



## Boxing Scoring System 2013

### User Manual for WinBPM 3.0

3475.502.02 | Document Version 3.1 | January 2017

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## Caution and safety precautions

- Never use any other charger than the supplied or a type approved by Swiss Timing. This could destroy the battery, cause damage to unit, and possible cause personal injury due to fire or/and electrical shock.
- Never bypass a power cord ground lead by breaking off the ground pin, or by using inappropriate extension cords or adapters.
- Never plug a power cord into the AC power source until you have made sure that all installation, cabling and power levels, are proper, and that the applicable procedures in this manual have been followed.
- Protect the equipment against splashing, rain and excessive sun rays.
- Never use the device if it is damaged or insecure.
- Verify the selection of the power distribution.
- Verify that the voltage quoted on the rating plate is the same as your voltage. Connect the appliance only to power sockets with protective earth. The use of incorrect connection voids warranty.
- This program may be modified at any time without prior notification.
- Do not open the case; there is nothing that needs servicing inside it. Nevertheless, if the case must be opened, you must call for some qualified personnel. The power supply cable must be disconnected before opening the case.
- During the transport of all Swiss Timing equipment delivered with a reusable carry case, the said case should be used at all times. This is imperative to limit the damage, such as shocks or vibration that can be caused to the units during transport.
- The same cases should also be used when returning equipment to Swiss Timing for repair. Swiss Timing reserves the right to refuse all guarantees if this condition is not fulfilled.
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## 1 INTRODUCTION

### About This Document

This document is intended to provide guidance on installing and running the BOXING SCORING SYSTEM 2013 (BSS2013). Chapter 2 provides information on installing the hardware components as well as an installation guide for the Scoring Software (WINBPM). Chapters 3 to 7 provide detailed instruction on how to manage and run amateur boxing events with WINBPM. The last chapter is intended to help on common problems with the hardware and software component.

### Related Documents

- BSS2013 Hardware Manual

### About the Boxing Scoring System 2013

Established features known from the previous version such as automatic draw of boxers and judges, full competition management and comprehensive list functions still build the core of the BSS2013. Beyond that the BSS2013 has undergone an extensive enlargement. Following the revolutionary remake and standardization of AIBA Technical and Competition Rules, two additional AIBA programs have been included. When creating a new event the user can now choose between AOB, APB or WSB competitions. BSS2013 then ensures the full compliance with the current AIBA Technical and Competition Rules.

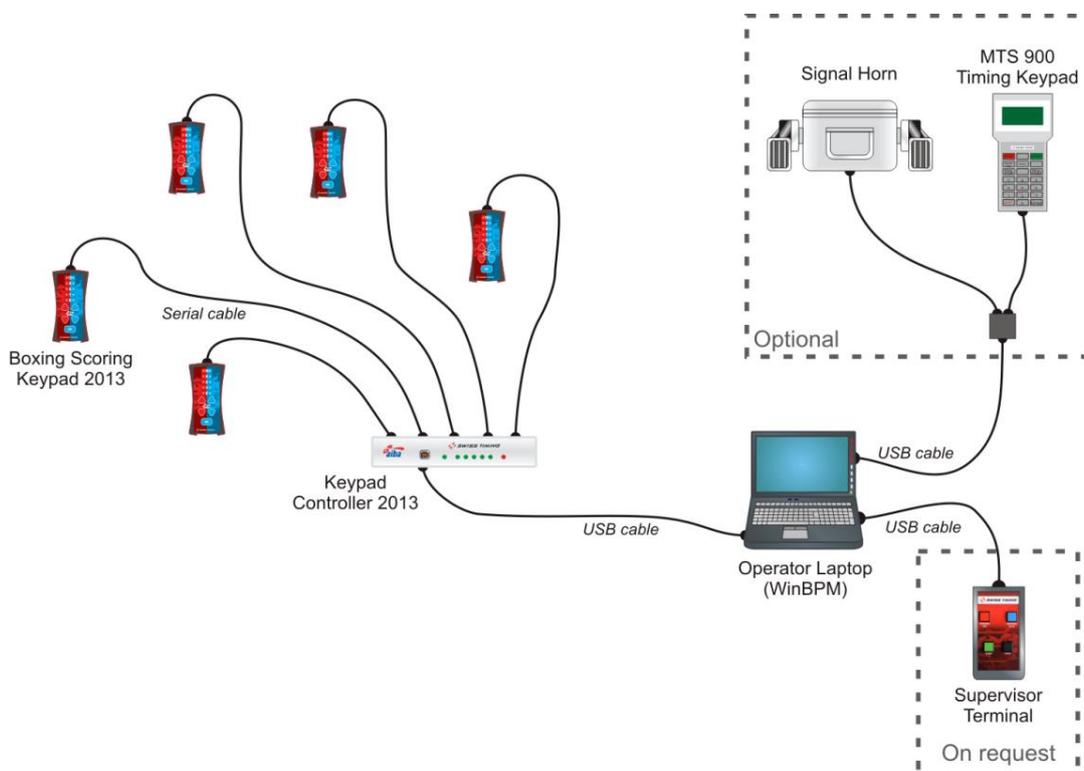


Figure 1 - Basic Concept of BSS2013

## 2 SETUP

This chapter provides information on how to install the supplied software application WinBPM 3.0.

### 2.1 System Requirements

#### 2.1.1 General

The following hardware and software requirements have to be met for installing and operating WinBPM 3.0:

- Windows 2000/XP/Vista/7 (32/64bit) operating system
- 1024x786 pixels monitor resolution
- 100MB of free hard disk storage
- 128 RAM
- Two or more free USB ports
- CD/DVD-ROM drive for installing WinBPM and additional software components
- Mouse and Keyboard

#### 2.1.2 Troubleshooting Windows 7 & Vista Display Problems

When using WinBPM 3.0 with Windows Vista or 7 there might occur display problems in the application, such as missing scroll bars or misaligned window and dialog layouts. This happens when you use a non-standard font scaling in Windows Vista/7. The only current workaround is changing the font scaling to the standard setting (100%).

To change the font scaling in Windows 7/Vista to the standard setting, proceed as follows:

1. Open the Control Panel by clicking the Windows Start button and then choosing Control Panel.
2. In the Control Panel, choose "Appearance" > "Display"
3. Select 'Smaller - 100% (default)' (see following screenshot).
4. Click [Apply] to save the new settings.

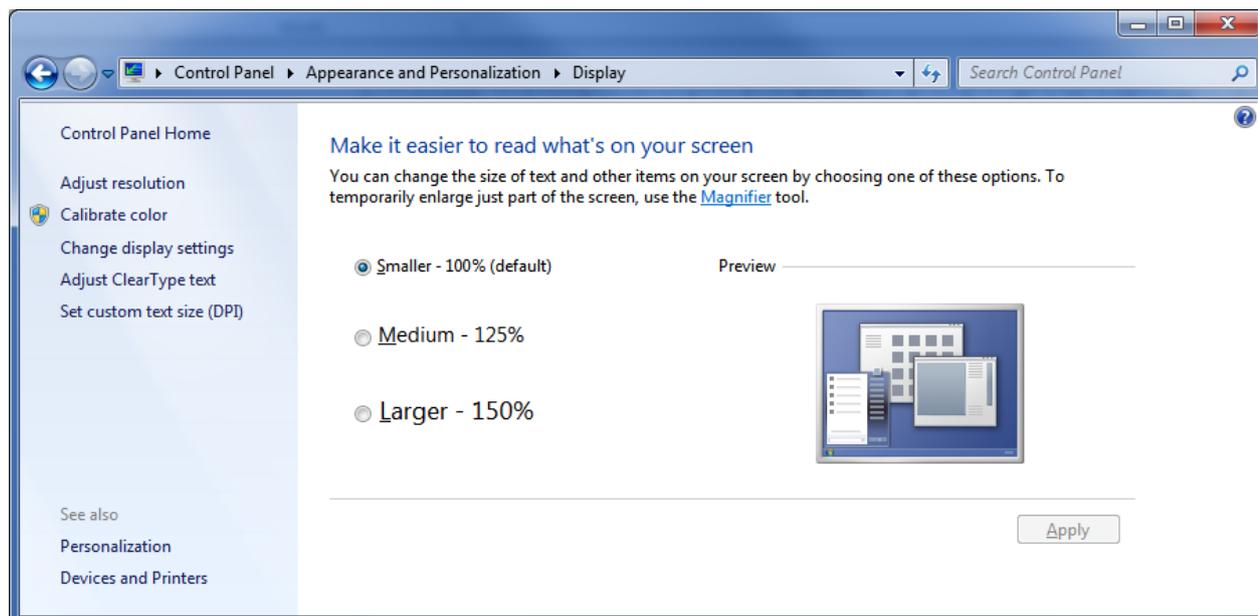


Figure 2 - Changing the font scale in Windows 7

## 2.2 Software Installation

Before installing WinBPM 3.0 please uninstall any previous version of the WINBPM on your PC. To install WinBPM, simply run the setup file provided on the supplied CD-ROM and follow the instructions of the installer. When prompted for the registry key enter the code provided on the backside of the CD cover.

Besides WinBPM, the following additional software components will be installed during setup:

- FTDI driver
- USB Hardlock device driver
- Borderland Database Engine 5.1
- Sans Serif font and Arial font

Should any previous version of WinBPM be uninstalled after the successful installation of the new version please run the setup for WinBPM 3.0 again selecting "Open Scoring Application" as the only installation required.

## 2.3 Hardware Installation

Follow the information provided in the supplied "BSS2013 Hardware Manual" (after the installation to be found in your document folder) to install and operate the hardware components.

## 2.4 Basic WinBPMSetup

After installing and connecting the hardware components, you'll have to make some basic settings within WinBPM in order to properly use the application. First, launch WinBPM by double-clicking its icon on the desktop.

From the application's menu bar, choose "Combox" > "Setup" (see following screenshot).

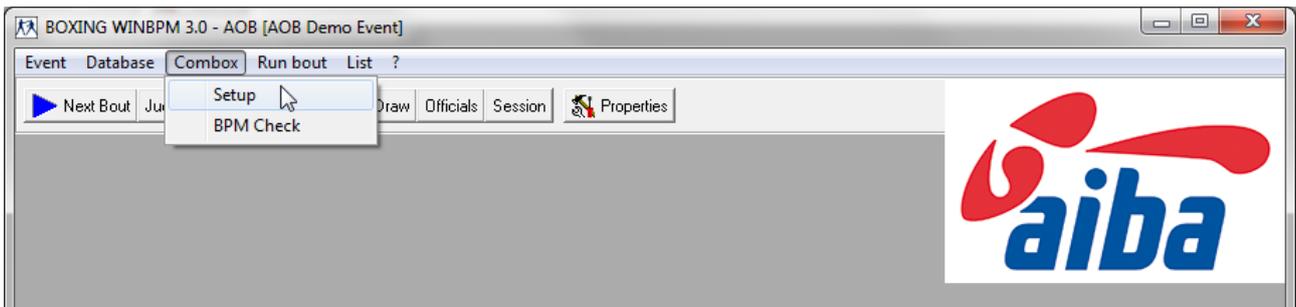


Figure 3 - Combox Setup Menu

This will open the "Setup Combox" dialog where you can make various hardware and network connection settings.

You can always click [Abort] to close the dialog without saving any changed values.

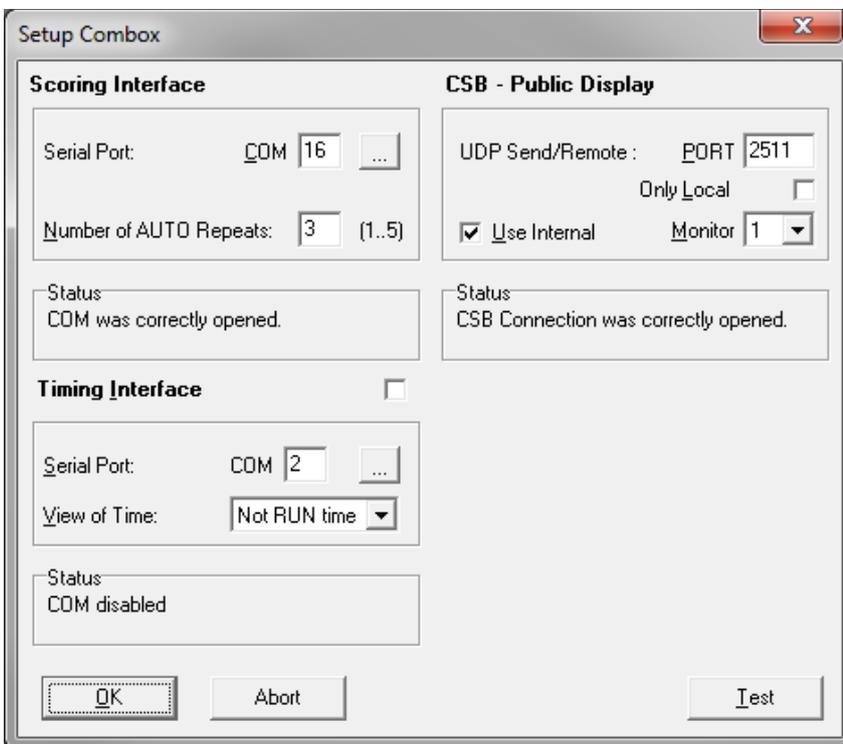


Figure 4 - Setup Combox

#### **2.4.1 Selecting the necessary COM Ports**

Within the panes "Scoring Interface" and "Timing Interface" you have to set up COM ports over which both, Keypad Controller (BSC2013) and Timing keypad are connected to the computer (refer also to the "BSS2013 Hardware Manual").

In each pane, click [...] to select an available port from a list. If known, you may also enter the appropriate COM port in the respective text box "COM". The serial connection status will be indicated in the "Status" pane.

The value in the text box "Number of AUTO Repeats" determines the number of connection attempts for the selected COM port. The highest number of attempts you can set here is '5'.

#### **2.4.2 Configuring a Public Display**

You can set up a public display to present the scores to an audience. In order to be able to set up a second display, it must be connected to an available second display connector (or second graphics card) and the necessary display drivers must be installed.

To enable a public display at the second display connector, select '2' from the drop-down menu "Monitor" in the "CSB – Public Display" pane. Furthermore, you need to activate the 'Use Internal' option (default setting) and disable the 'Only Local' option (default setting) in order to enable the Public Display.

#### **2.4.3 Configuring the UDP Send/Remote Port**

It is possible to start the separated Public Display application on any other PC connected via network. In order to use the network connection the Port parameter defines the protocol port (enable this port in the firewall settings).

Click [OK] to save settings and close the dialog.

## 2.5 Assigning Keypads

As WinBPM is able to read and assign the IDs of the connected keypads, it allows the application to identify the Judges and the score they have entered.

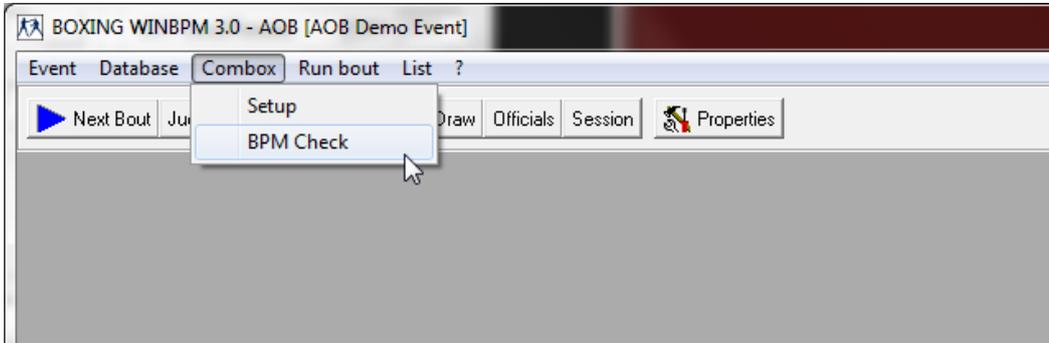


Figure 5 - Combox BPM Check

### 2.5.1 General Procedure

In order to assign the individual keypads, proceed as follows:

1. Make sure, you've properly set up the Keypad Controller (BSC2013) in WinBPM.
2. Choose "Combox" > "BPM Check" from the menu bar.
3. Select the option 'Assign' in the lower part of the "Check Keypads" dialog (see following screenshot).

