```
>>> Withdraw from the result <<<
>>> Senior Damas/Senior Ladies <<<
-----
Number of the skater not been taken into account
for the calculation of the result:
```

Figure 4.26: Removing Competitor from the Event (1)

```
-----<<<
>>>          Withdraw from the result          <<<
>>>          Senior Damas/Senior Ladies        <<<
-----

  5 Maria Eva Giannatassio          ARG

For which part of the competition the skater should not been
taken into account?
  1. Compulsory figures
  2. Short programme
  3. Long programme
  4. Compulsory and short programme
  5. Free programme (short and long)
  6. Combination

<ESC> Back to the last menu

Make your choice, please: > <
```

Figure 4.27: Removing Competitor from the Event (2)

```
-----<<<
>>>          Withdraw from the result          <<<
>>>          Senior Damas/Senior Ladies        <<<
-----

  5 Maria Eva Giannatassio          ARG

Should this competitor be removed from the calculation of the results? [YN](Y)
```

Figure 4.28: Removing Competitor from the Event (3)

```

>>>                                Withdraw from the result                                <<<
>>>                                Senior Damas/Senior Ladies                            <<<
-----
5 Maria Eva Giannatassio            ARG

      Reasons for the withdrawnes

      1. Withdrawn
      2. <reserved>
      3. <reserved>
      4. Disqualified
      5. Not in official results
      6. No more fun
      7. No information provided
      8. <reserved>
      9. Injured

      Make your choice, please: > <

```

Figure 4.29: Removing Competitor from the Event (4)

```

>>>                                Withdraw from the result                                <<<
>>>                                Senior Damas/Senior Ladies                            <<<
-----
5 Maria Eva Giannatassio            ARG

      Reasons for the withdrawnes

      1. Withdrawn
      2. <reserved>
      3. <reserved>
      4. Disqualified
      5. Not in official results
      6. No more fun
      7. No information provided
      8. <reserved>
      9. Injured

      Make your choice, please: > <
The competitor has been withdrawn from the calculation of the result.
System is waiting - press <ESC>!

```

Figure 4.30: Removing Competitor from the Event (5)

4.6.3 Re-Calculating the Result

This function allows the user to re-calculate all the results. The program first calculates all the sums and then the results.

This function must be used when a competitor has been taken out of the result even if they have received all the needed marks.

Other Reasons for calling up this function could be:

- The number of judges has changed;
- Deleting the competitor;
- Changing the procedure of calculating the results;
- Correction of the multicators;
- Taking the competitor out of the grading.

4.6.4 Changing the Factors

If the automatic setting of the factor for the event elements is not correct for that event then the program can change the factors by using this option. For the Factors the numbers from nil (0) through to ten (10). For the divisors only the numbers one (1) two (2) and four (4) are allowed. If there is no divisor then you should enter one (1).

```
-----
>>>                               Input the factors                               <<<
>>>                               Senior Damas/Senior Ladies                       <<<
-----

You can input only the factors for the competition sections
which has been selected.

You have to input a multiplier and a divisor. The only valid
values for the divisor are 1, 2, 4, 5 and 10.

Compulsory figures
    multiplier    2
    divisor       1

Short programme
    multiplier    1
    divisor       1

Long programme
    multiplier    3
    divisor       1
```

Figure 4.31: Changeing the Factors

4.6.5 Setting Special Options

The program can be set to a certain point for each user. The options available from this menu option.

You are advised to enter the options before entering the competitors names to avoid double entries etc,

- Results with B marks;
- Club Description;
- Name of the calculator;
- Starting grid list with results;
- Starting grid list with jury.

The menu is displayed below:

```
-----
>>>          Toggle special options          <<<
>>>          Senior Damas/Senior Ladies      <<<
-----

      1. Force result with B-marks
      2. Extra field for association
      3. Name of the calculator
      4. Skating order with results
      5. Skating order with list of judges

<ESC> Back to the last menu

      Make your choice, please: > <
```

Figure 4.32: Setting Special Options

Results with B-Marks

With this option the method of calculating the results can be changed. On the table of majorities the B-marks are used to solve ties when judges have them tied.

In 1991 in Darmstadt at the German Championships a mistake was being made. With help of this function it was possible to search and correct this mistake.

```
>>>      Result combination uses B marks to break (individual) ties      <<<
>>>      Senior Damas/Senior Ladies                                     <<<
-----
```

During the calculation of the final result
the B-Marks are usually not used. If you toggle
this flag on, the B marks will be used during
the building of the table of victories

If this flag is toggled on, then the result will
no longer conform to the rules of the WOK or the
CIPA System of Scoring.

This function is deactivated.
Shall we use B marks? [YN](Y)

Figure 4.33: Result with B-Marks

Club Descriptions

The abbreviations for the Club/Association or Nation can be used on the output printout in either long or short format. This function can be used to toggle the use of these names.

It is advisable to activate this function before you start the entry of the competitors.

```
>>>          Name of Association          <<<
>>>          Senior Damas/Senior Ladies  <<<
-----
```

If required as well as the club name you may also print
the name of the association on some sheets.

This function is deactivated.
Switch this function on? [Y/N](Y)

Figure 4.34: Club Descriptions

Name of the Calculator

On the result output it is possible to display along with the names of the Referee and Judges the name of the calculator. If you do not wish to display the name of the calculator then you can switch off the display of the calculator name by using this option.

If you wish to re-activate the display of the calculator name then this is also done by using this option.

```
-----
>>>                          Name of the calculator          <<<
>>>                          Senior Damas/Senior Ladies       <<<
-----

Additionally the calculator's name can be added on some lists
beside the name of the referee and their assistant.

You can toggle this feature here.

This function is activated.
Shall we print the name of the calculator on sheets? [YN](Y)
```

Figure 4.35: Name of the Calculator

The name of the calculator is entered onto the data file when the panel of judges is seven or less, if there are nine judges then the name of the calculator is not displayed and the use of this function has no effect.

The default option is to display the name of the calculator when it has been entered.

Starting List with Judges

It is possible to print a list of competitors in skating order and append to this list the panel of judges for thaht event.

```
>>>                Skating Order with Panel                <<<
>>>                Senior Damas/Senior Ladies                <<<
-----
```

Additionally you can print the judges panel with
the skating order

This function is activated.
Add the judges panel to the skating order? [YN](Y)

Figure 4.36: Starting list with Judges

Extending Starting List

On printed lists of the starting order for a single element of an event you can add placemarks from other sections of the competition that have been completed. You can toggle this feature with this menu option.

>>>Extended Skating Order Lists<<<
>>>Senior Damas/Senior Ladies<<<

On the skating order sheets you can add the results
from other parts of the competition.

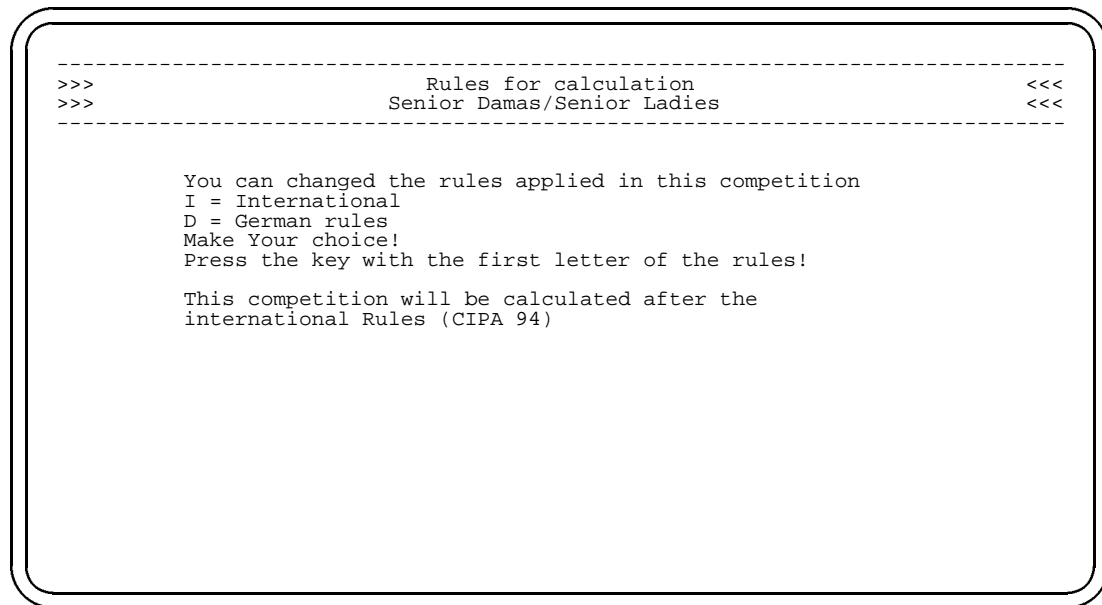
This function is deactivated.
Print the other results on skating order sheets? [YN](Y)

Figure 4.37: Starting list with the Placements

4.6.6 Type of Competition

This option is used to change the type of competition that is being calculated. This will also allow you to change the rules for calculating the result (International or National).