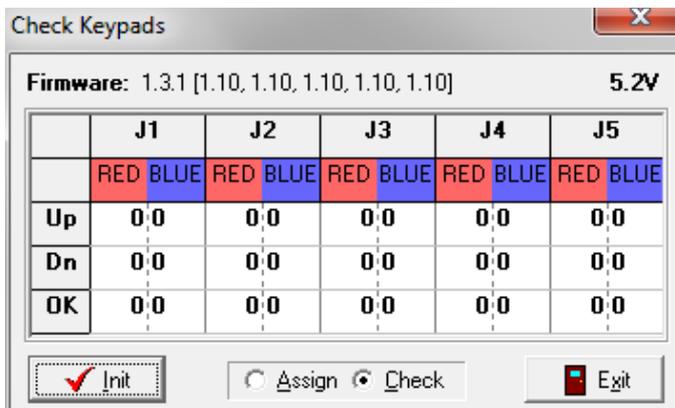


Figure 6 - Assign Keypads

4. Press any of the buttons on the first keypad that you want to assign. As a result, one of the values in the first column "J1" of the table will change (most likely from '0' to '1').
5. Now press a button on the second keypad that you want to assign. You'll notice that a value in the second column "J2" changes.
6. Repeat the procedure for the remaining keypads that you want to assign.

7. Click [Exit] to save the assignments and close the dialog.

If you've assigned fewer keypads than connected to the computer, the following dialog box will warn you.

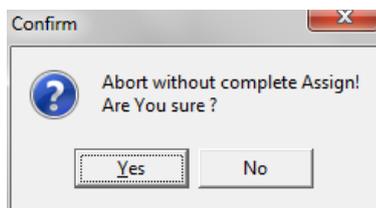


Figure 7 - Assignment Confirmation Box

Click [No] to repeat the assignment process.

**Note:** If the number of keypads changes during a competition, you'll always have to reassign the keypads.

### 2.5.2 Checking Assignments

You can just check the assignment of a keypad by leaving the option 'Check' activated when opening the dialog. Pressing a button on the concerning keypad will change a value in the column (J1...J5) to which the keypad has been assigned.

**Note:** You can also use this function to check the functioning of particular buttons on a keypad.

### 2.5.3 Keypad Troubleshooting

It takes a few seconds for an exchanged or re-connected keypad (or even the Keypad Controller) to connect to the controller and to signal its availability to the PC. Just wait a short moment until the newly connected keypad and controller become ready to use.

If there is no connection to one of the keypads the “BPM Check” displays the following dialog box.

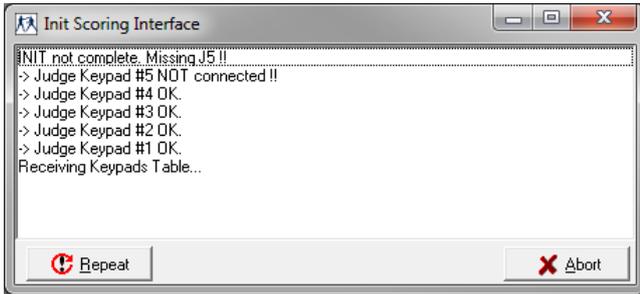


Figure 8 - Disconnected keypad

In such case check the keypad cabling and click [Repeat] to re-initialize the keypads. If this does not solve the problem, run a reset of the Controller (connect and disconnect the controller from the PC) and [Repeat] again.

Should the connection to one of the keypads get lost during a bout, the yellow status field in the upper right corner of the bout screen is to be observed. An exclamation mark appears to the right of the concerned judge (J5 in the example below).

Bout		ROUND 1				Running				
REF						0:16				
Weight	RED					J1	J2	J3	J4	J5 !
	BLUE					W	W	K	K	
	A	B	C							
R1										

Figure 9 - Disconnected keypad during a bout

If feasible check the cabling of that keypad. Once it is reconnected properly the exclamation mark disappears automatically and the keypad can be used without any further action.

If the issue still exists when clicking [End Rn] the BPM Check dialog box appears (see Figure 8). Click [Repeat] after having checked the connectivity again. Click [Abort] if no quick fix is possible.

The dialog box disappears and the status turns from “Running” to “Scores?” in the upper right status field of the bout screen. Inform the supervisor about the missing keypad so that they can collect a score card from the respective judges.

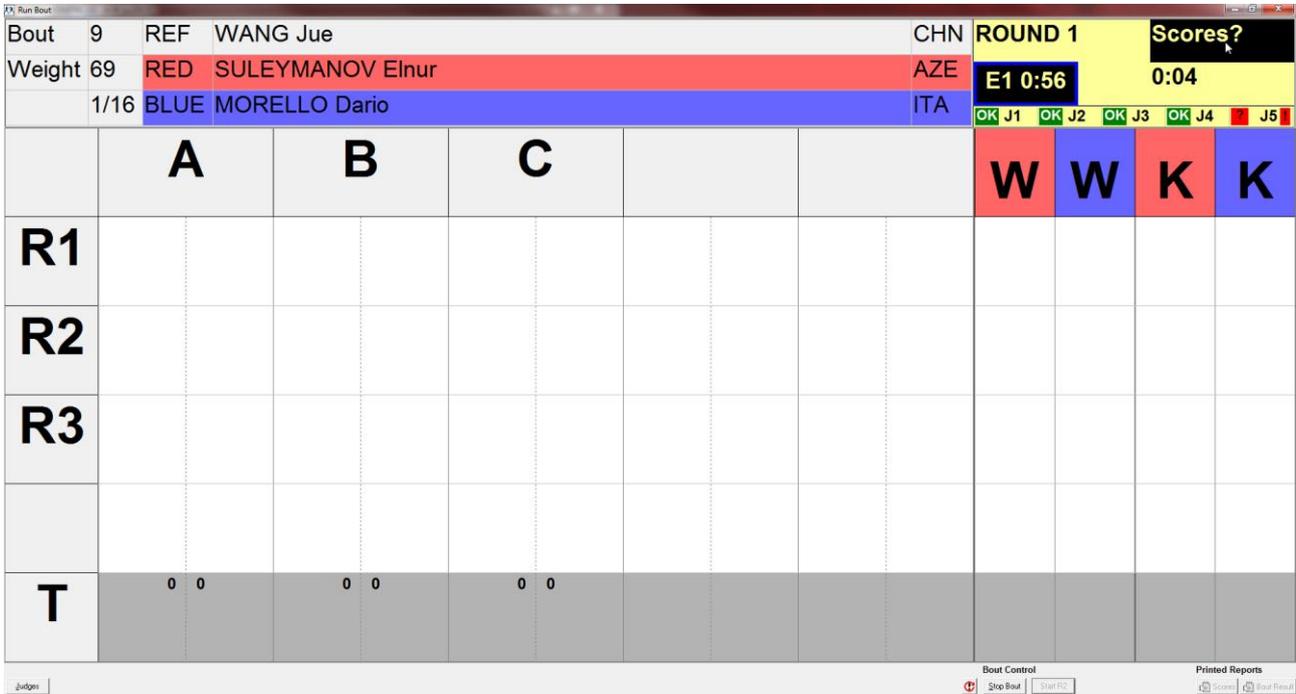


Figure 10 - Missing score due to faulty keypad

Click on the black background surrounding “Scores?” to open the “Edit Scores” dialog.

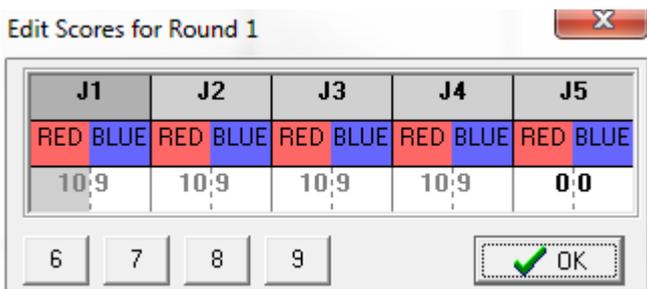
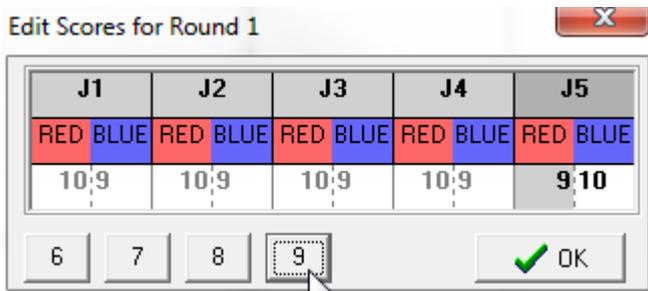


Figure 11 - Edit score dialog

The grids of the judges who were able to enter their scores are greyed out while the grid of the missing keypad / missing judge is editable. Place the cursor in the editable cell of the boxer who lost that round according to the received score card.

Click the awarded score on the lower left pane. The score of the boxer who won that round automatically turns to 10. Double check whether the entered score is correct and close the dialog by clicking on [OK].



The screenshot shows a dialog box titled "Edit Scores for Round 1" with a close button (X) in the top right corner. The dialog contains a table with five columns labeled J1, J2, J3, J4, and J5. Each column has two rows: the first row is split into "RED" and "BLUE" sections, and the second row shows a score. Below the table is a numeric keypad with buttons for 6, 7, 8, and 9, and an "OK" button with a green checkmark. A mouse cursor is pointing at the "9" button.

J1	J2	J3	J4	J5
RED BLUE				
10:9	10:9	10:9	10:9	9:10

6 7 8 9 OK

Figure 12 - Enter the score according to the score card

### 3 MANAGING AN AOB EVENT

#### 3.1 Using the Speed Bar

The Speed Bar is located just below the menu bar. Using this special toolbar, you can quickly access important menus or perform recurring tasks.

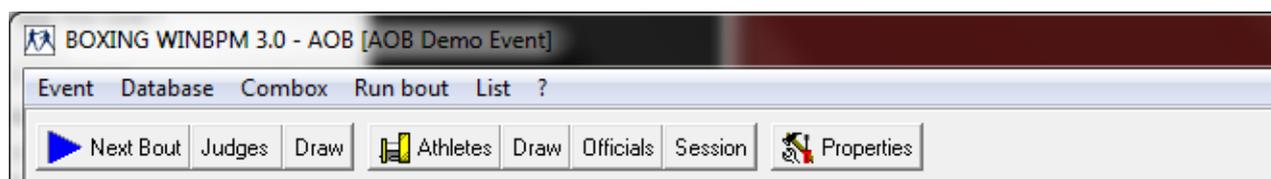


Figure 13 - Speed Bar

Symbol	Description
Next Bout	Start next bout (see chapter 6)
Judges	Edit Judges Information (see section 0)
Draw	Draw Judges (see section 5.2)
Athletes	Athletes Database (see section 4.2)
Draw	Draw Athletes (see section 5.1)
Officials	Officials Database (see section 0)
Session	Review bout list and manually change a bout (see section 5.5)
	This feature provides an overview on bouts that are still open in this session as well as about the continued session and its results. You can also select a different bout from another session to start.
Properties	Event Properties (see section 0)

#### 3.2 Creating a New Event

To create a new event in WinBPM, proceed as follows:

1. Choose "Event" > "New Event" from the menu bar.
2. Enter a name in the text box "Event Name"
3. Click on the desired competition format (AOB, APB, WSB or Import).

The event's project file (CAT file) as well as the required project folders will then be created automatically.



Figure 14 - Creating a new project

### 3.3 Import of Events

This feature is used to import XML files from the respective AIBA program database. This function is only available if the event is supported by the AIBA databases.

### 3.4 Managing Existing Events

Choose "Event" > "Open Event" to see a list of any existing events.

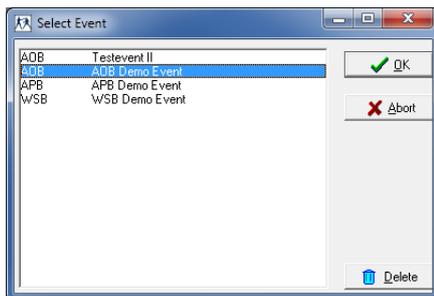


Figure 15 - Choosing an event

#### 3.4.1 Open an Event

To open a certain event in WinBPM, just double-click that event in the list on the "Select Event" dialog.

#### 3.4.2 Deleting an Event

To delete an event from the Open Event dialog, select it in the list and click [Delete].

### 3.5 Updating the Teams database

Choose "Database" > "Teams" from the menu bar to open the "Edit Teams" dialog.

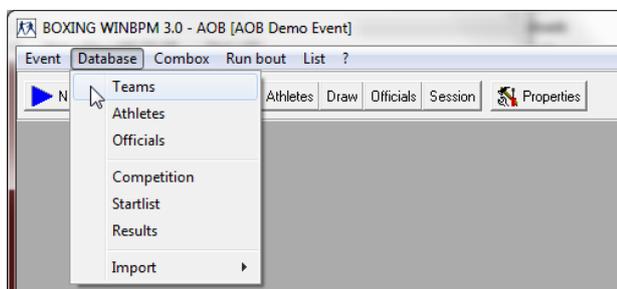


Figure 16 - Opening the edit teams dialog

On the dialog (see screenshot below), select the desired team in the list. You can edit or delete the team and enter additional information such as head coach, team officials, athletes, etc.

**Note:** No Teams are listed as long as the function "Import" < "Teams from Athletes" (see section 4.8) has not been executed.

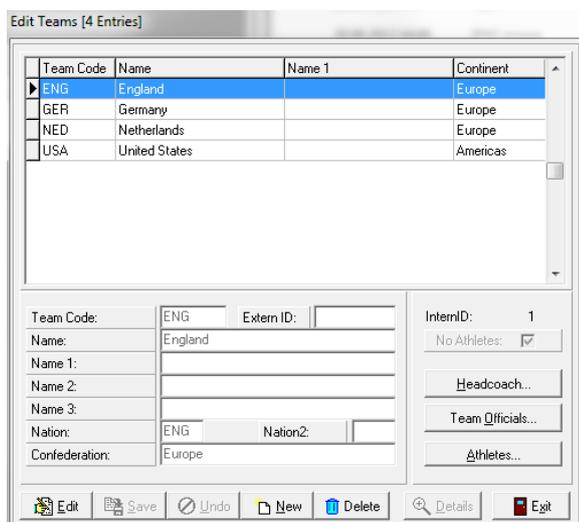


Figure 17 - Edit teams dialog

It may occur that after choosing "Import" > "Teams from Athletes" a team code appears in the list that misses a name and continent.

In such a case, check the right spelling of the respective team code in the Athletes and/or officials database and correct it if necessary. If such Team Code has been used intentionally you are free to enter your preferred name for that Team.

### 3.6 Set Event Properties

Choose "Event" > "Properties" from the menu bar to open the "Properties" dialog for the currently opened event.