Currently there are five different ways to calculate the results available. These are detailed in the section on "Entering Competition Details".



```
>>> Rules for calculation <<<
>>> Senior Damas/Senior Ladies <<<
-----

You can changed the rules applied in this competition
I = International
D = German rules
Make Your choice!
Press the key with the first letter of the rules!

This competition will be calculated after the
international Rules (CIPA 94)
```

Figure 4.38: Rules for Calculation

4.6.7 Adding Additional Competitions

If after entering the original competitions you wish to enter an additional event or events to the database, then this can be done via this option. If you select this option and not enter an additional event then the program is terminated.

```
-----
>>>                      Roller - Championship setup!          <<<
>>>                                                                <<<
-----

Event      : Campeonato Mundial de Patinaje Art stico
Venue      : Santafe de Bogota - Colombia
Date       : 3 al 15 Noviembre de 1998
```

Figure 4.39: Entering different Competitions (1)

```
-----
>>>                      Roller - Championship setup!                      <<<
>>>                                                                <<<
-----

Input the competitions:

The field selects the type of this competition.
(E = Single, P = Pairs, T = Dance, G = Groups,
 F = Formations, C = CEPA Show)

The field selects the type of the championship,
i.e. the method of calculating the competition.
National means the German federation RS rules.
(D = German, I = international (C.I.P.A.))

No  Competition                                Kind      Type
  1  Senior Ladies                             Single     international (CIPA 94)
Correct [YN](Y)
```

Figure 4.40: Entering different Competitions (2)

4.6.8 Resolving and Completing Abbreviations

The club names with four letter, often have been criticised in the past, but agents from the DRB thought that the four letter abbreviations for the club name would be enough. If preferred the letter names can be replaced for longer ones on certain lists (starting grid list and result list). Those longer names are being central collected and stored in the file `ROLLER.ABK`. The file `ROLLER.ABK` must be in the actual directory which is in the DOS-Environment-Variables `PATH` or in the directory, on which Environmental-variables `ROLLER_HOME` shows. Normally the directory is `C:\ROLLER`.

If no file `ROLLER.ABK` exists, so the programme can create a new file on command. This new file will be in the actual directory. I advise you if this file is to be used for further competitions, to copy it onto the directory `C:\ROLLER`.

The file `ROLLER.ABK` can contain up to 512 different club names and their abbreviations.

Preparing the Competition

For the preparation for a competition there is no change, the names of the competitors and the club descriptions (4 letters) are being entered. The abbreviations are being selected in a way so that the reader can easily associate between abbreviation and club description.

Entering the Longer Club Names

At this point, the programme doesn't know yet which abbreviations are being used. In the menu `Classifying Abbreviations to Club names`, is the function searching for unclassified abbreviations to find. This function searches the database of the actual competition for not known abbreviations and marks these. All the now known long club names are being marked this way automatically see after a following step the still missing ones can be entered with the function `Completing Abbreviations`.

So the second step is the search for unknown abbreviations.

Are all the abbreviations known nothing else is to do. But if some club names are missing, they have to be entered. For this the menu `Reorganising Dates`, the sub-menu `completing and dissolving abbreviations` is called up. This menu is shown on picture 5.47.

In the function `Completing Entries`, the missing club descriptions can be entered. The correct spelling is important for the entries. In a case of emergency, an incorrect entry can be changed with the function.

Searching and changing entries; For this, it is needed to enter the short club's name.

After this the changed database must be stored with the function `Storing Entries`.

Summing Up

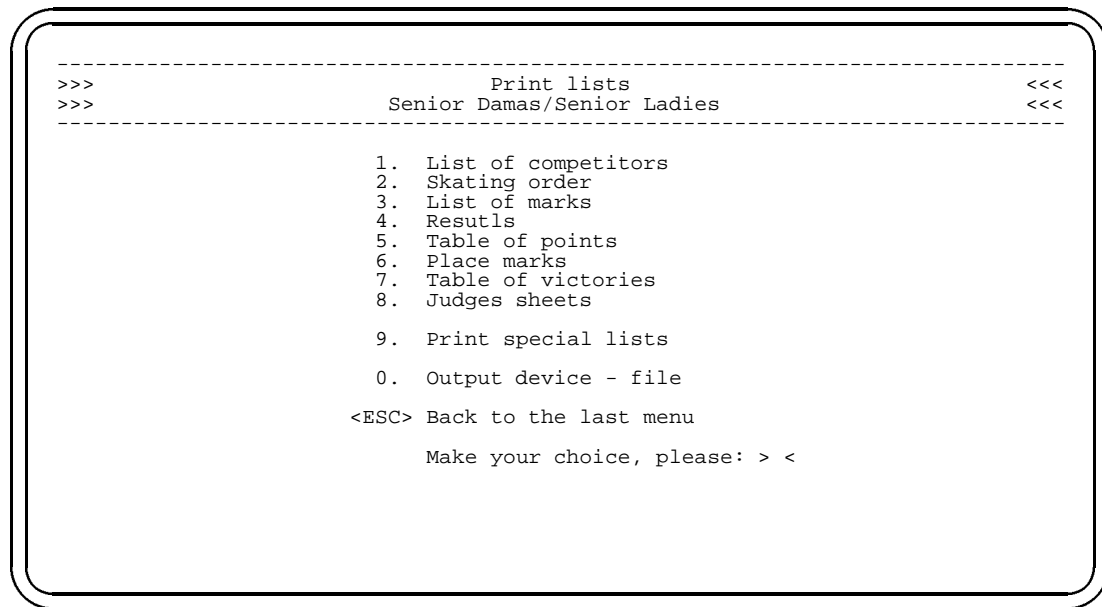
1. Preparing the competition as usual
2. Calling up the function `Searching for unknown Abbreviation`

3. Entering the missing Club descriptions
4. Storing the changed file `ROLLER.ABK`.

4.7 Print Lists

In case that you're working on two competitions, you need to select one at first. After this you will get into the actual menu.

The print menu is then displayed see the screen image below.



```
>>>                                     Print lists                                     <<<
>>>                               Senior Damas/Senior Ladies                               <<<
-----
      1. List of competitors
      2. Skating order
      3. List of marks
      4. Results
      5. Table of points
      6. Place marks
      7. Table of victories
      8. Judges sheets

      9. Print special lists
      0. Output device - file
<ESC> Back to the last menu

      Make your choice, please: > <
```

Figure 4.41: Print Lists

Simply enter the number of the output that you require printed. You may be prompted as to which part of the competition that you require to be printed and you can select only one at a time. The options are:

1. Single's Competitions
 - Compulsary
 - Short-programme
 - Compulsary and short programme
 - Short programme and Long programme
 - Combination
2. Pairs Competitions
 - Short programme
 - Long programme
 - Free (Short and Long programme)
3. Dance competitions
 - Compulsory dance

- O.S.P.
- Compulsary (dance and O.S.P.)
- Combination

4. Group competitions Long programme

5. Formations Long programme

You are able to select where the printed output is to be sent by the program, this is done by the <0> option on the print lists menu, this option also displays the currently selected output device, and this information is also stored in the ROLLER . STS file.

This submenu varies upon the selected device and exampe of using the printers LPT1 : prort is shown below.

```

-----
>>>                               Output device          <<<
>>>                               Senior Damas/Senior Ladies <<<
-----

Printer :                               HP DeskJet 500
1. Output device :                       file
2. Next (automatic) information number : 25
3. Encoding :                             ibm
4. Send printer control sequences :       enabled
5. Name of the output file :               wm
6. Mode of the output :                   generic
7. Next (automatic) file number :         90

<ESC> Back to the last menu
Make your choice, please: > <

```

Figure 4.42: Output Device

The other available options are shown in the following table

Technical Data Meaning

File 1pt1 1pt2 com1 stdpm stdout stdaux Destination is a file Printer Port 1 Printer Port 2 Serial Port 1 Standard Printer Device Screen Standard Serial Port

If the output to a file option is selected you must set the filename of the outout file to be used, then you can set whether you require the file to be appended to, overwritten or a new file created for each of the printed reports. If you chose the later then you can specify also the number of the file extension that the program will automatically start generating from, default is .000.

The third option sets the encoding that is to be used, the options currently available are: ibm or the older 7 bit code din .

The forth option selects whether you send printer control code sequences. If the output is to a screen then this should be disabled.

Others options vary depending upon the selected device.

4.8 Mark Overview

With help of the Mark Overview function you can quickly see the scores of all the skaters for all sections of the competition. You can also see all of the calculated points totals that are used.

If you are working with two competitions you must select the one you require to look at first.

The program then displays the skaters one page at a time on the screen so you can get the overall picture for that skater. A sample screen layout is shown below:

>>>		Mark overview											<<<			
>>>		Senior Damas/Senior Ladies											<<<			

1		Analia Papa											ARG			
Comp-fig 1:	-	:	0	:	0	:	0	:	0	:	0	:	0	=	0	
Comp-fig 2:	-	:	0	:	0	:	0	:	0	:	0	:	0	=	0	
Comp-fig 3:	-	:	0	:	0	:	0	:	0	:	0	:	0	=	0	
Comp-fig 4:	-	:	0	:	0	:	0	:	0	:	0	:	0	=	0	
Short A	:	+	:	71	:	71	:	72	:	75	:	72	:	73	:	73 = 507
Short B	:	+	:	73	:	70	:	72	:	72	:	70	:	71	:	72 = 500
Long A	:	+	:	78	:	76	:	79	:	75	:	76	:	82	:	82 = 548
Long B	:	+	:	78	:	73	:	77	:	74	:	74	:	81	:	80 = 537
Sum Comp	:	-	:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000=	0.000
Sum Short	:	+	:	14.400:	14.100:	14.400:	14.700:	14.200:	14.400:	14.500:	14.400:	14.500:	14.500:	14.500:	100.700	
Sum Long	:	+	:	15.600:	14.900:	15.600:	14.900:	15.000:	16.300:	16.200:	16.300:	16.200:	16.200:	16.200:	108.500	
Sum Co+Sh	:	-	:	14.400:	14.100:	14.400:	14.700:	14.200:	14.400:	14.500:	14.400:	14.500:	14.500:	14.500:	100.700	
Sum Sh+Lo	:	+	:	61.200:	58.800:	61.200:	59.400:	59.200:	63.300:	63.100:	63.300:	63.100:	63.100:	63.100:	426.200	
Sum Total	:	-	:	61.200:	58.800:	61.200:	59.400:	59.200:	63.300:	63.100:	63.300:	63.100:	63.100:	63.100:	426.200	
Sum Lo * 3:	:	+	:	46.800:	44.700:	46.800:	44.700:	45.000:	48.900:	48.600:	48.900:	48.600:	48.600:	48.600:	325.500	
Sum Co * 2:	:	-	:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000:	0.000=	0.000	

Figure 4.43: Mark Overview

On the left side is the description of the line, followed by a + / -. The + shows a valid grade has been entered for that section. The (-) shows that on this section no valid grade has been entered for that competition so far.

By using the key <+>, <Page down>, <-> or <Page up>, can you navigate between the single skaters screens. The overall view always starts with the skater, with the number one. With using the roller keys (+/-) you can get to the next competitor or a earlier competitor. By using the key <ESC> you can get back to the main menu.

Instead of using the control keys you can also enter numbers. The numbers are shown at the bottom of the screen. After finishing the entry with <ENTER> the skater comes up with the competitor number.

With help of the key <F3> the competitor can be selected directly over the list. The key <F1> is to use to switch between two competitions.

4.9 Competition Information

There is a additional function, other than those listed above. It allows you to display an overview of the competition selected and is displayed from the main menu by using the < ! > character. You exit the function by using the <ESC> key.

A sample is shown below:

```
*****
*** Competition information ***
*** Competition : Senior Damas/Senior Ladies - Single - deutsch (CIPA 94, *
*** WOK 99) ***
Comp. sections : Comp. figures Short Long
No. of dances: 4 ( 0) Skaters: 50 Number of judges: : 7
Eve Referee : Camillo Martini CIPA
Assistent : Lorraine Norton CIPA
Ven Judge 1 : Carole Mould GBR
Judge 2 : Gre Groot NED
Dat Judge 3 : Edith Figueiredo BRA
Judge 4 : Leigh Neil NZL
Com Judge 5 : Hector Rios COL
Judge 6 : Ana Luduena ARG
Judge 7 : Alessandro Camaeti ITA
Calculator : Kevin Robinson CIPA
Factor: Comp. figures: 2 Short: 1 Long: 3
Figur No. 1 : Rockers RFO
Figur No. 2 : Para Dble Threes LBO
Figur No. 3 : Para Loops RFO
Figur No. 4 : Para Brackets LBO
Start each figure : 1 : 10 : 18 : 26
System is waiting - press <ESC>!
```

Figure 4.44: Competition Information

4.10 Exit the programme

When the programme Calculating has been ended, general information about the programme can be seen. This information includes version numbers, the date the programme was created and the copyright. Further is shown, which configuration files from which directly are being loaded and which configuration files don't exist.

Appendix A

Preparing a Competition

In this appendix the major steps are detailed in setting up a new competition. Special cases are not however covered. The various points contain tips, and when to use them, examples are used when applicable.

The competition details will be stored in a file with the name DATENnnn.ROL. where nnn is a number between 000 and 999.

The programme ROLLER . EXE can be started from any directory providing the DOS path contains the directory where the ROLLER . EXE file is held. The current directory will then become the working directory.

A.1 General

The following steps must be performed in the order listed.

1. You should first clean up the working directory so that your events are only those you are working on. This helps you when are organising your files for championships.

You should use DOS commands to store or delete unwanted files.

The file ROLLER . STS should also be deleted so that output information will be reset for the championship.

2. Start the programme calculating

```
ROLLER <RETURN>
```

You can start the program with a different name by creating a .BAT file of that name and this will call the ROLLER . EXE file.

3. The entry of all the events with the competition type and the settings, and the method of calculating the results.
4. Selecting an event to work with.
5. Entering Club information if necessary.
6. Enter in the menu option Managing Competitor Details, to enter all the needed information. These are highlighted on the screen with (!) which is removed when the operation has been undertaken. These include competitor names, club descriptions, the competition elements and as required, the number of the compulsory elements.
7. Repeat the setting up for all the competitions.

8. Once this has been done you are ready to start working on the actual competition by selecting the desired event and entering the starting orders for the starting sections.
9. Once this is done then you are ready to start entering the marks for the individual competitors.
10. After you have entered all the marks then you can select the menu option to print the results.
11. Once you have finished for that section or for all of the event then you exit the program from the main menu.

A.2 Removing Competitors

If a competitor withdraws after being entered on the starting order, then they have to be removed. The function 'Taking Competitors Back' in the menu is used to do this.