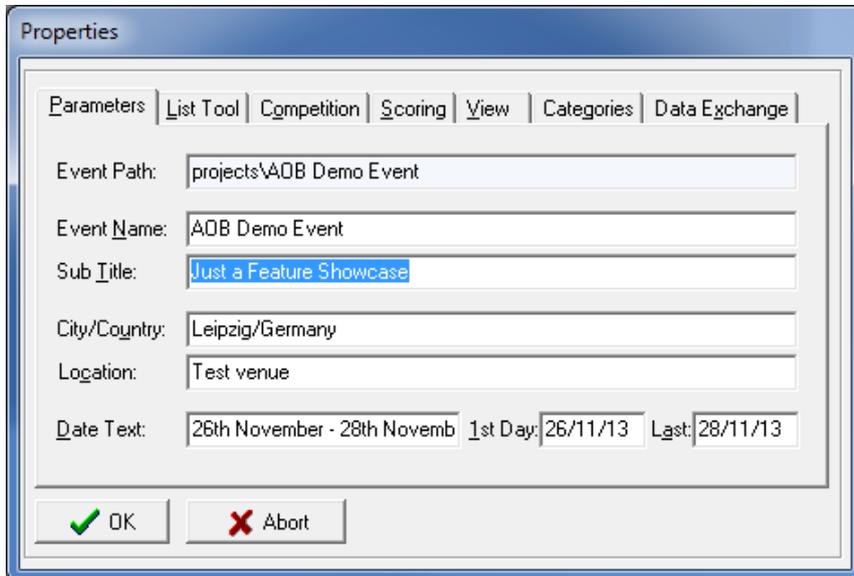


Figure 18 - Parameters tab (Properties)

#### 3.6.1 Event Parameters

The <Parameters> tab is used to enter event name, start and finish of the event. Confirm your changes by clicking [OK] or cancel your changes by clicking [Abort].

**Note:** The name you enter here as an "Event Name" is automatically used to create an event path of the same name within your local project folder.

**Note:** As information you provide heremay visible on lists and printouts, be careful when entering this information.

### 3.6.2 List tool

Click the <List Tool> tab to see and change the settings for the List Tool. The List Tool is an external application that handles the list printing features of BSS2013. The "Listtool.exe" file (inside the FMT folder) connects data (CP files) and layout (fmt files) to print certain information in the layout required for a certain type and/or status of a competition.

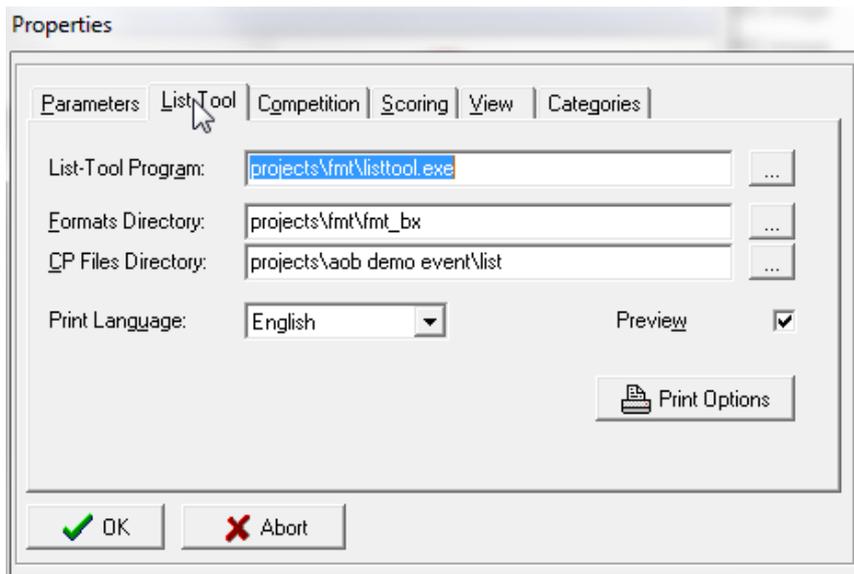


Figure 19- List tool tab (Properties)

The <List Tool> tab on the "Properties" dialog is used to set the List Tool parameters, print language settings and options such as title, font size, table heads, lines etc. for the individual lists.

The [Formats Directory] contains the layout files in different subdirectories. The root directory is 'FMT\_BX'. The default setting files are located in 'FMT\FMT\_BX\STD'.

The [CP Files Directory] contains data to be printed. The default setting is to have the list in the project folder.

The drop-down list box "Print Language" provides languages that can be used for list printing (irregardless of the system language set on the PC).

All files relevant for the language setting are found in the FMT\FMT-BX folder:

#### Language 1:

'BX_Basic_Defs_language1.cp'	General list texts and definitions
'BX_Title_Defs_language1.cp'	List title, one entry per list
'BX_DataHead_Defs_language1.cp'	Table header and other individual texts, one entry per list
'BX_Legend_Defs_language1.cp'	Legends and notes, one entry per list

**Language 2:**

'BX\_Basic\_Defs\_language2.cp'  
'BX\_DataHead\_Defs\_language2.cp'  
'BX\_Legend\_Defs\_language2.cp'  
'BX\_Title\_Defs\_language2.cp'

**Language 2:**

'BX\_Basic\_Defs\_language3.cp'  
'BX\_DataHead\_Defs\_language3.cp'  
'BX\_Legend\_Defs\_language3.cp'  
'BX\_Title\_Defs\_language3.cp'

Some elements (e.g. in "Properties" > "Category", like 'Officials functions', 'phases' or 'weight' categories) can be freely defined for the user interface and the lists.

If the language is selected using the List Tool, the corresponding language is activated. The texts in above text files can be modified, and other languages can be added. It is recommended to keep the individual languages; one line per language. The currently active language is marked with an x in the beginning of the line, i.e.:

```
x;ENG;Continent;Team;Total;Boxers;Entries by kg;;;;;;;;;;;;;  
;GER;Kontinent;Nation;Total;Boxer;Anzahl Athleten pro Gewichtsklasse;;;;;;;;;;;;;
```

To confirm your changes in the "Properties" dialog, click [OK].

If the option 'Preview' is activated in the <List Tool> tab, List Tool provides you with quick preview before starting the printout. The print itself can be started from the preview screen. This feature is useful if the output should be sent to a different printer than the Windows default printer.

**List tool Print Options**

Click [Print Options] on the <List Tool> tab to open the "Print Options" dialog.

In order to adapt the layout to the individual needs, the "Print Option" dialog offers several options. For better overview, the individual parameters are sorted in subcategories

Distances of frames, lines and picture elements are always indicated in tenth millimeters. Some fields can be filled by simply clicking on them and marking them with an x. If x is visible, the corresponding element is indicated on the list. If the x is missing, the program does not indicate the corresponding elements on the list.

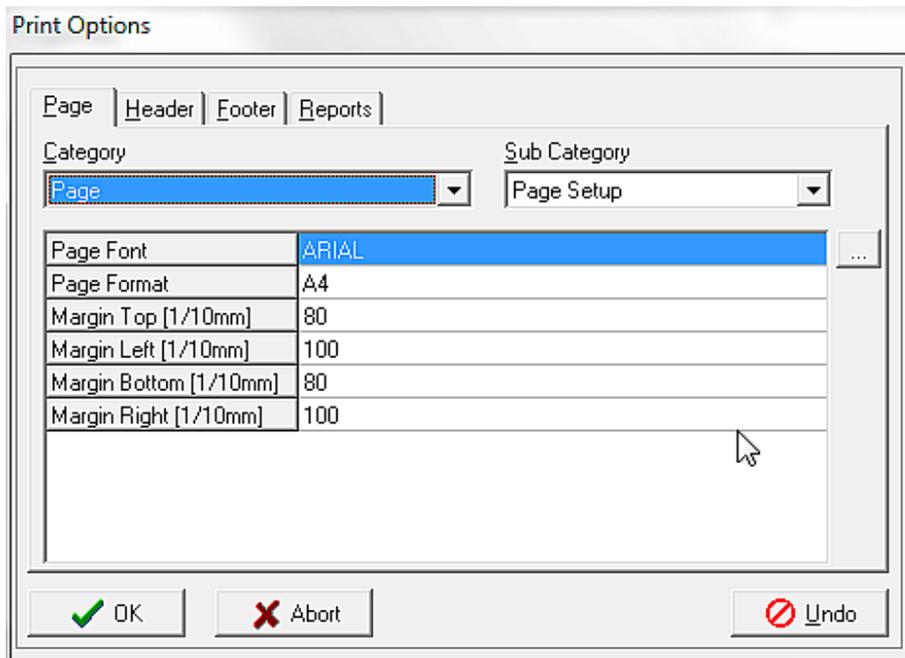


Figure 20 - Page tab (Print Options)

The <Page> tab provides you with general settings for the list layout. This includes font, paper format and frames. Selecting 'AddHead Font Sizes' from the "Sub category" drop-down list box allows you to change the font size of certain elements and headers.

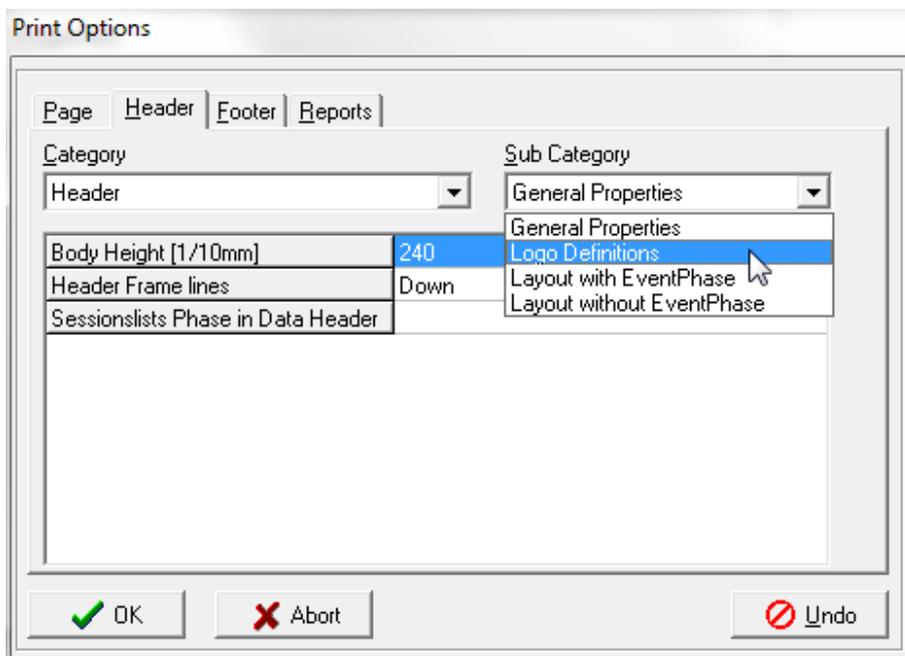


Figure 21 - Header tab (Print Options)

The <Header> tab provides you with several header settings options, including header sizing and separator definitions.

Selecting 'Logo Definitions' from the "Sub Category" drop-down list box allows you to define relevant data necessary to show logos on the lists. Relevant data include filename of the picture, size, exact location on the list header and distance between logo and text.

A total of three logos (left, centered, right) can be defined.

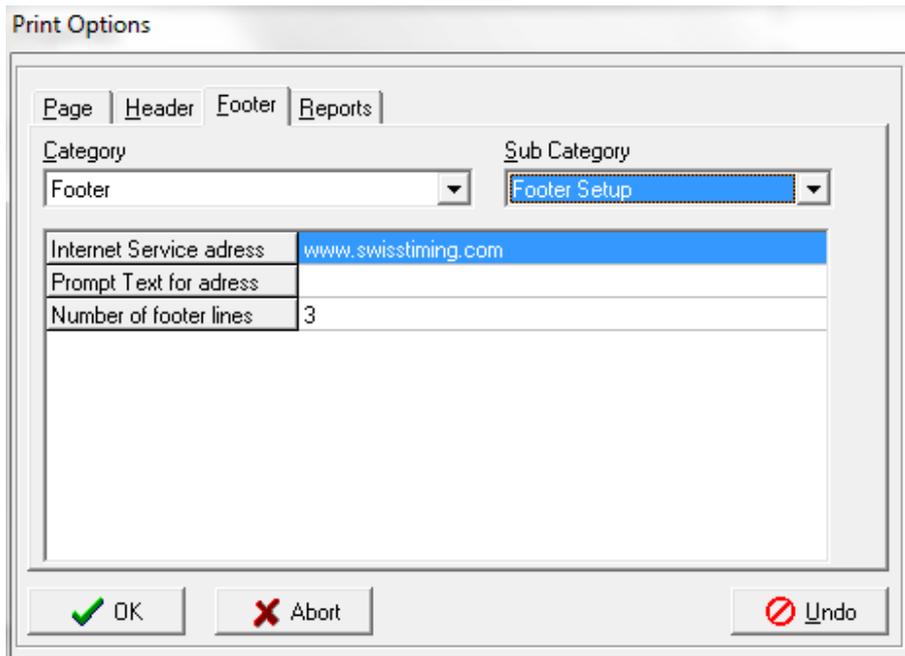


Figure 22 - Footer tab (Print Options)

The <Footer> tab is used for defining the text to appear in the footer section. Differently aligned text elements are available - Text 1, 2, 3 (left, centered, right). The content can be set as desired. In addition, you can enter additional information such as an Internet address.

Selecting 'Logo Definitions' or 'Foot Lines Definitions' from the drop-down list "Sub Category" box provides you with additional layout settings for footer texts as well as the logo.

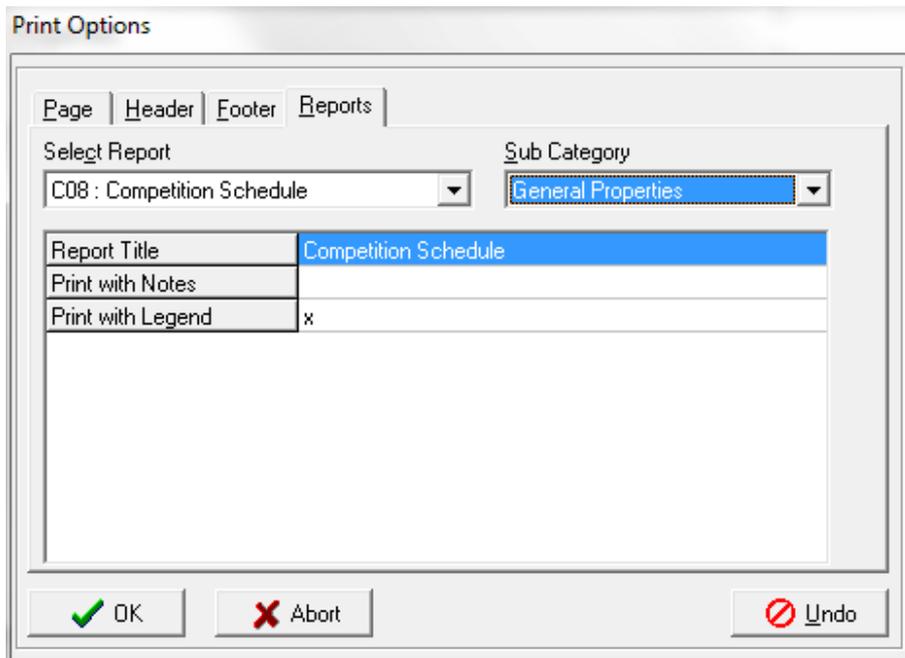


Figure 23 - Reports tab (Print Options)

The <Reports> tab provides you with a number of settings for the individual lists. Select the list you wish to modify from the "Select Report" drop-down list box.

Selecting 'General Properties' in the "Sub Category" list box allows you to enter a list name and to define, whether notes and legends will be printed on the list. The currently indicated names and name modifications are assigned to the currently selected list language (see Figure 19).