Taking competitors out of the Result

If a competitor has received marks but is not to feature in the final result, the function "Taking Competitors Out of the Grading" will do this.

Managing Combined Singles Results

Where there is a separate event for figures, free and combination then this can be done by setting up three separate events which although is possible is not recommended.

A better alternative is to set up an event containing all the competitors in both the figure and free events, once this is done you select the competitors for each of the events by entering them in the starting order. The program will then automatically calculate the combined result for you.

Appendix B

Numbers for Compulsory Elements

In order to select a compulsory element for either a singles or dance event you must enter the number which corresponds to the required element.

- 1 Eights #FO
- 2 Eights #FI
- 3 Eights #BO
- 4 Eights #BI
- 5 Change Eights #FO
- 6 Change Eights #BO
- 7 Threes #FO
- 8 Threes #FO
- 9 Threes #FI
- 10 Double Threes #FO
- 11 Double Threes #FI
- 12 Double Threes #BO
- 13 Double Threes #BI
- 14 Loops #FO
- 15 Loops #FI
- 16 Loops #BO
- 17 Loops #BI
- 18 Brackets #FO
- 19 Brackets #FI
- 20 Rockers #FO
- 21 Rockers #FI
- 22 Counters #FO
- 23 Counters #FI
- 24 One Foot Eights #FO
- 25 One Foot Eights #BO
- 26 Chge Threes #FO
- 27 Chge Threes #FI
- 28 Chge Dble Threes #FO
- 29 Chge Dble Threes #BO
- 30 Chge Loops #FO
- 31 Change Loops #BO
- 32 Change Brackets #FO
- 33 Change Brackets #FI
- 34 Para Threes #FO
- 35 Para Threes #BO
- 36 Para Dble Threes #FO
- 37 Para Dble Threes #BO
- 38 Para Loops #FO
- 39 Para Loops #BO
- 40 Para Brackets #FO
- 41 Para Brackets #BO

The program will require you to enter the starting foot also for the figure.

- 1 Kleiner Waltz
- 2 Swing-Foxtrot
- 3 March
- 4 Palais-Glide
- 5 European Waltz
- 6 Keats-Foxtrot
- 7 14 Step
- 8 Italian Foxtrot
- 9 Harris-Tango
- 10 Rocker-Foxtrot
- 11 Blues
- 12 Kilian
- Compulsory Dances 13 Starlight Waltz
- 14 Argentine Tango
- 15 Quickstep
- 16 Viennese Waltz
- 17 Paso Doble
- 18 Westminster Waltz
- 19 Iceland Tango
- 20 Siesta Tango
- 21 Association Waltz
- 22 Imperial Tango
- 23 Tudor Waltz
- 24 Denver Shuffle
- 25 Flirtation Waltz

Original Set Pattern Rhythms

- 1 Blues
- 2 Foxtrot
- 3 Samba
- 4 Waltz
- 5 Rumba
- 6 Paso Doble
- 7 Tango
- 8 Cha Cha Cha
- 9 Polka
- 10 Charleston

Appendix C

Program Configuration Files

This appendix covers the Syntax and semantics of the configuration files that are used by the `ROLLER.EXE` program. This allows the users to tailor the program for their specific needs and setup. The files that are used by the program are:

```
ROLLER.INI
ROLLER.CFG
ROLLER.STS
ROLLER.ABK
```

The program reads the configuration files in the following order:

The `ROLLER.INI` is read first. This contains the control details for the default printer, the names of the compulsory figures, compulsory dances and OSP rhythms. The language elements of the program are also stored in this file.

The file `ROLLER.CFG` defines also the control question for the printer. This file only exists for compatibility with older version and will be replaced entirely in future with the `ROLLER.INI` file.

The file `ROLLER.STS` contains information about the technical data.

Elements and constants in the language configuration

The configuration languages contain little significance units and constraints. These significance units are also called Tokens. They are subdivided into following categories: Special Symbols, Key words, Numbers and Strings. Numbers and Strings are constants. The configuration languages contain language elements and boundaries which separate the single elements from each other.

- A boundary can be a....., a comment or a..... - Two each following elements need to be separated by at least one boundary if the elements are reserved words or numbers. - A boundary can't be part of an element. Exception: the element "strings" can contain a sign which is normally used as a boundary.

Following signs are special symbols in the language of configuration: [] = ; # Big print is used in the text to point out reserved words like printer, compulsory, language etc.

C.1 ROLLER.INI

The configuration file `ROLLER.INI` contains information about the used printer, names of compulsory elements - dances etc.

C.1.1 Reserved Words

The file `ROLLER.INI` has several reserved words which cannot be used by the user within the file. Reserved words never start with a capital letter.

printer	name		
size	series	shape	
width	on	off	
normal	large	small	tiny
medium	bold		
up	slanted	italic	smallcaps
underline			
nlq	draft		
linefeed	return	reset	beep
formfeed			
code	ascii	din	ibm
windows	iso		
output	preskip	header	compress
compulsory			
single	figures		
dance	original	set	pattern
language			
first	second		

C.1.2 Numerical Ratings

Numerical values can either be given as integers or as floating point numbers. Floating point numbers contain a point. Floating point numbers in scientific notation is not allowed.

C.1.3 Strings

A string is a series of characters bounded by double quotation marks e.g. "I am a string"

xxx

or

```
" " # empty string
```

the double quotation marks are not part of the string. Would you like to show a string in a double quotation mark, so you have to mark the double quotation mark with a backslash. `" \" "` String with double quotation marks

xxx

C.1.4 Comments

The symbol `#` indicates a comment which means that all characters from that character to the end of the current line are treated as a comment.

C.1.5 Structure

The file `ROLLER.INI` contains three parts, each of these sections is identified by a section header which is shown alongside it:

Section Section Header

Printer control [printer] [output]

Compulsory Elements [compulsory]

Language Specific's [language]

Printer Section

This sections contains the control characters for the selected printer.

Common features of the control orders

The control codes which switch the type, size, etc in the specific printer, are available in different variations. `CALCULATING` is able to work with a wide range of printers.

Control orders for the typesize

The printer configuration of `CALCULATING` knows four different type sizes:

normal, large, small and tiny

Currently only normal, large and small are being used.

For each type size there has to be defined the following parameters:

- the number of characters, which can be printed per inch (2.54mm). This is often shown in printer handbooks with the abbreviation of CPI.
- the control code to switch on the selected font sizes
- the control code to switch off the selected font size, This control code is not required on some printers.

The control code for the typesize always starts with the reserved word `size`. Followed by one of the keyword `normal`, `large`, `small` or `tiny`. Further is shown with one of the keyword `on`, `off` or `width`, after this is an `"="` sign with the required parameter which can be the keyword `on` or `off` or a string which shows the characters per inch. The entry is terminated with a `";"`

Example:

```
Size normal width    = 10.0;
Size normal on       = "; \# stays nearly al-
ways vacant
Size normal off      = "; \# dto
Size large width     = 5.0;
Size large on        = "\x0e"; \# large type size on
Size large off       = "\x14"; \# large type size off
```

Control codes for the print density

The program uses two different print density: medium and bold. For both of the print density you need to define the following two parameters.

- The control code for the required print density to be switched `"on"`.

- The control code for the required print density is to be switched "off". In some printers this code is automatically switched off at the end of each line.

The control code for the print density always starts with the reserved word series. Followed by one of the keyword medium or bold. Next is shown one of the keyword on or off, you then have an "=" sign followed by the codes required to set the printer. The line is terminated with a ";;"

Example:

```
Series medium on      =      " ";          # nearly always vacant
Series medium off     =      " ";          # nearly always vacant
Series bold on        =      "\x1bE";      # bold print on
Series bold off       =      "\x1bF";      # bold print off
```

Other Control Codes

The remaining of the control codes are used for certain operations, for example the name of the printer, switching on and off the underlining, switching from draft, reset, return, linefeed, beep, formfeed and coding.

After the required keyword follows a = sign, followed by a string or by one of the following keyword: ascii, din, ibm, windows, iso, tex. Finishing the entry with a ";;"

Example for coding the technical data:

```
nlq  = "\xibG";          # Quality print on
code = ascii;             # or din, ibm, windows, iso
```

Output Section

The [Output] section defines a few of the options which contribute to the layout of the pages. At the moment there are only a very few options which are used.

The option preskip sets the number of empty lines which are left at the beginning of every page. Following the keyword preskip is an = sign and the number of lines required. The line is terminated with a ";;".

Header followed by an = sign and then by one of the reserved words on or off, this sets whether the competition header which contain all the details of a competition, is to be printed or not. This line is terminated with a ";;".

The option compress selects whether the printer printed in compressed mode or not. Compress followed by an = sign, one of the reserved words true or false and terminated by a ";;". If true is entered the lines are printed closer together, where as with false they are not compressed

Compulsory Section

The [compulsory] section defines the names of the single figures, the names of the compulsory dances and the names of O.S.P rhythms. The format of these is the same for each of the three section except for the keyword single figures for compulsory figures, dance figures for compulsory dance and dance original set pattern for OSP's. Following the respective keyword is an = sign and a "" which is closed with a corresponding "" . Between the "" and "" are the definitions which are loaded by the program at start up. the syntax of these is similar across all three sections and is shown in the example

below. You can add additional details from the default values is you require but you should try and keep the values constant so that if you return to an old file the correct information is reproduced.

In the case of the single figures there is a special character which can be used to instruct the program to select the starting foot for the specific figure. This character is the "#" and is inserted as shown in the example below:

Example:

```
single figures = {
    1 = "Eighths #FO";
    2 = "Eighths #FI";
    3 = "Eighths #BO";
    ..... etc
};
```

Language Section

The [language] section defines the titles on the output lists produced by the program. The program can store two different languages which are displayed. The first is used for "National" competitions, If you have selected "International" competitions then one or two languages can be used. The first language must be included and is there is no second language included then the default value of French will be used, if you wish to change this then you can either enter a second language or nulls which will instruct the program to display two or one languages respectively.

The first section starts with the keyword first and the second section starts with the keyword second. After this there is an = sign and then the opening bracket "" with a closing bracket "" to close the selection followed by an ";".

Each of the headline definition's starts with a number followed by a = sign , then a string with the text which is to be printed and ended by semi colon. The numbers used within the lists can be cross referenced from the table below:

Example

```
first = {
    1 = "List of Competitors";
    2 = "List of Marks";
    3 = "Panel";
    4 = "Result Information";
    ..... etc.
};

second = {
    1 = "";
    2 = "";
    3 = "";
    4 = "";
    ..... etc.
};
```

NOTE In the second option above the null values have been entered to force international events with only a single language.

Numbers with the single headlines

No: Description

1 List of Competitors

2 List of Marks

3 Panel

4 Result Information

5 Information Number

6 No Result

10 Starting Order Compulsary Figures

11 Starting Order Short

12 Starting Order Long

20 Result Compulsary Figures

21 Results Short Programme

22 Result Long Programme

23 Result Compulsary and Short Programme

24 Result Free (Short and Long)

25 Combined Result

30 Table of Points Compulsary Figures

31 Table of Points Short Programme

32 Table of Points Long Programme

33 Table of Points Compulsary and Short

34 Table of Points (Short and Long)

35 Table of Points Combined

40 Place marks Compulsory Figures

41 Place marks Short

42 Place marks Long

43 Place marks Compulsary and Short

44 Placemark Short and Long

45 Placemark Combined

50 Table of Victories Compulsory Figures

51 Table of Victories Short Programme

52 Table of Victories Long Programme

53 Table of Victories Compulsary and Short

54 Table of Victories Short and Long

55 Table of Victories Combined

60 Skating Order Compulsary Dance

61	Skating Order Original Set Pattern Dance
62	Skating Order Free Dance
70	Results Compulsary Dances
71	Results Original Set Pattern Dance
72	Results Free Dance
73	Results Compulsary Dance and O.S.P.
74	Results O.S.P. and Free Dance
75	Final Results
80	Table of Points Compulsary Dances
81	Table of Points Original Set Pattern Dance
82	Table of Points Free Dance
83	Table of Points Compulsary Dance and O.S.P.
84	Table of Points O.S.P. and Free Dance
85	Table of Points Combined
90	Place marks Compulsary Dances
91	Place marks Original Set Pattern Dance
92	Place marks Free Dance
93	Place Compulsary Dance and O.S.P.
94	Place marks O.S.P. and Free Dance
95	Place marks Combined
100	Table of Victories Compulsary Dances
101	Table of Victories Original Set Pattern Dance
102	Table of Victories Free Dance
103	Table of Victories Compulsary Dance and O.S.P.
104	Table of Victories O.S.P. and Free Dance
105	Table of Victories Combined
110	Result information Compulsary Figures
111	Result information Short Programme
112	Result information Long Programme
113	Result information Compulsary and Short
114	Result information Free Dance
115	Result information Combined
120	Result information Compulsary Dances
121	Result information Original Set Pattern
122	Result information Free Dance
123	Result information Compulsary Dance and O.S.P.

124 Result information O.S.P. and Free Dance
125 Result information Combined
150 Name
151 Names
152 Nation
153 Club
154 END
155 CF
156 SH
157 LO
158 FR
159 CD
160 OSP
161 CF
162 FD
163 M.V.
164 S.M.V.
165 B-Long
166 B-Short
167 B-OSP
168 Tot Vic
169 Points
170 POINTS
171 Rule
172 Referee
173 Assistant
174 Calculator
175 #. Judge
176 Compulsory
177 Compulsory Dances
178 O.S.P.
179 Start of the Dances
180 Start of the Figures
181 Calculation Rule
182 Type of Competition
183 Single

184 Pairs
 185 Groups
 186 Dance
 187 Formation
 188 Components of Competition
 189 Number of Figures
 190 Number of Skaters
 191 Number of Judges
 192 Multiplier Compulsory
 193 Multiplier Short
 194 Multiplier Long
 195 Multiplier Comp. Dance
 196 Multiplier O.S.P.
 197 Multiplier Free Dance
 198 Judge
 199 Number of Judges
 200 Remark
 201 Compulsory
 202 Comp. Dance
 203 Short
 204 Long
 205 Free Dance
 206 Warm up Groups
 207 Number of competitors Marked
 208 Number of Competitors Withdrawn

Sample ROLLER.INI

```

#      Initialisation file for the program roller
#      English version

[printer]

name   =   "Epson MX-82/III";
size normal width    = 10.0;
size normal on       = " ";
size normal off      = " ";
size large width     = 5.0;
size large on        = "\x0e";
size large off       = "\x14";
size small width     = 16.67;
size small on        = "\x0f";
  
```

```

size small off          = "\x12";
size tiny width         = 16.67;
size tiny on            = "\x0f";
size tiny off           = "\x12";
series medium on        = "";
series medium off       = "";
series bold on          = "\x1bE";
series bold off         = "\x1bF";
shape up on             = "";
shape up off            = "";
shape slanted on        = "";
shape slanted off       = "";
shape italic on         = "";
shape italic off        = "";
shape smallcaps on      = "";
shape smallcaps off     = "";
underline on            = "";
underline off           = "";
nlq                     = "\x1bG";
draft                   = "\x1bH";
linefeed                 = "\x0a";      # Line Feed
return                  = "\x0d";      # Carriage Return
reset                    = "\x1b@";     # Reset Printer
beep                     = "\x07";      # Beep
formfeed                 = "\x0c";      # Formfeed
code                     = ibm;         # or din, ibm, windows, iso