Click [Undo] to reset the changes you've made on the currently opened tab. Click [OK] to confirm your changes and return to the "Properties" dialog. Or click [Abort] to cancel any settings you made.

### 3.6.3 Competition Settings

Click the <Competition> tab to review and change general competition settings.

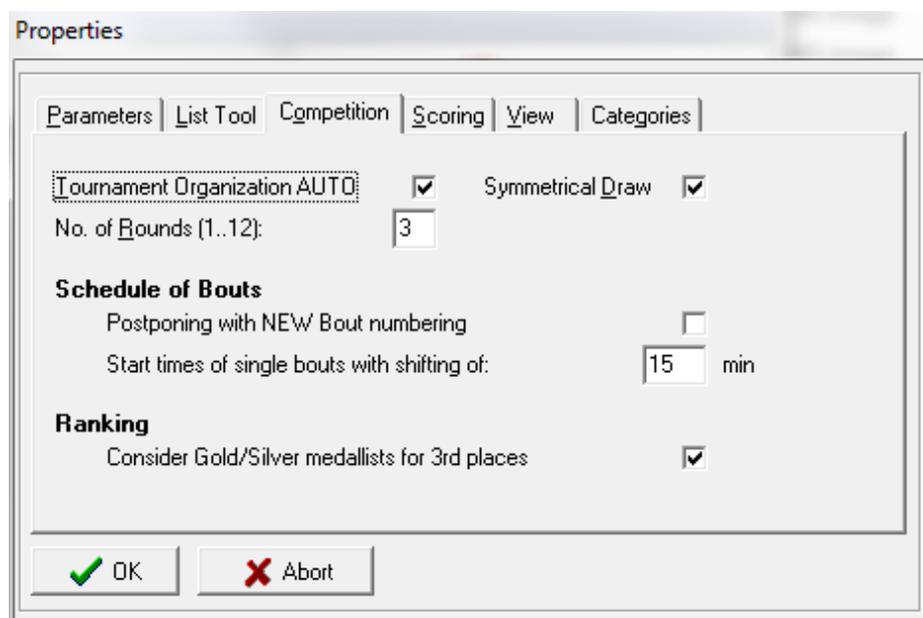


Figure 24 - Competition tab (Properties)

#### Tournament Organization Options

If the option "Tournament Organization AUTO" is activated, WinBPM handles the competition progress automatically. For example, as soon as you enter information on sessions and athletes (incl. draw numbers > draw sheet start status), the first sessions are scheduled automatically.

As soon as the result of the bout is available, the winner is taken over to the next session (K.O. system).

If the option "Tournament Organization AUTO" is not activated, the K.O. mode is not applied and the tournament is carried out in a different mode. The following settings are applicable:

- Pairings are not done automatically
- Session Schedule (rounds per session) is created; however, the fields FINAL (1/32, 1/16, 1/8, etc.) and FNR (running numbering within the final round) remain empty. Both of these fields can be edited in the edit bout dialog of the database (see section0).
- Ranks are not calculated.
- Competition database: check line is invisible
- Draw can be done as usual. If necessary, the column "Draw" in the "Athletes" dialog can be edited.
- Draw list can be created, if the [Draw] list field ('Athletes.DBF') as well as the [FINAL] and [FNR] fields ('Bouts.DBF') make sense (They may be entered manually afterwards.).
- Regarding the button [StartasNext] in the session ("Database" > "Startlist"): Any unfinished competition can be opened as next fight. Unfinished competitions have no winner entry yet.

### Symmetrical Draw

The feature has been added to the WinBPM in order to conveniently run the draw in accordance with the latest AIBA rules when using seeds.

### Numbers of Rounds

The field "No. of Rounds [0..5]" defines the number of rounds in a single bout.

### Schedule of Bouts

If the checkbox 'Postponing with NEW Bout numbering' is activated, the bout that has been postponed in the schedule ("Database" > "Startlist") receives a new bout number (new position). The remaining bout numbers move up accordingly, thereby ordering the bout numbers correctly again. If the checkbox is deactivated, a postponed bout keeps its original bout number.

The field "Start time of single bouts with shifting of" contains the shift (in minutes) for a scheduled start of the following bout (seeFigure 24). For sessions with a fixed time difference between two bouts (e.g. as requested by TV), we recommend to enter a certain value. Then re-calculate the start times of the individual bouts.

Choose "Database" > "Competition" from the menu bar to open the "Edit Sessions" dialog (see following figure).

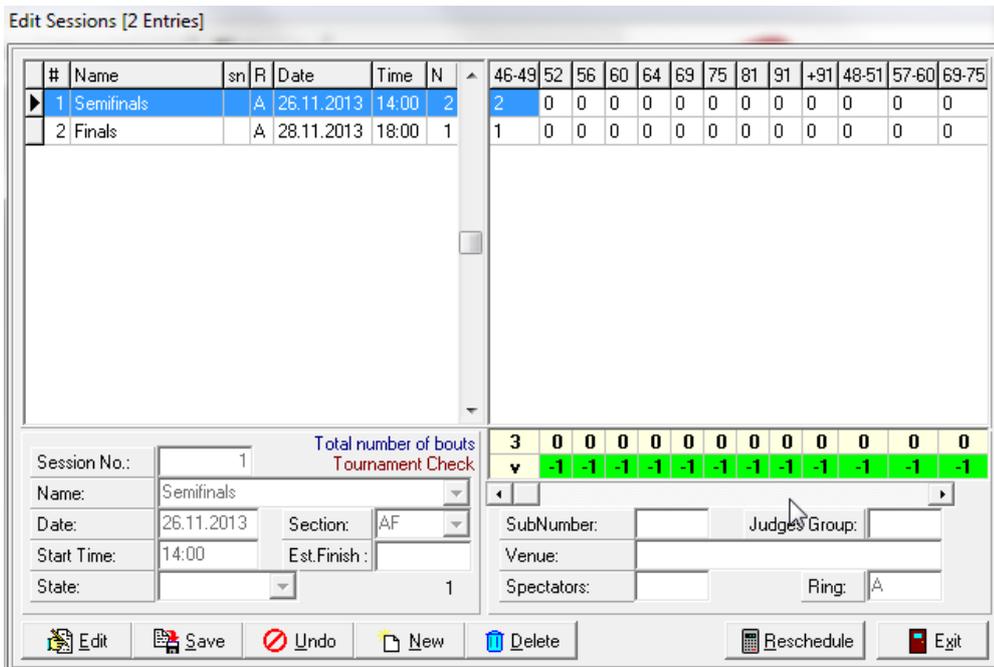


Figure 25 - Edit Sessions

Select the desired session in the list pane and click [Edit]. Enter the start time of the session and add the corresponding time for the individual bouts. If you activate the start time column of the list options (for list C58 Session Schedule and C58F Finals Schedule), these times are also printed.

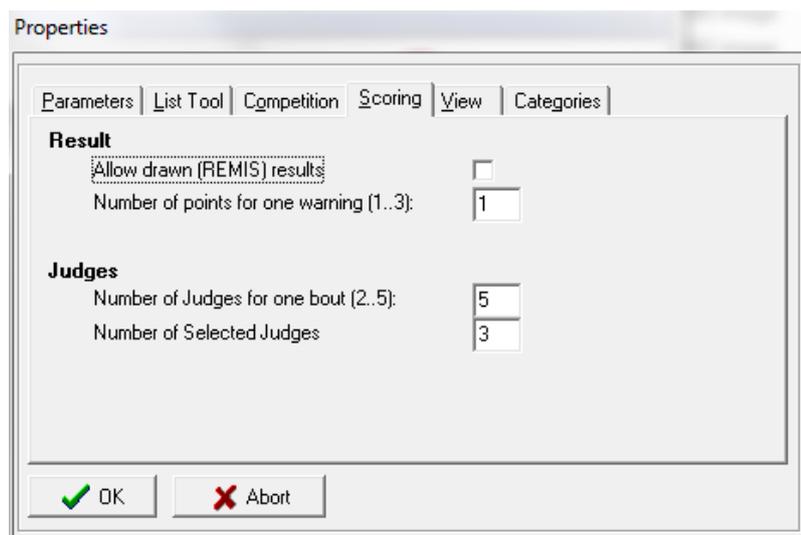
## RankingPane

Third ranks are sorted on the lists according to the set criterion in "Consider against Gold/Silver for 3rd places", which can be found in "Database" > "Properties" > "Competition". If this option is activated, the loser against the Gold medalist is ranked higher than the loser against the Silver medalist. If de-activated, the sorting order is the alphabetical NOC order (same as after the Semi finals).

Confirm with [OK] or cancel your selection using the [Abort].

### 3.6.4 Scoring Settings

The <Scoring> tab on the "Properties" dialog provides basic scoring settings for individual bouts.



Section	Setting	Value
Result	Allow drawn (REMIS) results	<input type="checkbox"/>
	Number of points for one warning (1..3)	1
Judges	Number of Judges for one bout (2..5)	5
	Number of Selected Judges	3

Figure 26 - Scoring tab (Properties)

### Result Pane

If the option "Allow drawn (REMIS) results" is activated, the bout can be finished with a draw. If this option is not activated (default setting) and in case of the same total score (draw), the following AIBA rule is applied:

**Rule:** In the event the total scores awarded by each Judge, including any deduction, are equal at the end of the Bout, Judges must record in the Scoring System who in their opinion is the winner of the Bout.

If such a drawn result occurs after the final round, the following dialog box will show up:

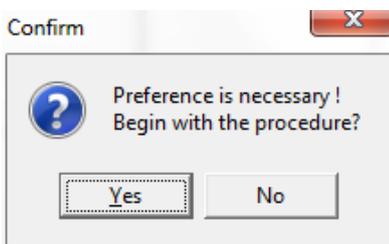


Figure 27 - Preference confirmation

After clicking [Yes] you will be presented with the following screen:

Bout 1 REF						ROUND 3 STOP				
Weight 46-49 RED MUSTERMANN Max GER						PREFERENCE !				
1/2 BLUE van der WIEL Clarence NED						J1	J2	J3	J4	J5
	A	B	C			W	W	K	K	
R1	9 10	9 10	9 10							
R2	8 10	8 10	8 10							
R3	10 7	10 7	10 7							
T	27 27	27 27	27 27							

Figure 28 - Preference decision (Bout Screen)

Each of the judges is now asked to choose one corner, red or blue, and press the associated color button on their keypad to decide the winning boxer of the bout.

### Judges Pane

The text box "Number of Judges for one bout (2...5)" sets the overall number of judges nominated for one bout.

The text box "Number of Selected Judges" sets the number of judges which are randomly selected at the beginning of each bout.

### 3.6.5 View Tab

The <View> tab on the "Properties" dialog provides settings concerning the display of judges information.

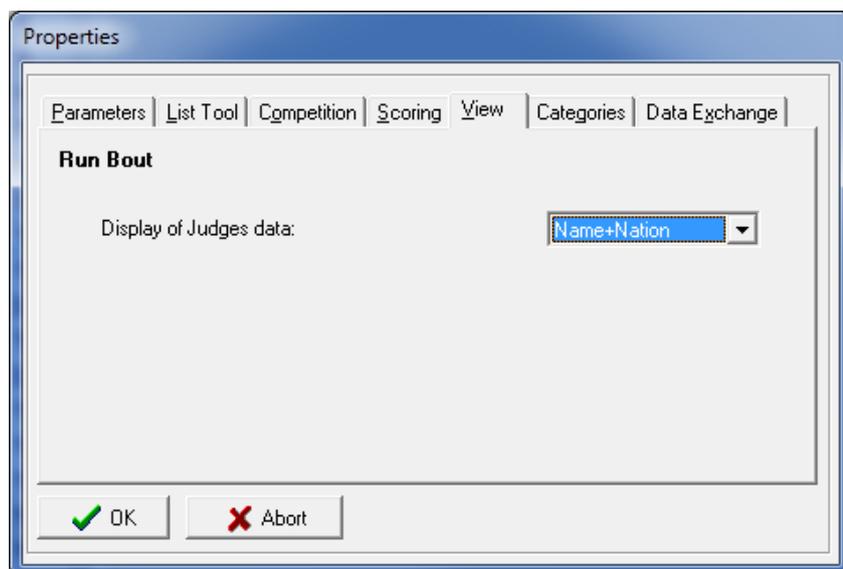


Figure 29 - View tab (Properties)

From the drop-down list you can choose, whether 'Only Nation' or 'Name+Nation' of the judges are shown on the Bout Screen.

Confirm by clicking [OK] or cancel your changes by clicking [Abort].

### 3.6.6 Categories Tab

The <Categories> tab is used to enter settings for data input of Athletes, Team Officials, Judges, etc. and for Competition Control DB State, Result Codes etc. and data output on several lists.

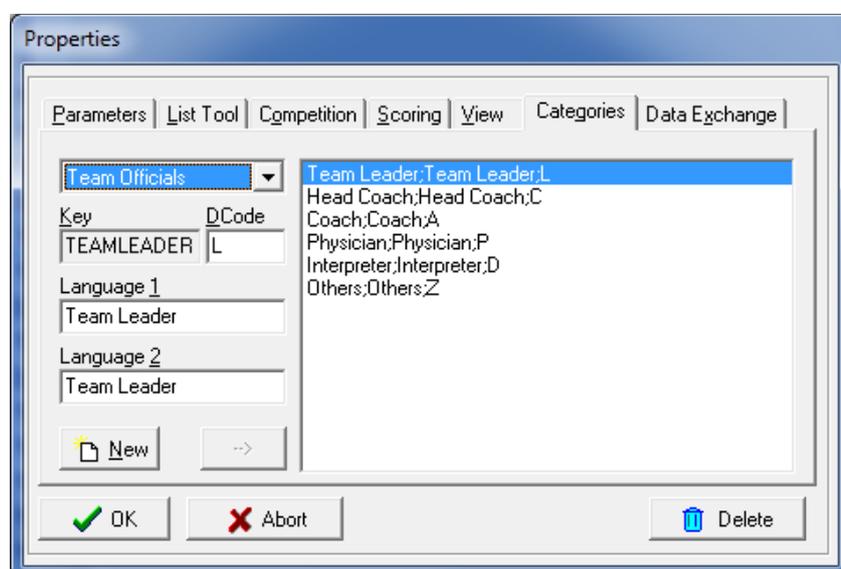


Figure 30 - Categories tab (Properties)

### Fundamental Notes

For most of the categories, the following scheme applies:

"Key"	Key field
"Language1"	Text for language1, depending on the output type: menu language (UI) or list
"Language (PRINT)"	
"Language2"	Text for language 2
"Index"	Additional options

The following fixed items (selectable from the upper left drop-down list) are defined for some categories. These items cannot be deleted. In most cases, any number of new entries can be created except for 'Draw Projection'.

### Team Officials

Entry 'Team Officials' contains the function of the Team Officials. The lists C32A and C32XA are used for the output. There are 4 fixed categories: Team Leader, Head Coach, Coach and Physician. In addition, it includes Interpreter and Others.

### Officials

Entry 'Officials' contains the available functions to be set in "Database" > "Officials" > "Status". The lists C35 and C35B (in list language) are used as output. The sorting order on the list is in accordance with ItemIndex (for each list block). There are 6 fixed categories: TD (can be renamed to Supervisor in the "Language 1" and "Language 2" fields), Jury, Medical, Main Referee, Neutral Judge, RJ. In addition, you can enter Guest of Honor and add any further functions.

### Phases

Entry 'Phases' contains the available tournament phases to be set in "Database" > "Competition" > "Name". It is used in all lists that include a phase in their header, including session lists such as C58 and C74 and bout lists (C65A, C73). You can add any number of phases.

### Print Languages

Entry 'Languages' contains all available languages, as provided through the <List Tool> tab (seeFigure 19).