```

[compulsory]

```

single figures = {
    1 = "Eights #FO";
    2 = "Eights #FI";
    3 = "Eights #BO";
    4 = "Eights #BI";
    5 = "Change Eights #FO";
    6 = "Change Eights #BO";
    7 = "Threes #FO";
    8 = "Threes #FI";
    9 = "Threes #BI";
    10 = "Double Threes #FO";
    11 = "Double Threes #FI";
    12 = "Double Threes #BO";
    13 = "Double Threes #BI";
    14 = "Loops #FO";
    15 = "Loops #FI";
    16 = "Loops #BO";
    17 = "Loops #BI";
    18 = "Brackets #FO";
    19 = "Brackets #FI";
    20 = "Rockers #FO";
    21 = "Rockers #FI";
    22 = "Counters #FO";
    23 = "Counters #FI";
    24 = "One Foot Eights #FO";
    25 = "One Foot Eights #BO";
}

```

```

26 = "Chge Threes #FO";
27 = "Chge Threes #FI";
28 = "Chge Dble Threes #FO";
29 = "Chge Dble Threes #BO";
30 = "Chge Loops #FO";
31 = "Change Loops #BO";
32 = "Change Brackets #FO";
33 = "Change Brackets #FI";
34 = "Pa Threes #FO";
35 = "Para Threes #BO";
36 = "Para Dble Threes #FO";
37 = "Para Dble Threes #BO";
38 = "Para Loops #FO";
39 = "Para Loops #BO";
40 = "Para Brackets #FO";
41 = "Para Brackets #BO";
};

```

```

dance original set pattern = {
    1 = "Blues";
    2 = "Foxtrot";
    3 = "Samba";
    4 = "Waltz";
    5 = "Rumba";
    6 = "Paso Doble";
    7 = "Tango";
    8 = "Cha Cha Cha";
    9 = "Polka";
    10 = "Charleston";
};

```

```

dance figures = {
    1 = "Kleiner Waltz";
    2 = "Swing-Foxtrot";
    3 = "March";
    4 = "Palais-Glide";
    5 = "European Waltz";
    6 = "Keats-Foxtrot";
    7 = "14 Step";
    8 = "Italian Foxtrot";
    9 = "Harris-Tango";
    10 = "Rocker-Foxtrot";
    11 = "Blues";
    12 = "Kilian";
    13 = "Starlight Waltz";
    14 = "Argentine Tango";
    15 = "Quickstep";
    16 = "Viennese Waltz";
    17 = "Paso Doble";
    18 = "Westminster Waltz";
    19 = "Iceland Tango";
    20 = "Siesta Tango";
    21 = "Association Waltz";
    22 = "Imperial Tango";
    23 = "Tudor Waltz";
}

```

```

24 = "Denver Shuffle";
25 = "Flirtation Waltz";
26 = "14 Step";
};

[language]

first = {
1 = "List of Competitors";
2 = "List of Marks";
3 = "Panel";
4 = "Result Information";
5 = "Information No";
6 = "No Result!";
10 = "Skating Order Compulsory Figures";
11 = "Skating Order Short";
12 = "Skating Order Long";
20 = "Result Compulsory Figures";
21 = "Result Short Programme";
22 = "Result Long Programme";
23 = "Result Compulsory and Short";
24 = "Result Free (Short and Long)";
25 = "Combined Result";
30 = "Table of Points Compulsory Figures";
31 = "Table of Points Short Programme";
32 = "Table of Points Long Programme";
33 = "Table of Points Compulsory and Short";
34 = "Table of Points Free (Short and Long)";
35 = "Table of Points Combined";
40 = "Place marks Compulsory Figures";
41 = "Place marks Short";
42 = "Place marks Long";
43 = "Place marks Compulsory and Short";
44 = "Place marks Free (Short and Long)";
45 = "Place marks Combined";
50 = "Table of Victories Compulsory Figures";
51 = "Table of Victories Short Programme";
52 = "Table of Victories Long Programme";
53 = "Table of Victories Compulsory and Short";
54 = "Table of Victories Free (Short and Long)";
55 = "Table of Victories Combined";
60 = "Skating Order Compulsory Dances";
61 = "Skating Order Original Set Pattern Dance";
62 = "Skating Order Free Dance";
70 = "Result Compulsory Dances";
71 = "Result Original Set Pattern Dance";
72 = "Result Free Dance";
73 = "Result Compulsory Dance and O.S.P.";
74 = "Result O.S.P. and Free Dance";
75 = "Final Result";
80 = "Table of Points Compulsory Dances";
81 = "Table of Points Original Set Pattern Dance";
82 = "Table of Points Free Dance";
83 = "Table of Points Compulsory Dance and O.S.P.";
84 = "Table of Points O.S.P. and Free Dance";

```

85 = "Table of Points Final";
 90 = "Place marks Compulsory Dances";
 91 = "Place marks Original Set Pattern Dance";
 92 = "Place marks Free Dance";
 93 = "Place marks Compulsory Dance and O.S.P.";
 94 = "Place marks O.S.P. and Free Dance";
 95 = "Place marks Final";
 100 = "Table of Victories Compulsory Dances";
 101 = "Table of Victories Original Set Pattern Dance";
 102 = "Table of Victories Free Dance";
 103 = "Table of Victories Compulsory Dance and O.S.P.";
 104 = "Table of Victories O.S.P. and Free Dance";
 105 = "Table of Victories Final";
 110 = "Result Information Compulsory Figures";
 111 = "Result Information Short Programme";
 112 = "Result Information Long Programme";
 113 = "Result Information Compulsory and Short";
 114 = "Result Information Free (Short and Long)";
 115 = "Result Information Combined";
 120 = "Result Information Compulsory Dances";
 121 = "Result Information Original Set Pattern Dance";
 122 = "Result Information Free Dance";
 123 = "Result Information Compulsory Dance and O.S.P.";
 124 = "Result Information O.S.P. and Free Dance";
 125 = "Result Information Final";
 150 = "Name";
 151 = "Names";
 152 = "Nation";
 153 = "Assoc.";
 154 = "END";
 155 = "CF";
 156 = "SH";
 157 = "LO";
 158 = "FR";
 159 = "CD";
 160 = "OSP";
 161 = "CF";
 162 = "FD";
 163 = "M.V.";
 164 = "S.M.V.";
 165 = "B-Long";
 166 = "B-Short";
 167 = "B-OSP";
 168 = "Tot Vic";
 169 = "Points";
 170 = "POINTS";
 171 = "Rule";
 172 = "Referee";
 173 = "Assistent";
 174 = "Calculator";
 175 = "#. Judge";
 176 = "Compulsory";
 177 = "Compulsory Dance";
 178 = "O.S.P.";
 179 = "Start of the dances";

```

180 = "Start of the figures";
181 = "Calculation rule";
182 = "Type of competition";
183 = "Single";
184 = "Pairs";
185 = "Groups";
186 = "Dance";
187 = "Formation";
188 = "Components of competition";
189 = "Number of figures";
190 = "Number of skaters";
191 = "Number of judges";
192 = "Multiplier Compulsory";
193 = "Multiplier Short";
194 = "Multiplier Long";
195 = "Multiplier Comp. Dance";
196 = "Multiplier O.S.P.";
197 = "Multiplier Free Dance";
198 = "Judge";
199 = "Number of Judges";
200 = "Remark";
201 = "Compulsory";
202 = "Comp. Dance";
203 = "Short";
204 = "Long";
205 = "Free Dance";
206 = "Warm up groups";
207 = "Number of competitors marked";
208 = "Number of competitors withdrawn";
};

```

ROLLER.CFG

Reserved words

Reserved words are always written, as shown on the following table. In CALCULATING in the file ROLLER.CFG are following words reserved. The reserved words are bold printed.

NAME BR-ON BR-OFF DO-ON DO-OFF SC-ON SC-OFF FE-ON FE-OFF PRN-LF
PRN-CR PRN-FF RESET BEEP Outcode DIN Ascii IBM Ascii

Numerical Ratings

Strings

See the definition of the file ROLLER.INI.

Comments

The symbol % is a special symbol which stands at the beginning of a comment.

Index

The file ROLLER.CFG defines the controls which are needed for the printer. Those are defined after the controls out of the file ROLLER.INI have been read.

The single controls are defined as follows: You first have one of the keyword show below, followed by an = sign, a string follows, this string contains the controls. The end of each line is terminated by a ";".