### Athletes Add Data

Entry 'Athletes Add Data' contains additional fields to edit a boxer record in "Database" > "Athletes" > "Edit" > "Details". The following additional fields can be edited:

[Key]	Name of the DB field or name of a token in the APX field. Only DB fields are defined for Boxing.
[Prompt]	Label of the input field in the Details dialog
[Type]	<p>for all Add Data, incl. 'TeamAdd', 'TeamOffAdd', 'Off Add':</p> <ul style="list-style-type: none"> <li>▪ [EDIT]Entry is saved as token in the APX field. Depending on the number of token fields, a compsite field is created that has   as separators i.e. 12 wins by k.o.  </li> <li>▪ [DBEDIT]Entry is saved as DB field (in Key)</li> <li>▪ [CHECKBOX]If checked, x in the ApxDBField is put in the corresponding sub token</li> </ul>

The definition has no impact on the database structure and the list output (C32 Entry lists), but only on the data collection. Modifications are only used for the external use of data (i.e. data format dBase7).

### **Competition State**

Entry 'Competition State' is used to enter Competition State (progress/status) available in "Database" > "Competition" and "Database" > "Session" or "Database" > "Results". This feature is not used for internal purposes, but only if data are processed externally.

### **Deleted Records**

Entry 'Deleted Records' registers deleted datasets from the 4 basic DBFs: Athletes, Officials, TeamOff, Teams. However, this feature only records master data including Name, Nation, ExtID. Used as a reminder (note) in order to restore data.

### **Team Add Data**

Entry 'Team Add Data' defines additional fields to edit Team records in "Database" > "Teams" > "Edit" > "Details". It can be used to process data externally

### **Team Off Add Data**

Entry 'Team Off. Add Data' defines additional fields to edit TeamOff records in "Database" > "Teams" > "Team" > "Officials" > "Edit" > "Details". It can be used to process data externally.

### **Officials Add Data**

Entry 'Official Add Data' defines additional fields to edit an Officials record in "Database" > "Teams" > "Officials" > "Edit" > "Details". It can be used to process data externally.

### **Result Codes**

Entry 'Result Codes' defines the text in the "Stop" dialog. Eight categories are fixed in accordance with the AIBA rules. However, the user can add further Result Codes. These user codes also appear on list C84 (Tournament Statistics), if there are results for this Result Code.

### **Draw Projection**

Entry 'Draw Projection' defines the properties for presenting the draw of the boxers. In order to modify the draw in accordance with individual needs, color, font and size can be changed for the individual elements. Select the corresponding element from the right part of the window. Depending on the properties available, the left part of the window provides the corresponding selection dialogs.

The [Key] field shows the program-internal key for setting the property. It can, but should not be modified.

### **Name Formats**

Entry 'Name Formats': In addition to last and first name, three name entries exist for all of the three databases (Athletes, Officials and TeamOff): Report Name (DBField TVNAME1), Initial Name (TVNAME2) and TVName (TVNAME3). The first 2 names are used for the lists, while the third name can be used externally, if necessary. Use this menu command to make changes in the description of the fields in different dialogs.

### **Event Data**

Entry 'Event Data' defines special information on weight-in and draw for usage in the Weight-In list (C56). Namely, the start time of a Weight-In and the date of draw can be defined here.

Confirm by clicking [OK] or cancel your settings by clicking [Abort].

### 3.7 Managing Weight Categories

WinBPM provides a feature to freely define weight categories. Choose "Event" > "Weight Categories" from the menu bar to open the "Edit Weight Categories" dialog.

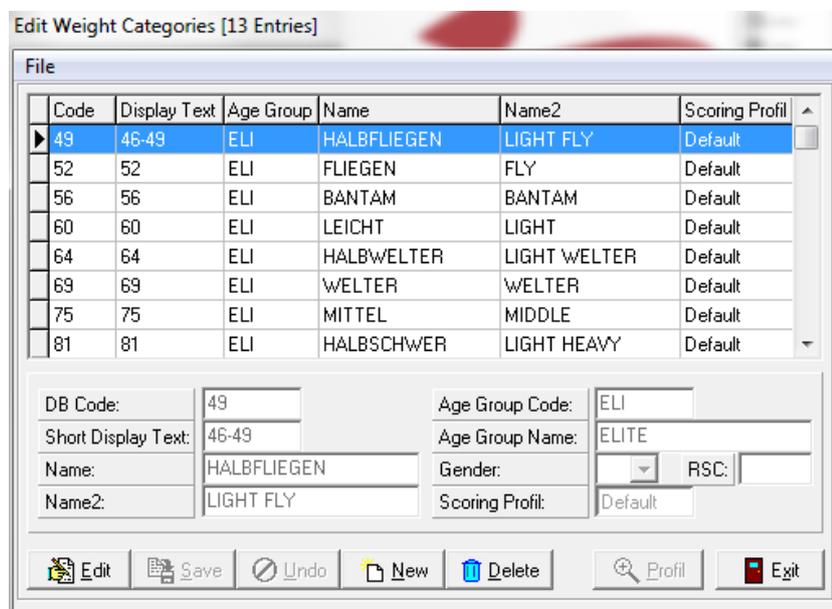


Figure 31 - Edit Weight Categories dialog

By default all Olympic weight categories (10 men, 3 women) are provided with any newly created event. [Delete] the categories not participating in your event.

Click [New] to create a new weight category. Up to 40 entries can be made.

**Note:** Weight categories can only be modified or deleted, if no boxer is assigned to this weight category.

The field [Code] contains a code with up to 5-digits. It should be kept as short as possible.

The field [Display Text] should also be kept as short as possible (maximum 6 digits) to ensure a suitable appearance of the list columns (e.g. 46-49, 52, +91). If the same category exists in 2 age groups, and if both are used in the same tournament, characters need to be added in order to distinguish them on the lists (e.g. s46-49, s52, +91s, 46-49, 52, +91). We do not recommend Sen48 or Jug48 as these descriptions are possible but the printout would look inconsistent.

The field [Name] is used for the first menu/list language; [Name2] accordingly for the second menu/list language. The name does not need to be different for the same class in 2 different age groups, as the name never appears on the output without the short display text.

Using [Scoring Profile], the scoring profile can be defined for each weight category, i.e. the profile is automatically replaced without the need to change the scoring settings in the Properties dialog.

### 3.7.1 File Function

The following commands are accessible by choosing "File" from the menu bar of the dialog:

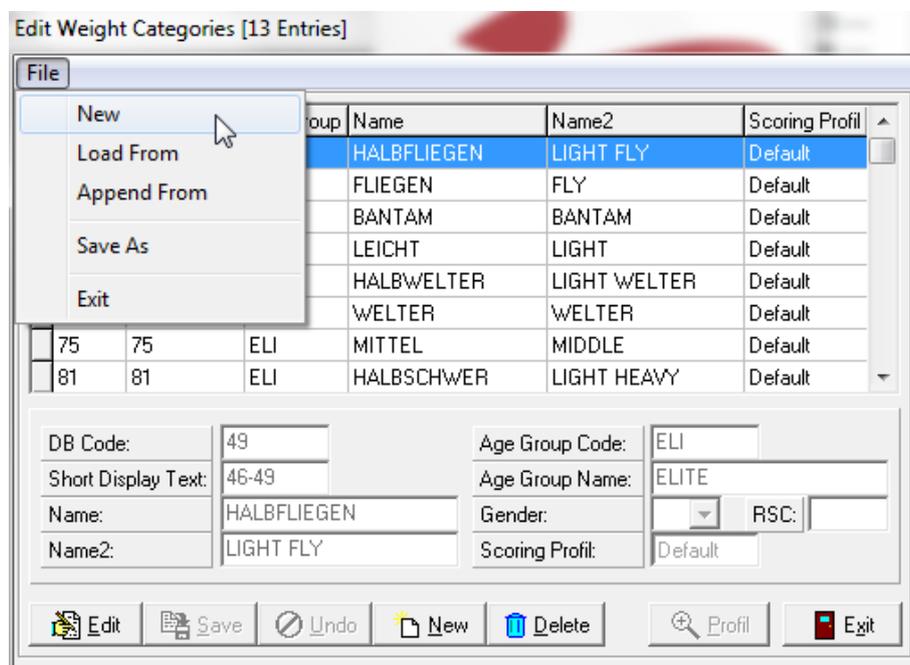


Figure 32- File menu (Weight Categories dialog)

Function	Description
Save As	saves user-defined weight categories in data exchange format CDB, basically a copy of WClass.DBF, but without index
New	Only if there are no boxers or bouts; deletes all classes and starts with empty WClassDB file
Load From	Loads weight category definitions from other events (CDB, WCLASS.DBF from the other event). Existing definitions are deleted and completely replaced by the loaded weight category
Append From	Appends weight categories. This is always possible, but if the competition is in progress, the application opens a warning window. If weight categories are to be added with a code that is already available, WINBPM automatically tries to save the classes by adding ~1, ~2, ~3, etc.

## 4 DATABASE MENU

### 4.1 Teams

Choose "Database" > "Teams" from the menu bar to open the "Edit Teams" dialog.

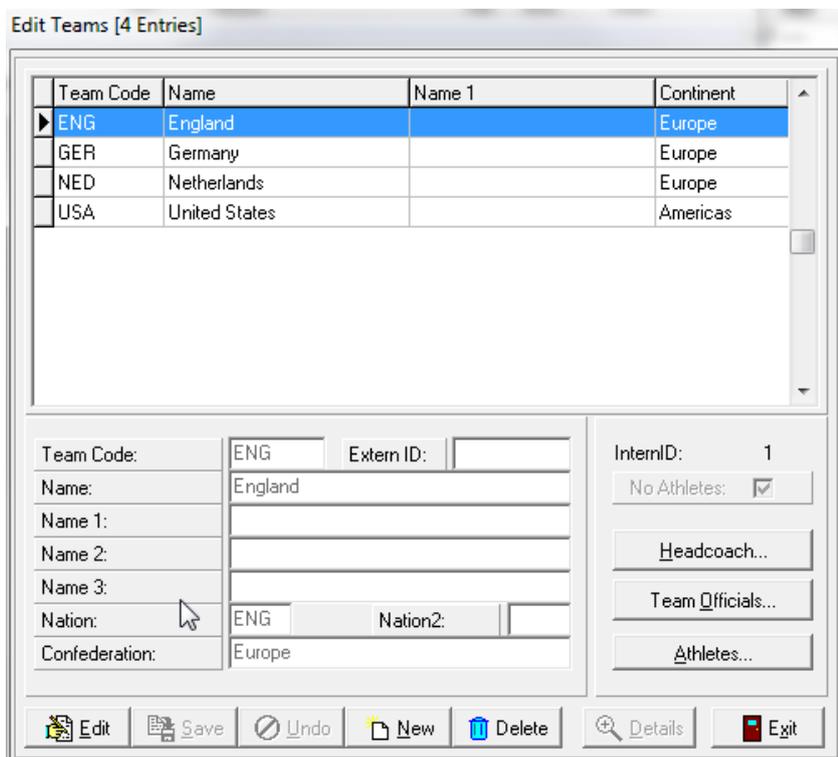


Figure 33 - Edit Teams dialog

In order to create a new team, press [N] or click [New]. Enter the team information and confirm your entries by clicking [Save]. If you need to modify team entries, click [Edit].



Figure 34 - Edit teams dialog (detail)

We recommend entering Head Coach, Team Officials and Athletes for each team individually. Information on how to create athletes data can be found in section 4.2).

In addition, this window provides features to:

- Indicate and edit Head Coach data
- Indicate and edit Team Officials data
- Indicate and edit data of Team Officials
- Indicate and edit Athletes data

First, select the team and click on the corresponding button. You can now add, edit and delete athletes, Team Officials and Head Coaches.

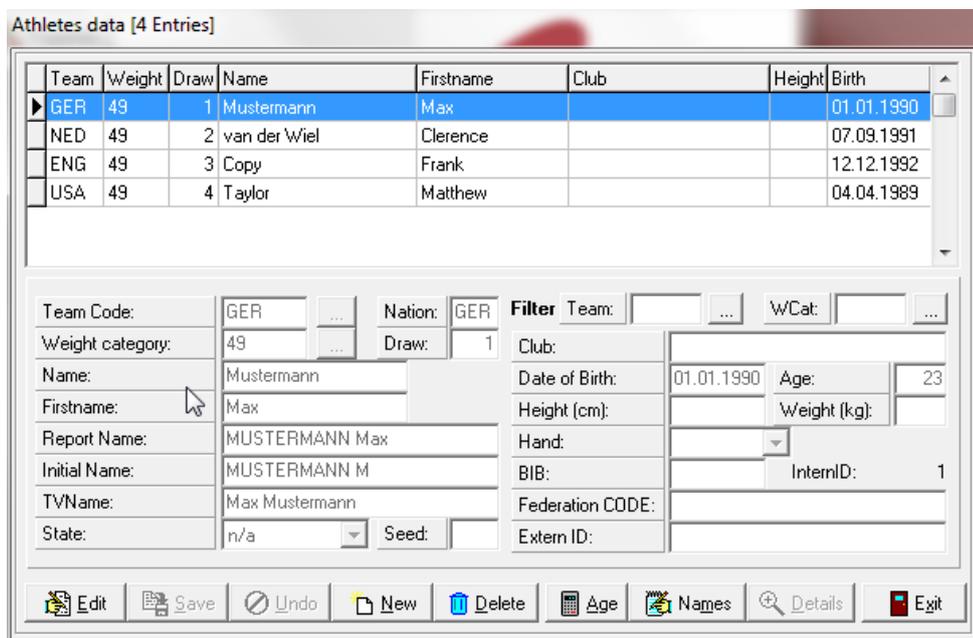
The advantage of this feature lies in the presentation of athletes just from the selected team.

When editing an athlete by choosing the menu command "Athletes", all players in the database are indicated in alphabetical order of their nation.

Team data are only necessary for certain outputs, when the long team name is used.

## 4.2 Athletes

Choose "Database" > "Athletes" from the menu bar to open the "Athletes Data" dialog.



**Athletes data [4 Entries]**

Team	Weight	Draw	Name	Firstname	Club	Height	Birth
GER	49	1	Mustermann	Max			01.01.1990
NED	49	2	van der Wiel	Clerence			07.09.1991
ENG	49	3	Copy	Frank			12.12.1992
USA	49	4	Taylor	Matthew			04.04.1989

Team Code: GER Nation: GER Filter Team: W/Cat:

Weight category: 49 Draw: 1 Club:

Name: Mustermann Date of Birth: 01.01.1990 Age: 23

Firstname: Max Height (cm): Weight (kg):

Report Name: MUSTERMANN Max Hand:

Initial Name: MUSTERMANN M BIB: InternID: 1

TVName: Max Mustermann Federation CODE:

State: n/a Seed: Extern ID:

Toolbar: Edit Save Undo New Delete Age Names Details Exit

Figure 35 - Athletes data dialog

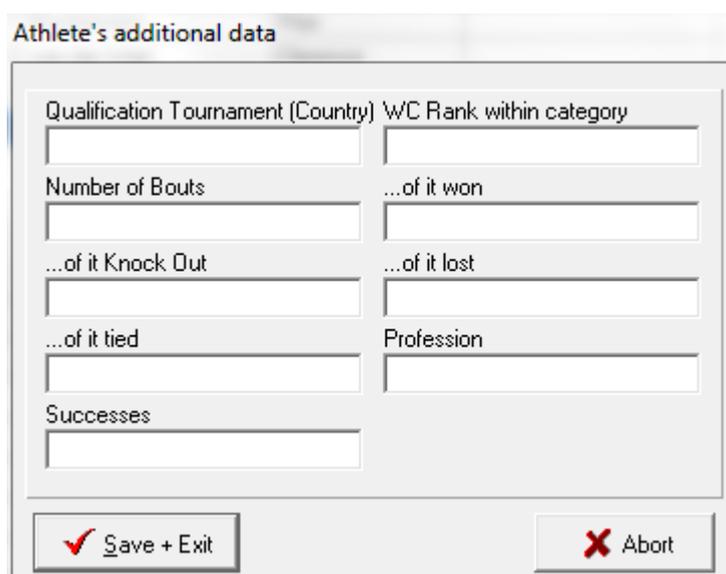
In the lower toolbar, click [Names] and then click [Yes] in the message box. Empty name fields are now initialized.