NAME Name of the printer BR-ON Bold print on BR-OFF Bold print off DO-ON Double print on DO-OFF Double print off SC-ON Tiny print on SC-OFF Tiny print off FE-ON Large print on FE-OFF Large print off PRN-LF Line feed PRN-CR Carriage return PRN-FF Form feed Reset Reset printer BEEP Signal

Example ROLLER.CFG

```
%
% (c) 1994 by Richard Gussmann
% Config-file for the printer HP DeskJet 500
% This file was created by INSTALL.EXE
%

NAME      =      "HP DeskJet 500";
BR_ON     =      "\x1b(s5H";
BR_OFF    =      "\x1b(s10H";
FE_ON     =      "\x1b(s3B";
FE_OFF    =      "\x1b(s0B";
SC_ON     =      "\x1b(s16.67H";
SC_OFF    =      "\x1b(s10.00H";
DO_OFF    =      "\x1b(s1Q";
DO_ON     =      "\x1b(s2Q";
PRN_LF    =      "\x0a";
PRN_CR    =      "\x0d";
RESET     =      " ";
BEEP      =      "\x07";
PRN_FF    =      "\x0c";

OutCode = IBMAscii;
```

ROLLER.STS

Reserved Words

Reserved words always start with small letters. In CALCULATING in the file ROLLER.STS following words are reserved

output mode file code overwrite append generic last number stdout stdprn stdaux com1
com2 com3 com4 lpt1 lpt2 lpt3 lpt4 information ascii din ibm iso windows tex

Numerical Ratings

Strings

See the definition in the file ROLLER.INI.

Comments

The # is a special symbol which shows the beginning of a comment. A comment contains information which can't be found in the file. They are there to help the user of the program to understand the contents by leaving comments or prompts within the file.

Example Roller.STS

```
# ROLLER - Status - File
# Created by ROLLER.EXE at 1998/09/13 18:19:42
```

```
output mode = generic;

last output number = 3;

output file      = stdout;

last information number = 19;

output code = ibm;

enable font switching;
```

ROLLER.ABK

The file `ROLLER.ABK` contains the abbreviations and the names of the clubs. This file is not readable. Max 512 abbreviations can be defined.

Priorities

Both of the configuration files `ROLLER.INI` and `ROLLER.CFG` contain information about the printer control. If both the files exist, the settings contained within the `ROLLER.INI` file will be taken.

The file `ROLLER.INI` will be replaced in the future with the file `ROLLER.CFG`.

Appendix D

Printers

A large number of printers can be used with the program, with minor differences being done with the configuration. All the information which controls the connected printer is stored in the files `ROLLER.INI` and `ROLLER.CFG`.

These files along with another program, `INSTALL.EXE` can be found in the directory `\ROLLER` (if you have installed the program in another home dir then this should be substituted for `\ROLLER`). The program `INSTALL.EXE` controls the installation and the configuration of the connected printer. By using the program `INSTALL.EXE` you can switch between different printers.

If the printer which you are planning on using is not on the list of the printers in the installation program you should contact me or you can try to configure it yourself with the help of both the `ROLLER.INI` or `ROLLER.CFG`.

Currently Supported Printers

Epsom FX Epsom LQ NEC P6 / NEC P7 HP Laserjet (all variants) HP Deskjet (all variants) Epsom Stylins 800 Canon Bubblejet 10eh Canon Bubblejet 300h IBM Proprinter 4201 IBM Proprinter 4207 IBM Proprinter 4208

Appendix E

Tie Breaking Criteria on the Result List

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 1994".

Criteria on the result lists

Tie Breaking Criteria on the Result List

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 1994".

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

It should be noted that not all the above criteria can be used in all cases. Please refer to the CIPA manual for the applicable event types if in doubt.

Appendix F

Program Installation

The installation process is explained in the first pages of this handbook as well as being included in the installation program `INSTALL.EXE` which will prompt you through the installation process.

The following is a short checklist for the process which will help you undertake the installation by hand or if the installation program fails.

1. Put the installation disc in the disc drive A:.
2. `CALCULATING` is installed on the disc drive that is your default boot partition, usually the C: drive.
3. Switch to the Default drive (C:) by entering the command below

```
C: <RETURN>
```

You should ensure that the prompt reflect that you are in the root directory (e.g. C:\)

4. Create the necessary directories:

```
MD ROLLER
MD ROLLER\DOC
```

5. Copy the following files from the installation diskette

```
COPY A:\UNZIP.EXE C:\ROLLER\UNZIP.EXE
COPY A:\ZIP.EXE C:\ROLLER\ZIP.EXE
COPY A:\README.EXE C:\ROLLER\README.EXE
```

6. Copying the information directory:

```
C:\COPY A:\README.1ST C:\ROLLER\DOC\README.1ST
```

7. Unzipping from `CALCULATING`:

```
CD C:\ROLLER <RETURN>
UNZIP A:\ROLLER <RETURN>
```

8. Reading the information directory:

```
README C:\ROLLER\DOC\README.1ST <RETURN>
```

9. Check that any changes suggested by the installation are included in your `CONFIG.SYS` file so that the program has sufficient resources to operate.

10. Check that any changes suggested by the installation are included in your `AUTOEXEC.BAT` file so that the program has sufficient resources to operate.

Appendix G

Creating Judges Sheets

The judges sheets are not printed through the program `ROLLER.EXE`. The program `ROLLER.EXE` only writes information about the skating order in a file `ROLLER.SOD`. After this the program has to be exited. A further program `FORMULAR.EXE` reads the data from the file `ROLLER.SOD` in a further step and produces the judges sheet. Those first two steps are independent from the type of printer you are using. In the last step the sheets are printed on the actual printer. The model of the formular is shown below:

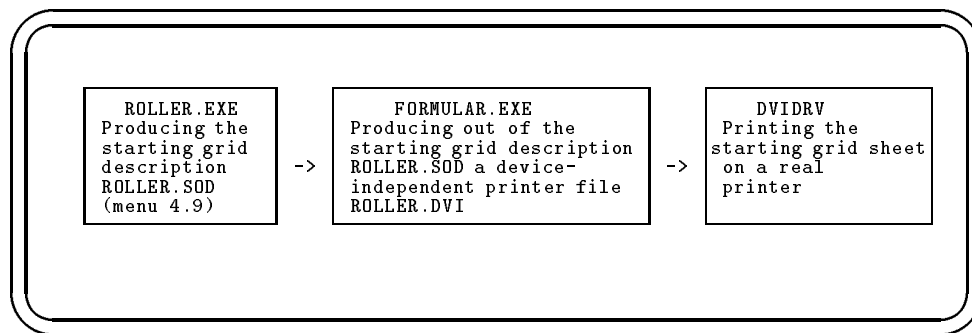


Figure G.1: Modell of the Generation of Formulars

G.1 Information about the current edition

The program `ROLLER.EXE` writes on the function from the print judges lists output a file with the name `ROLLER.SOD`. Once this has been written then you exit the program and continue at the DOS prompt level. The extension `.SOD` stands for Skating-Order-Description.

The file `ROLLER.SOD` is a readable ASCII file, which can be edited if required by using a simple text editor if required.

G.2 Creating Judges Sheets regardless of printer used

The next step you use the program `FORMULAR.EXE` which converts the ASCII text from the `ROLLER.SOD` into a "device independent" format that is used to produce the judges sheets.

The program `FORMULAR.EXE` is executed as follows:

C:\Formular <Filename>

The default value for filename is ROLLER.SOD if this is omitted then the information is taken from this file. If you wish to use an alternative file then you should enter the filename.

After the program has executed the file ROLELR.DVI is ready to be printed.

G.3 Printing the Judges Sheets on Your Printer

To print on your default printer you have to have installed the correct batch (.BAT) file for that printer once you have you can execute the respective command and this will produce the judges sheet.