**Note:** If you click [All] instead, all combined name fields are rewritten. Use this feature only, if first and last name are delivered with the import feature.

In order to enter a new athlete in the database, press [N] or click [New]. In order to edit data, click [Edit]. Enter the required information. Note that athletes' data can only be entered if no competition is in progress.

When you click [Age], the athletes' age is calculated and updated accordingly.

While editing an Athlete, you can click [Details] to open an extra dialog box and enter additional data (see following screenshot).



Athlete's additional data

Qualification Tournament (Country)	WC Rank within category
<input type="text"/>	<input type="text"/>
Number of Bouts	...of it won
<input type="text"/>	<input type="text"/>
...of it Knock Out	...of it lost
<input type="text"/>	<input type="text"/>
...of it tied	Profession
<input type="text"/>	<input type="text"/>
Successes	
<input type="text"/>	

Save + Exit       Abort

Figure 36 - Athletes additional data dialog

### 4.3 Officials

Choose "Database" > "Officials" from the menu bar to open the "Edit Officials" dialog.

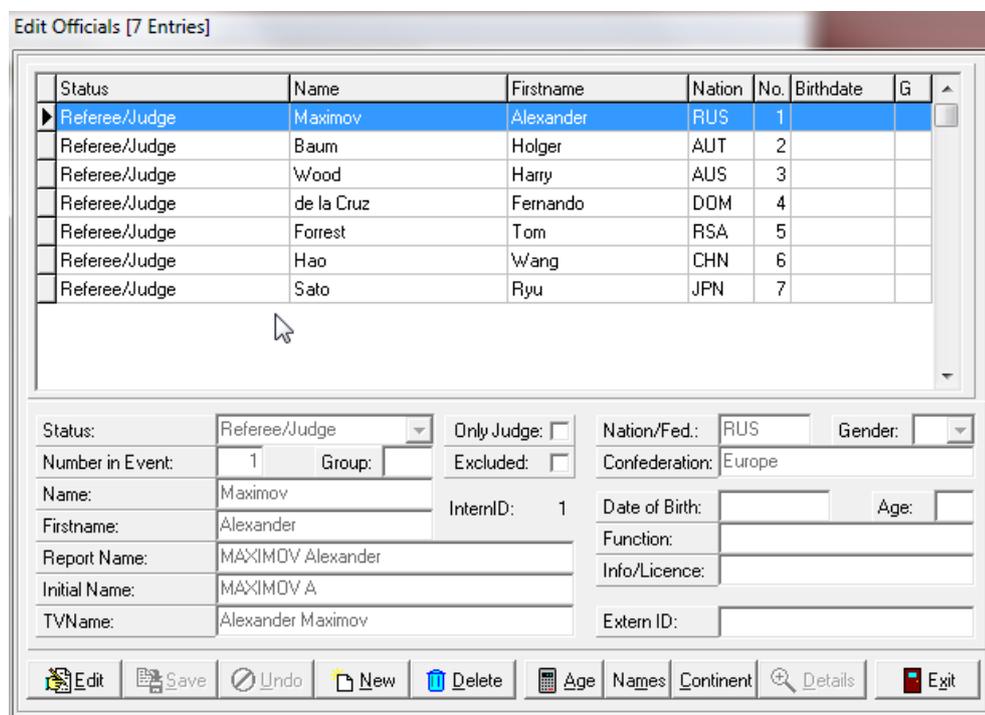


Figure 37 - Edit Officials dialog

Data concerning the Officials are entered and edited the same way as athletes. In order to edit Officials, it is necessary to select the corresponding Official. Click [Edit] to toggle the edit mode. By clicking [Names] and [Yes] in the message box, empty name fields are initialized.

**Note:** If you click[All] instead, all combined name fields are rewritten. Use this feature only if first and last name are provided by the names import.

A [Gender] field has been added to the Officials dbf files. You only need to enter the gender, if it is not the same as the competition gender. Please note that in some cases the Gender field needs to be added. If the field does not exist, the field is disabled in the "Edit" dialog.

In order to ensure a successful (automatic) Judges draw (see section5.2), the continents need to be entered for each Official. By clicking[Continent],a team database lookup for the officials'nation is performed. When found, it is automatically transferred to the continents field. If no entry is found, the continent needs to be manually entered. In order to ensure the correct draw in accordance with the continents rules, all continents entries need to be available and fit in the Team database and the Officials database.

The [Only Judge] field is described in section 5.2.

#### 4.4 Competition

This menu command is available for creating and modifying sessions of an event.

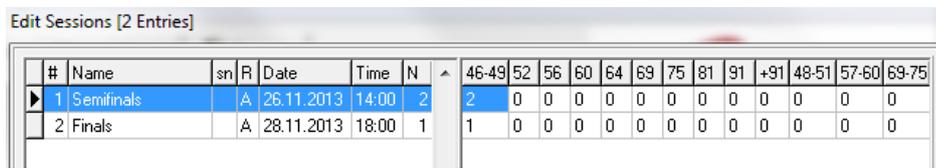
For each session, you can enter the session number, name, subnr, date, start time, day section and number of bouts per weight category. Choose "Database" > "Competition" from the menu bar to open the "Edit Sessions" dialog.

In order to create a new Session, press [N] or click [New]. Enter the session information and confirm your entries by clicking [Save].

If you need to modify session entries, click [Edit].

A manual [Reschedule] only has to be performed, if the schedule has been modified. This might become necessary in case of a database error or if the start time in the Finals needs to be rescheduled.

The number of bouts in one session and weight category can be edited by clicking in the corresponding field. The program tracks all modifications and updates the status line with 'Total number of bouts' and 'Tournament Check'.



#	Name	sn	R	Date	Time	N	46-49	52	56	60	64	69	75	81	91	+91	48-51	57-60	69-75
1	Semifinals	A		26.11.2013	14:00	2	2	0	0	0	0	0	0	0	0	0	0	0	0
2	Finals	A		28.11.2013	18:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0

Figure 38 - Edit Sessions dialog

The 'Tournament Check' is used to verify whether all bouts within a weight category are scheduled and to make sure that the schedule does not contain more bouts than possible. The 'Total number of bouts' is based on the number of athletes in a certain weight category entered in the database.

## 4.5 Start List

This command is used to create and modify a session. Choose "Database" > "Startlist" from the menu bar to open the "Edit Bout" dialog.

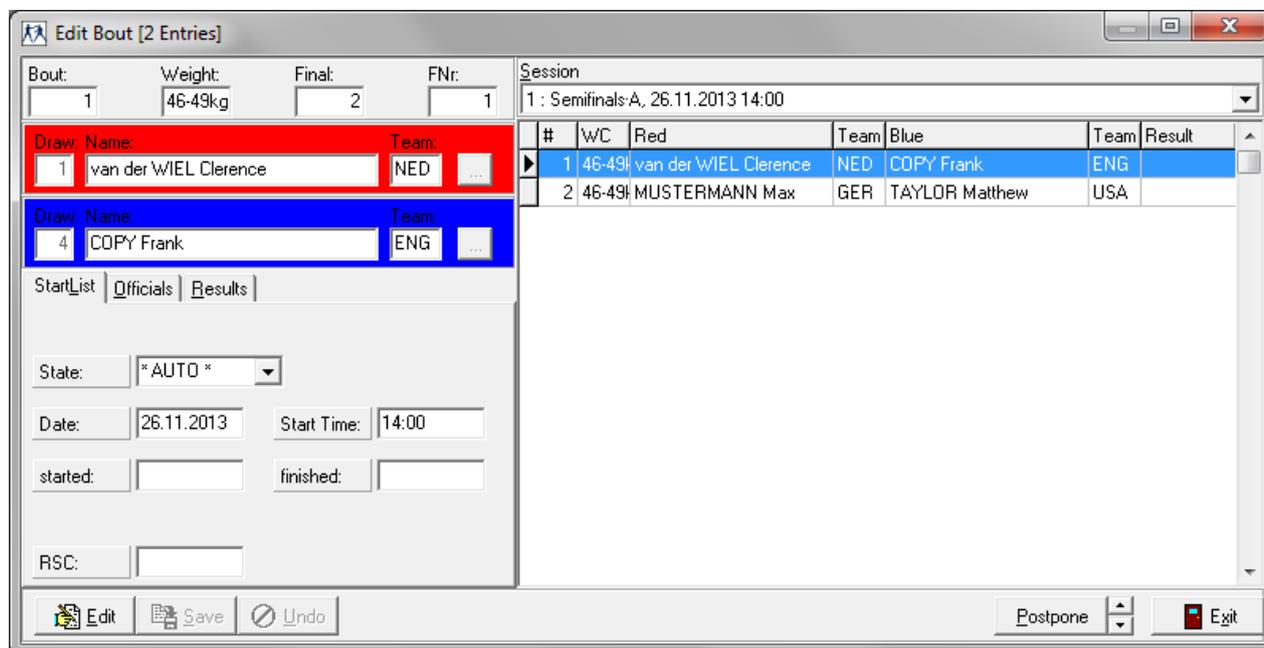


Figure 39 - Edit Bout dialog

In addition, you can create the bouts of a session and modify the pairing of one or more bouts of the selected session.

The button [Postpone] is used to postpone individual bouts of a session or within different sessions. In that case, the bout number depends on the option settings (see section 0).

When using the 'AUTO ON' mode, bouts are automatically created. Therefore, this menu command is mainly used to recreate pairings after a disqualification (see section 4.7).

A match cannot be moved before a match of the previous round, i.e. the 46-49 Final (Final=1) cannot be moved before one of the Semifinals (Final=2).

**Note:** To perform the [Postpone] command by using a keyboard, either select [PostPone] by repeatedly pressing [TAB], or press [Alt+P] and then [PgUp] or [PgDown]

## 4.6 Performing Bronze Medal Bouts

AIBA rules do not specify the handling of Bronze medal bouts. Therefore, WinBPM schedules the Bronze medal winners automatically. If additional bouts need to be scheduled (e.g. for the Bronze medal), the settings need to be manually entered.

Choose "Database" > "Competition" from the menu bar and select a competition in the list field.

You can now either insert the Bronze medalbouts in the final session for each weight category or create an additional session just for the Bronze medalbouts. It is recommended to keep the distribution resp. the mode when the original competition schedule is set up (see section 6.2.4). Click [Save] and [Exit] to save all changes.

The following screenshot shows a competition with a separate bronze medal session.

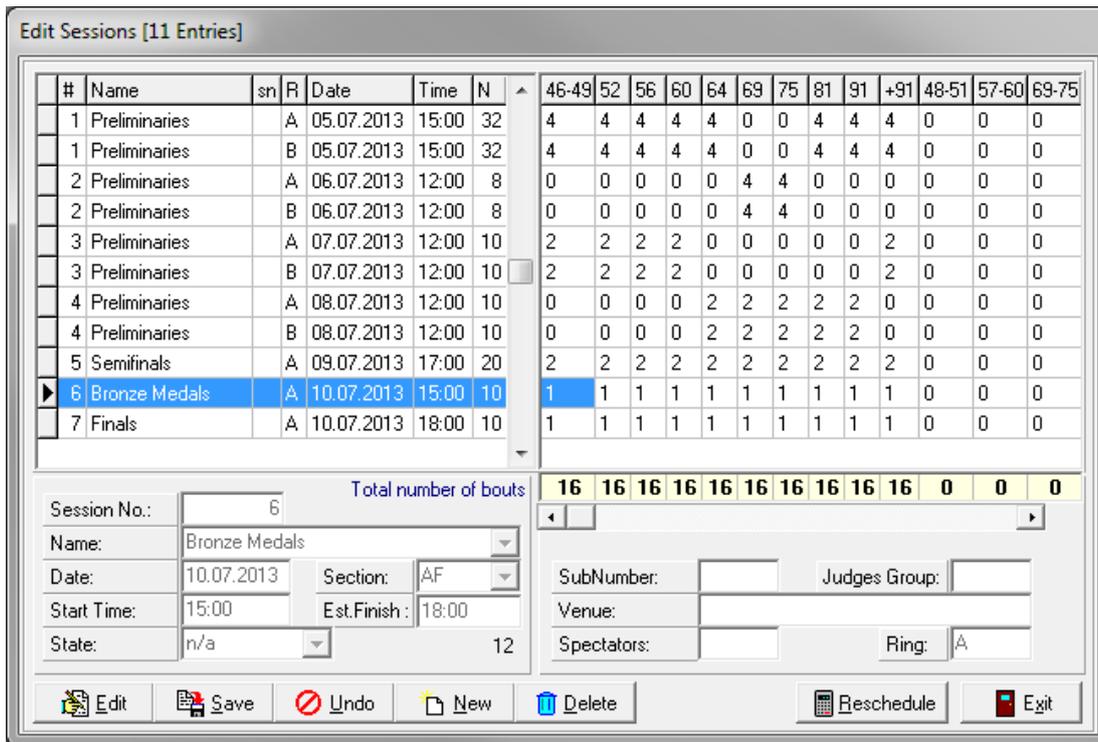


Figure 40 - Edit Sessions dialog (bronze medal bouts)

Now open the "Edit Bout" dialog and select the session with the Bronze medal bouts. The software automatically detects that additional bouts are inserted, but they are indicated without any bout data. Double click on the desired Bronze medal bouts or click[Edit]. Now select the Semifinal losers by entering the draw number (separately for red and blue corner). Alternatively, you may use the Boxer selection dialog. Confirm the entry by clicking[Save]. Follow these steps for each individual Bronze medal bout.

When the last bout of each weight category is finished, WinBPM processes the medal list including both Bronze medallists, but without considering the Bronze medal fight scheduled manually. Therefore, the ranking also needs to be corrected manually. Open the "Final Ranking" dialog (see following screenshot) by choosing "List" > "Weight Category" > "Medallists (C92A)" from the menu bar. Now select the desired weight category from the upper drop-down list box. Then select a boxer by clicking on the desired person. Alternatively, you can use the "Boxer" dialog and move the person to the desired position using the red [Move Up], [Move Down] symbols to the right.

In order to adapt the ranking – the screen still indicates two third places – the fourth place is manually entered in the [Rk] column. Now, you can print the list with the corrected third and fourth rank.

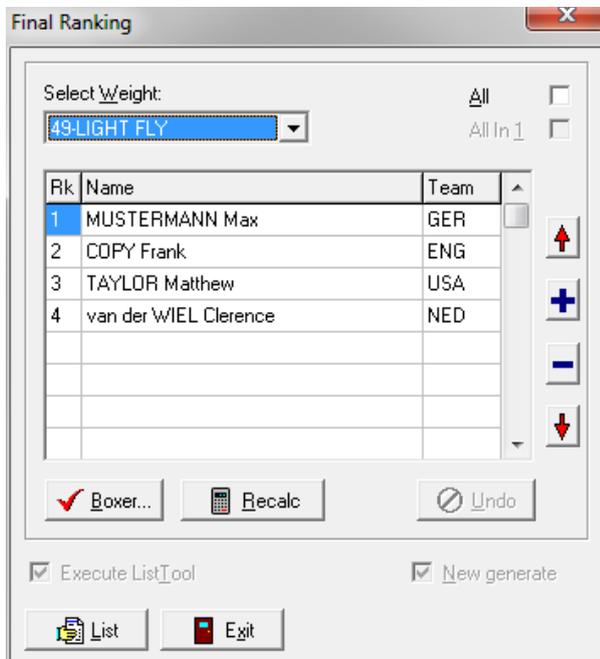


Figure 41 - Final Ranking dialog (bronze medal bouts)

#### 4.7 Results

This menu command is used to modify the bout result of a session, e.g. as a result of a disqualification. Choose "Database" > "Results" to open the "Edit Bouts" dialog.