The Currently Available Printers are:

Printer	Resolution
Epsom FX	240 x 216 dpi
Epsom LQ	180 dpi, 360 x 180 dpi, 360 dpi
NEC P6/NEC P7	180 dpi, 360 x 180 dpi, 360 dpi
HP Laserjet	300 dpi
HP Deskjet	300 dpi
Epsom Stylins 800	360 dpi
Canon Bubblejet 10eh	360 dpi
Canon Bubblejet 300h	360 dpi
IBM Proprinter 4201	240 x 216 dpi
IBM Proprinter 4207	180 dpi, 360 x 180 dpi
IBM Proprinter 4208	180 dpi, 360 x 180 dpi

Batch Files for printing the judges sheets by printer type

The following batch files are available for use with the program. The batch file will print the already produced sheets on the specific printer.

G.4 Printing a Judges Sheet

1. It is assumed that the source data files are stored in the dos directory C:\DATA
2. After entering the skating order from within the calculating program and then producing the file ROLLER.SOD from the print judges list option from within the print list option.
3. After you have done this you then leave the program ROLLER.EXE.
4. The next step is to use the correct batch file for your printer. If you are using an HP Deskjet for example then you enter the command DJ90 this will take the ROLLER.SOD and process this data file to produce the judges sheet.
5. If there is a problem then an error message will be produced, you should correct this problem and repeat step 3. If everything is OK then you will get a judges sheet printed.

File	Printer	Direction
nech90	NEC P6/P7 (360 dpi)	90° turned
necl90	NEC P6/P7 (180 dpi)	90° turned
epslqh90	Epson LQ (360 dpi)	90° turned
epslql90	Epson LQ (180 dpi)	90° turned
fx90	Epson FX (216×240 dpi)	90° turned
lj90	Laserjet (300 dpi)	90° turned
dj90	Deskjet (300 dpi)	90° turned
epssty90	Epson Stylus (360 dpi)	90° turned
i4201_90	IBM Proprinter 4201 (240 dpi)	90° turned
i4202_90	IBM Proprinter 4202 (240 dpi)	90° turned
i4207_90	IBM Proprinter 4207 (180 dpi)	90° turned
i4208_90	IBM Proprinter 4208 (180 dpi)	90° turned
bj10eh90	Canon Bubblejet 10eh (360 d.)	90° turned
bj300h90	Canon Bubblejet 300h (360 d.)	90° turned

Table G.1: Die Namen der Batch-Dateien

G.5 Installation of the FORMULAR . EXE Application

You install the FORMULAR . EXE application along with its associated files and drivers by using the programme INSTFORM . EXE. If this fails then the following steps may be undertaken to install the application manually.

G.5.1 Alternative Installation of FORMULAR . EXE By Hand

The following steps should be followed to install the program by hand:

1. Copying UNZIP program from the Installation Disk 1.

```
COPY A:\UNZIP.EXE C:\
```

2. Extract the compressed printer drivers from the ZIP file

```
CD\
C:\UNZIP -d -o A:DVID16F1
```

3. Extract the compressed formular generator

```
CD \ROLLER
C:\UNZIP -d -o A: FORMULAR
```

4. Add the pathname C:\EMTEXT\BIN to your systems path variable This is not essential but will help program execution

5. Create the directory for the font files

```
MD C:\TEXFONTS
CD C:\TEXFONTS
```

6. Copy the required fonts:

Selecting the correct font set from the table below:

Printer	Font File
Epson FX	fx_90.fli
Epson LQ	p6h.fli oder p6l.fli
Epson Stylus	p6h.fli
NEC P6/NEC P7	p6h.fli oder p6l.fli
HP Laserjet	lj.fli
HP Deskjet	dj.fli
IBM Proprinter 4201	fx_90.fli
IBM Proprinter 4202	fx_90.fli
IBM Proprinter 4207	p6l.fli
IBM Proprinter 4208	p6l.fli
Canon Bubblejet	bj.fli

Copy the appropriate file from the installation disk onto the c: drive, the example below is for an Epson FX series printer.

```
COPY A:\FX_90.FLI C:\TEXFONTS\FX_90.FLI
```

7. A batch file is then set up the name of which depends on the printer selection you have made in the installation program INSTFORM.

G.6 Licences for FORMULAR and DVIDRV

G.6.1 DVIDRV

The drivers have been supplied by E. Mattes and are supplied as freeware and can therefore only be distributed in their original files DVID16F1.ZIP and DVID6F2.ZIP.

The address of E. Mattes can be found in the file DVIDRV.DOC contained within the above files.

Both E. Mattes and R. Gussmann accept no responsibility for any damage caused by use of these drivers.

G.6.2 FORMULAR

The FORMUAR.EXE application is freeware and is contained within the file FORMULAR.ZIP. If you wish to distribute the software you must contact R. Gussmann for approval to do so. The address is at the front of this manual.

R. Gussmann accepts no responsibility for any damage caused by use of the software.

Appendix H

Formation Skating

Not yet available

Appendix I

List of IOC Country Abbreviations

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

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

HKG	Hong Kong	AHO	Netherlands Antilles
HUN	Hungary	NEP	Nepal
ISL	Iceland	NGR	Nigeria
IND	India	NIG	Niger
INA	Indonesia	NOR	Norway
IRI	Iran; Islamic Republic of	NRU	Nauru
IRQ	Iraq	NZL	New Zealand
IRL	Ireland	OMA	Oman
ISR	Israel	PAK	Pakistan
ITA	Italy	PAN	Panama
JAM	Jamaica	PAR	Paraguay
JPN	Japan	PER	Peru
JOR	Jordan	PHI	Philippines
KAZ	Kazakhstan	PLE	Palestine
KEN	Kenya	PNG	Papua New Guinea
PRK	Korea; Democratic People's	POL	Poland
KOR	Republic of Korea	POR	Portugal
KUW	Kuwait	PUR	Puerto Rico
KGZ	Kyrgyzstan	QAT	Qatar
LAO	Lao People's	ROM	Romania
	Democratic Republic	RUS	Russian Federation
LAT	Latvia	RWA	Rwanda
LBA	Libyan Arab Jamahiriya	SKN	Saint Kitts and Nevis
LBR	Liberia	LCA	Saint Lucia
LES	Lesotho	VIN	Saint Vincent and the Grenadines
LIB	Lebanon	SMR	San Marino
LIE	Liechtenstein	STP	Sao Tome and Principe
LTU	Lithuania	KSA	Saudi Arabia
LUX	Luxembourg	SEN	Senegal
MAD	Madagascar	SEY	Seychelles
MAR	Morocco	SIN	Singapore
MAS	Malaysia	SLE	Sierra Leone
MAW	Malawi	SLO	Slovenia
MDV	Maldives	SOL	Solomon Islands
MEX	Mexico	SOM	Somalia
MGL	Mongolia	RSA	South Africa
MKD	Macedonia; Former Yugoslav	ESP	Spain
Repu	blic of	SRI	Sri Lanka
MLI	Mali	SUD	Sudan
MLT	Malta	SUI	Switzerland
MON	Monaco	SUR	Suriname
MDA	Moldova; Republic of	SVK	Slovakia
MOZ	Mozambique	SWE	Sweden
MRI	Mauritius	SWZ	Swaziland
MTN	Mauritania	SYR	Syrian Arab Republic
MYA	Myanmar	TPE	Taipei; Chinese
NAM	Namibia	TAN	Tanzania; United Republic of
NCA	Nicaragua	TGA	Tonga
NED	Netherlands	THA	Thailand

TJK	Tajikistan	VAN	Vanuatu
TKM	Turkmenistan	VEN	Venezuela
TOG	Togo	VIE	Vietnam
TRI	Trinidad and Tobago	ISV	Virgin Islands
TUN	Tunisia	SAM	Western Samoa
TUR	Turkey	YEM	Yemen
UAE	United Arab Emirates	YUG	Yugoslavia
UGA	Uganda	ZAI	Zaire
UKR	Ukraine	ZAM	Zambia
URU	Uruguay	ZIM	Zimbabwe
USA	United States of America		
UZB	Uzbekistan		