The screenshot shows the 'Edit Bout [2 Entries]' dialog box. The top section contains fields for 'Bout: 1', 'Weight: 46-49kg', 'Final: 2', and 'FNr: 1'. The 'Session' dropdown is set to '1 : Semifinals-A, 26.11.2013 14:00'. The left pane has two 'Draw' sections: the first is for 'MUSTERMANN Max' (GER) and the second is for 'TAYLOR Matthew' (USA). Below these are 'Results' tabs for 'Officials' and 'StartList'. The 'Winner' section shows 'Red' selected, 'MUSTERMANN Max' (GER). The 'Result' section shows 'WP', 'Red: 3', 'Blue: 0', 'Round: 3', and 'Time:'. A 'Comment' field is at the bottom. The right pane is a table of bouts:

#	WC	Red	Team	Blue	Team	Result
1	46-49	MUSTERMANN Max	GER	TAYLOR Matthew	USA	Red 3:0
2	46-49	COPY Frank	ENG	van der WIEL Clerence	NED	

The bottom of the dialog has buttons for 'Edit', 'Save', 'Undo', 'Show Scores', 'Postpone', and 'Exit'.

Figure 42 - Edit bout dialog (results view)

In order to edit a bout, click [Edit]. You can now enter a different winner, modify the result (TKO or WO, etc.) and choose score, rounds and duration of the bout. In addition, you may enter free text which appears on the results list. Confirm the entries by clicking [Save] or revert the modifications by clicking [Undo].

**Note:** If you have selected a different winner, you have to use the Reschedule function ("Database" > "Competition") in order to create new pairings.

Clicking [Show Scores] opens the Run Bout screen, which can be used to check all scores:

Bout	1	REF					BOUT	END			
Weight	46-49	RED	COPY Frank			ENG					
	1/2	BLUE	van der WIEL Clerence			NED					
							W	W	K	K	
			J2	J3	J5	J1	J4				
<b>R1</b>	9	10	9	10	9	10					
<b>R2</b>	10	8	8	10	8	10					
<b>R3</b>	10	7	10	9	10	9					
<b>T</b>	<b>29</b>	<b>25</b>	<b>27</b>	<b>29</b>	<b>27</b>	<b>29</b>					

**WINNER BLUE : WP 2:1**

Figure 43 - Bout screen: bout end

#### 4.8 Import Teams

This function provides the import of Team data out of the "Athletes" database.

Enter athlete data as described in section 4.2. Next choose "Database" > "Import" > "Teams from Athletes" from the menu bar. The application then load each athlete's continent out of the internal Nations file (NationsDB).

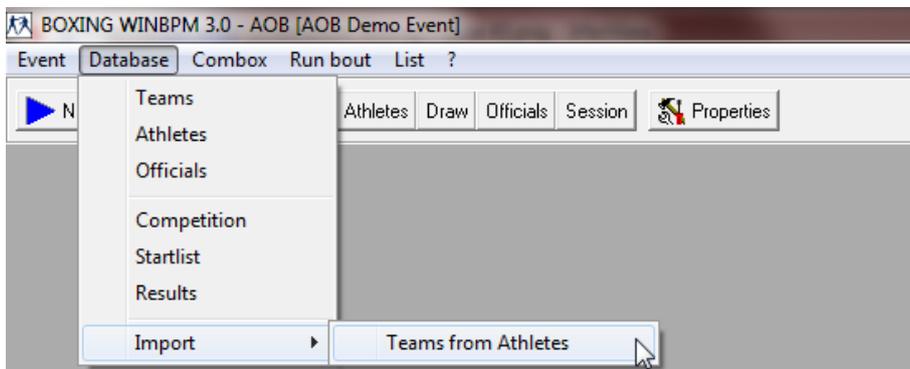


Figure 44 - Teams from athletes menu command

Confirm by clicking [Yes] or quit with [No].

Although the Nation file is updated from time to time (CAT-Update), it may occur that the continent for certain teams are not found or you require customized names. You can enter or modify them choosing "Database" > "Teams" > "Continent" (see section Teams).

## 5 RUN BOUT MENU

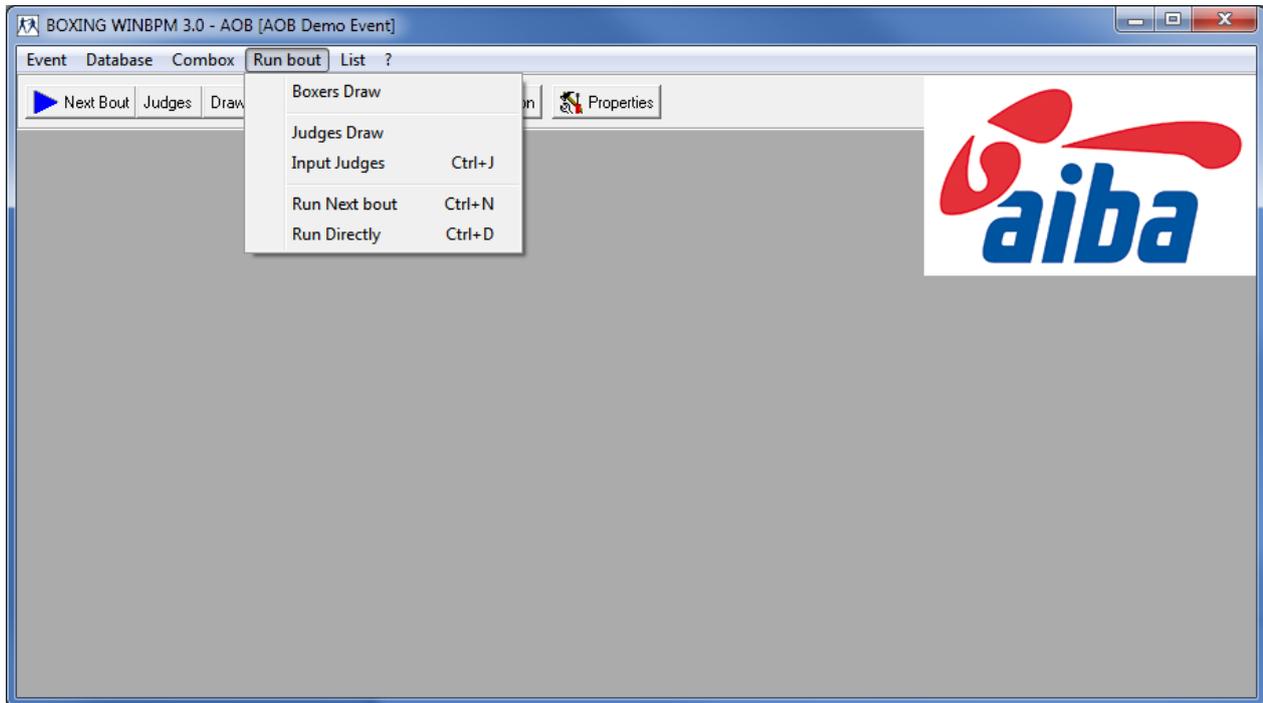


Figure 45 - Run bout menu

### 5.1 Boxers Draw

This command is used to assign draw numbers according to weight categories. Choose "Run Bout" > "Boxers Draw" from the menu bar to open the "Draw" dialog.

#### 5.1.1 Setting Up a Draw Method

Since BSS2013 supports Symmetrical Draw feature. You may now toggle between the original AIBA draw method and the symmetrical draw method. While the original draw method is set up by default, you can choose "Event" > "Properties" > "Competition" from the menu bar and then select 'Symmetrical Draw' to use the new method.

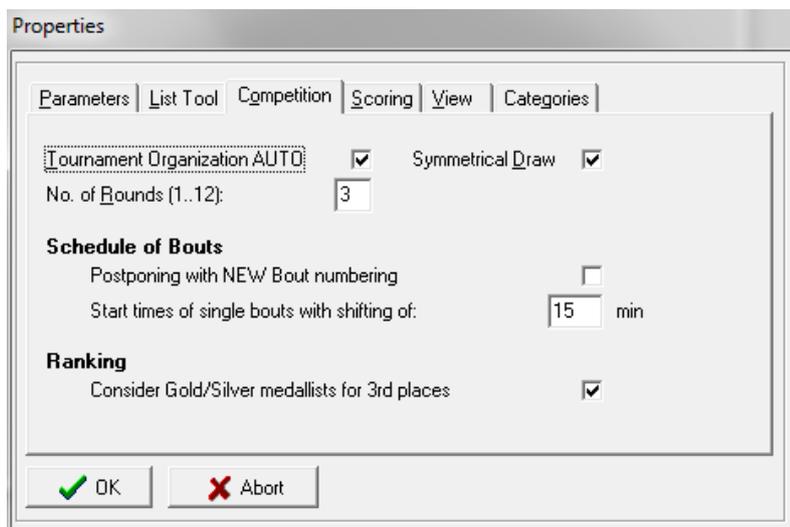


Figure 46 - Selecting symmetrical draw

### 5.1.2 Draw Menu

#### Original Draw

The following screenshot depicts the original AIBA draw

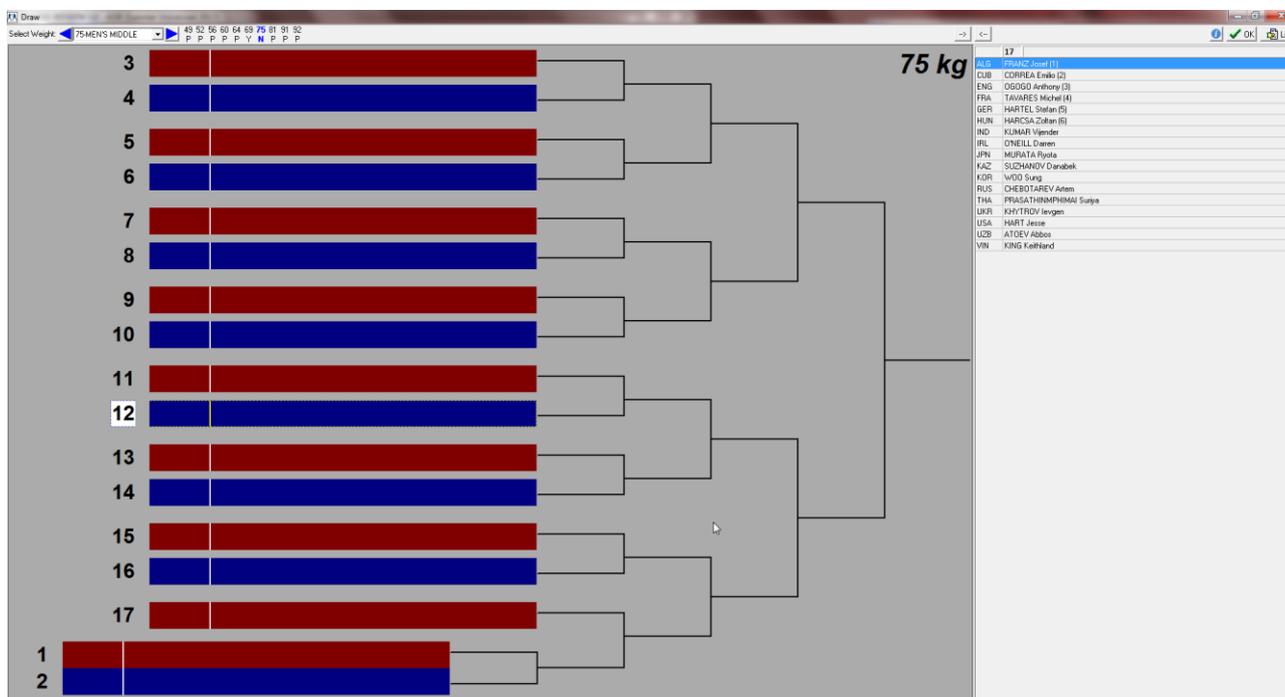


Figure 47 - Draw screen: original draw

## Symmetrical draw

If you have selected 'Symmetrical draw', the "Bye" bouts are automatically set.

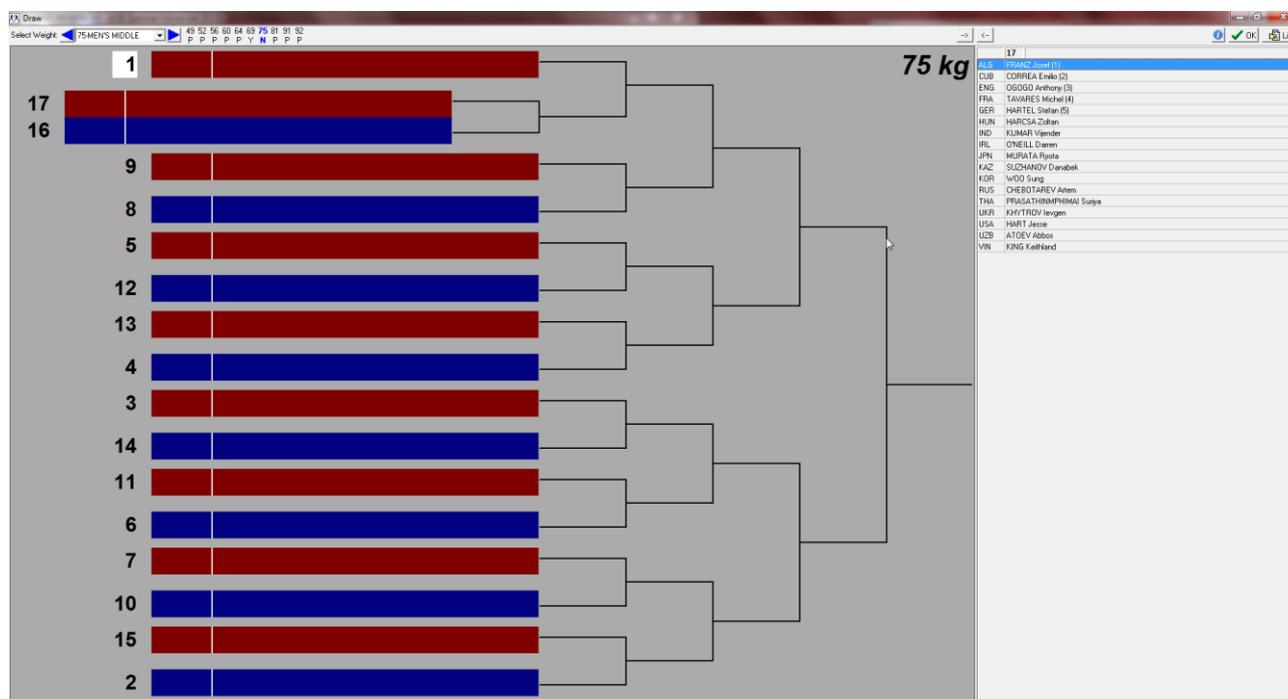


Figure 48 - Draw screen: symmetrical draw

### 5.1.3 Assigning Seeds

In the right part of the screen, you can see the seed number indicated in brackets behind the boxer's name. The seed number indicates the rank within the weight category of this event and can be manually entered as described in section Specifying Seed Numbers hereunder.

If you right-click anywhere in the names section (right part of the screen), the following context menu will open:

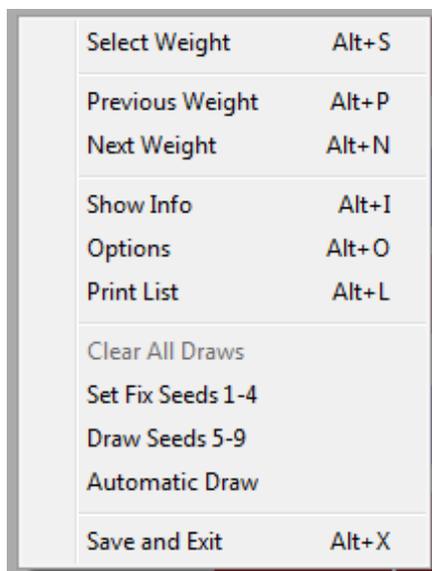


Figure 49 - Set fix seeds command

First, choose "Set Fix Seeds 1-4" to set seeds 1-4. The brackets are filled with the names accordingly (seed 1-4).

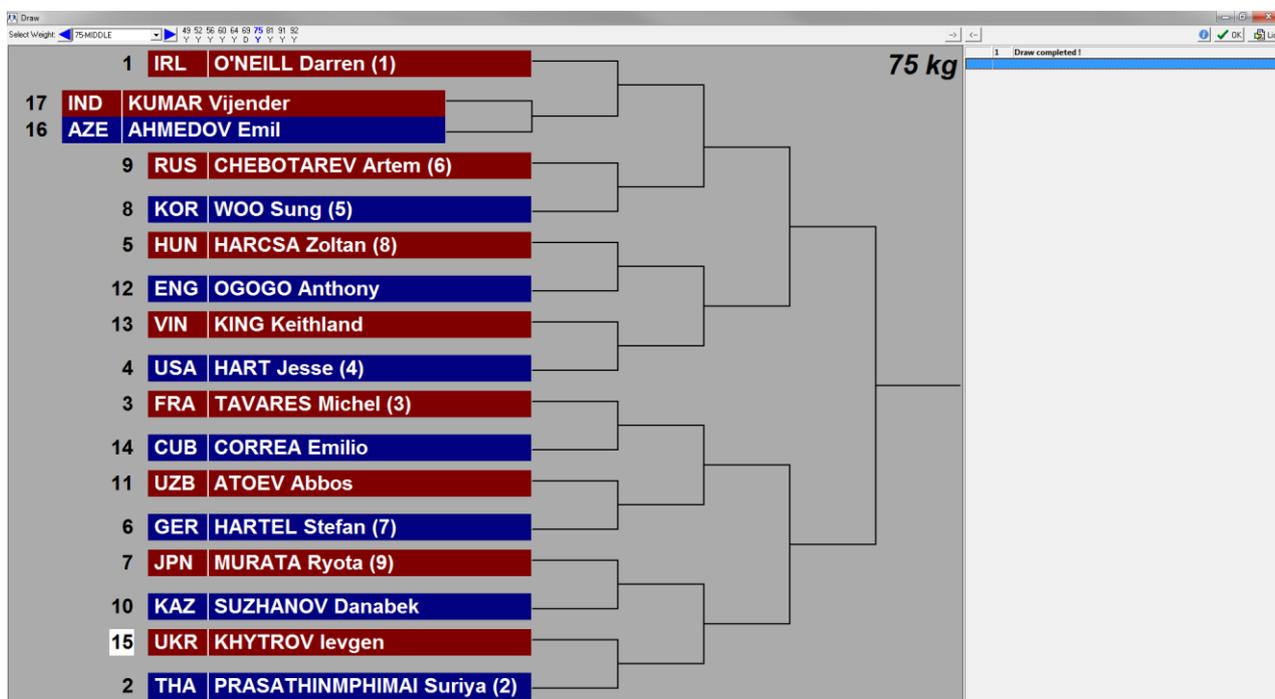


Figure 50 - Draw screen: fixed seeds

Secondly, choose “Draw seeds 5-9” to draw seeds 5-9. Again, the brackets are filled with the names accordingly (seed 5-9).

### 5.1.4 Automatic Draw

Finally, choose “Automatic Draw” from the context menu.

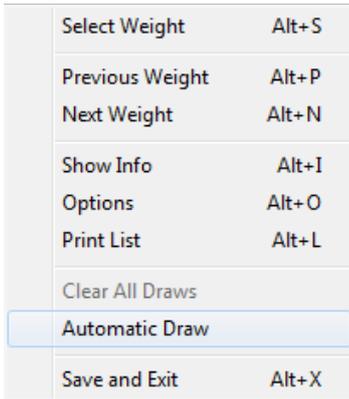


Figure 51 - Automatic Draw Command

The brackets are filled with the remaining names from the top to the bottom.

From the same context menu, you can choose "Options" to set the break time between 2 lots (look for 'RND\_MS', the lowest entry in the list box). The default setting is 1000ms.

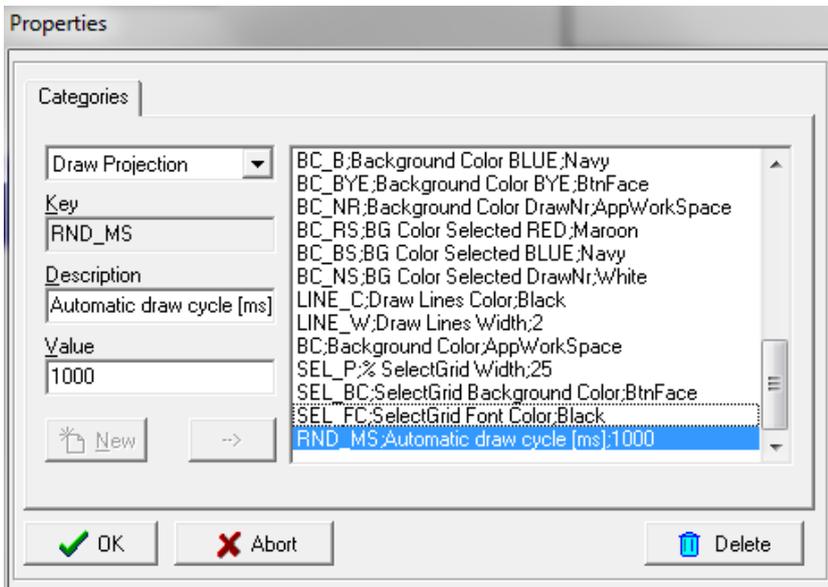


Figure 52 - Draw projection setting

**Note:** You can alternatively access the break time option by choosing "Properties" > "Categories" > "Draw Projection" from the menu bar.

Click [OK] on the toolbar to confirm the selection and to close the dialog.

### Stopping an Automatic Draw

The Automatic Draw can be stopped by clicking the [STOP Automatic Draw] button.

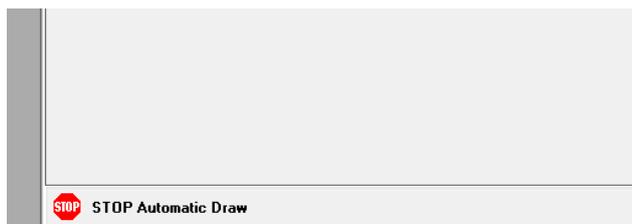


Figure 53 - Stop draw button

In addition, you can clear all draws by choosing "Clear All Draws" from the context menu.

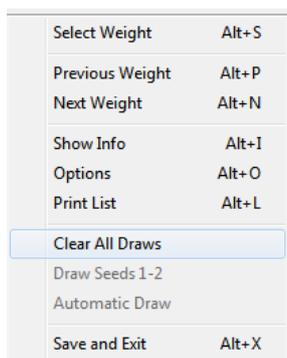


Figure 54 - Clear All Draws Command

#### 5.1.5 Specifying Seed Numbers

The seed number can be entered or modified, by first choosing "Database" > "Athletes" from the menu bar and then clicking [Edit].

Team Code:	GER	Nation:	GER	Filter	Team:		WCat:	
Weight category:	49	Draw:	1	Club:				
Name:	Mustermann		Date of Birth:	01.01.1990	Age:	23		
Firstname:	Max		Height (cm):		Weight (kg):			
Report Name:	MUSTERMANN Max		Hand:					
Initial Name:	MUSTERMANN M		BIB:		InternID:	1		
TVName:	Max Mustermann		Federation CODE:					
State:	n/a	Seed:	5	Extern ID:				

Figure 55 - Specifying Seed Numbers

Enter the seed number in the text box "Seed:" and click [Save].

### 5.1.6 Manual Draw

The draw is done manually starting with 'bout 1'. Boxers, who have to compete in the first round, receive the first numbers, while the last draw numbers are distributed among the boxers with a wildcard.

First select the [weight category] to which the current draw applies using the drop-down list box. The right part of the screen shows all competitors that are not drawn yet. By double clicking the corresponding name, the next higher unassigned lot is assigned to the competitor. At the same time, the name appears in the corresponding place of the start list. To move a boxer you may also use  after selecting desired boxer.

In order to move a competitor directly to a certain free place in the start list, first mark the desired place with the mouse. Then double-click the corresponding name in the right part of the screen.

9	KGZ	TALASBAEV Asylbek	
24	MEX	VARGAS Francisco Javier	
25	AUS	LITTLE Anthony	
8	ITA	VALENTINO Domenico	

Figure 56 - Manual Draw

If a lot number has been assigned to the wrong competitor, you can undo this action at any time. Select the competitor and click . The name of the competitor moves back to the right part of the screen. A different name can now be placed instead.

As soon as all names are drawn properly, the draw of the weight category is complete. By clicking the List button, the start list of this weight category can be printed. Click [OK] to save the current start list and close the window.

## 5.2 Judges Draw

This feature is used for the automatic draw of Judges and Referees according to options/rules set. You can draw either single bouts or an entire session. Choose either "Run Bout" > "Judges Draw" from the menu bar or just click [Draw] on the toolbar.

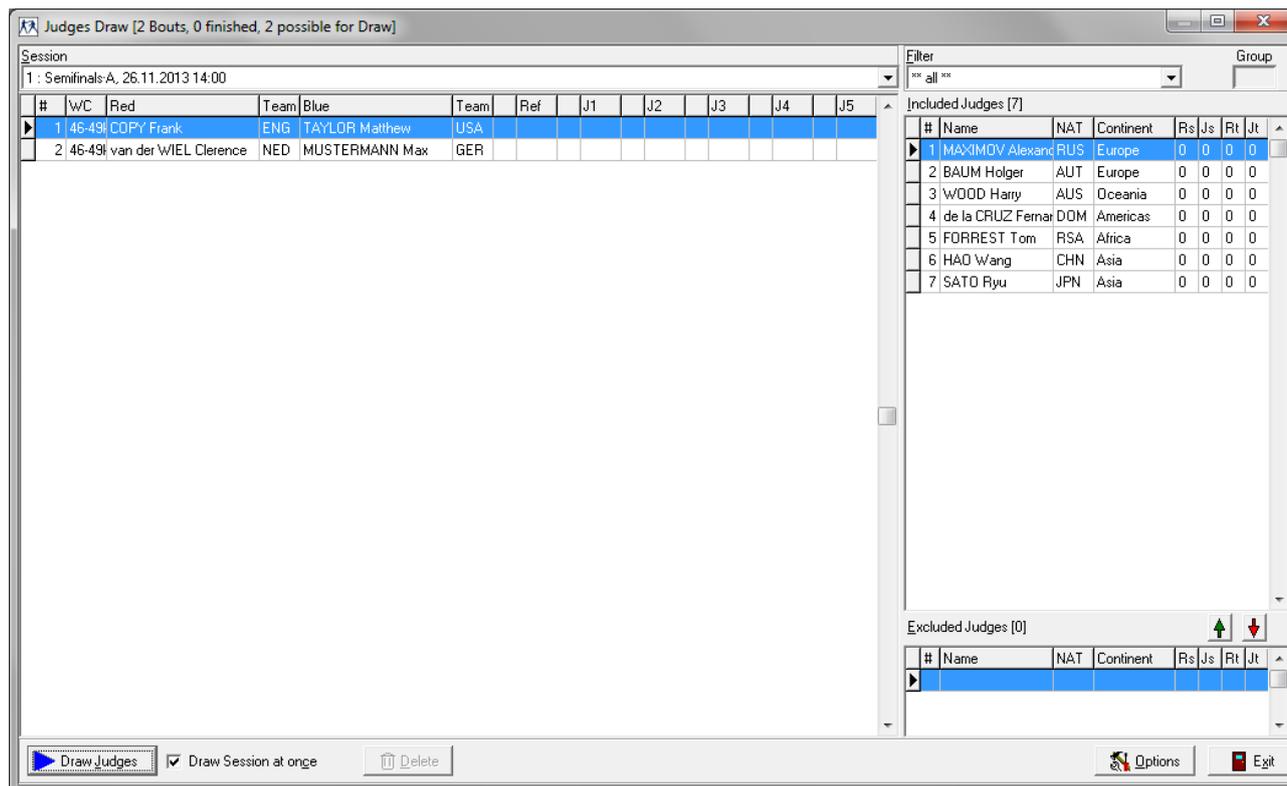


Figure 57 - Judges Draw Dialog

Dialog Box Element	Description
"Session" command	Selection of session to draw Judges and Referees using the drop-down list box
Bouts grid (list box)	List of all bouts within a session with bout number, weight category (WC), boxer in red corner with team, boxer in blue corner with team and Referee/Judge number with Nation
Draw Session at once (option)	If checkbox is activated (default), the complete session is drawn. If not, only the marked bout is drawn.
 Draw Judges	Click this button to start the draw in accordance with set options (see section Judges Draw Options). If the number of available Officials is too low, a draw can be incomplete. Further, an incomplete draw may also be caused by the

individual options set. Fields that are not drawn turn red, and a corresponding error prompt is opened:

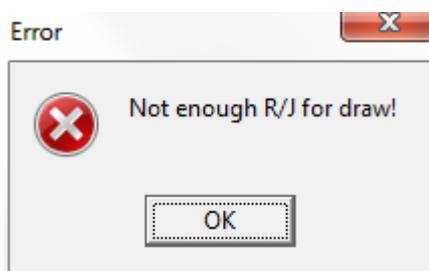


Figure 58 - Judges Draw Message

The operator must decide, if options shall be modified or if remaining Referees/Judges shall be set manually (see section0)

Dialog Box Element	Description
 Delete	Removes Officials' assignment and a new draw can be started.
Filter/Group	Default setting is <b>**all**</b> to include all available Officials in the draw without applying any filter. Refer also to section Judges Filter.
Included Judges	List of all Officials available for the draw. The Rs column indicates how often the Official is used as Referee in this session. It lists how often the Official is appointed as Judge throughout the entire tournament.
	Using this button or DEL, marked Officials can be excluded from the list of Officials available for the draw. Officials can be excluded for single sessions or the entire tournament.
	To insert excluded Officials either click this button or press [Del] after selecting the required name.
Excluded Judges	List of all Officials excluded from the draw. This exclusion is also indicated and can be modified in the Officials dialog, checkbox Excluded.
 Options	See section Judges Draw Options.
 Exit	Used to leave the Judges Draw dialog.

### 5.2.1 Judges Draw Options

Click [Options], to open the settings dialog for judges draw. Different options can be set to administer the automatic draw e.g. Nation rules and Continent rules. Make sure the minimum number of judges required for each bout is actually available: Number of Scoring judges for one bout (verify, by choosing "Properties" > "Scoring" from the menu bar).

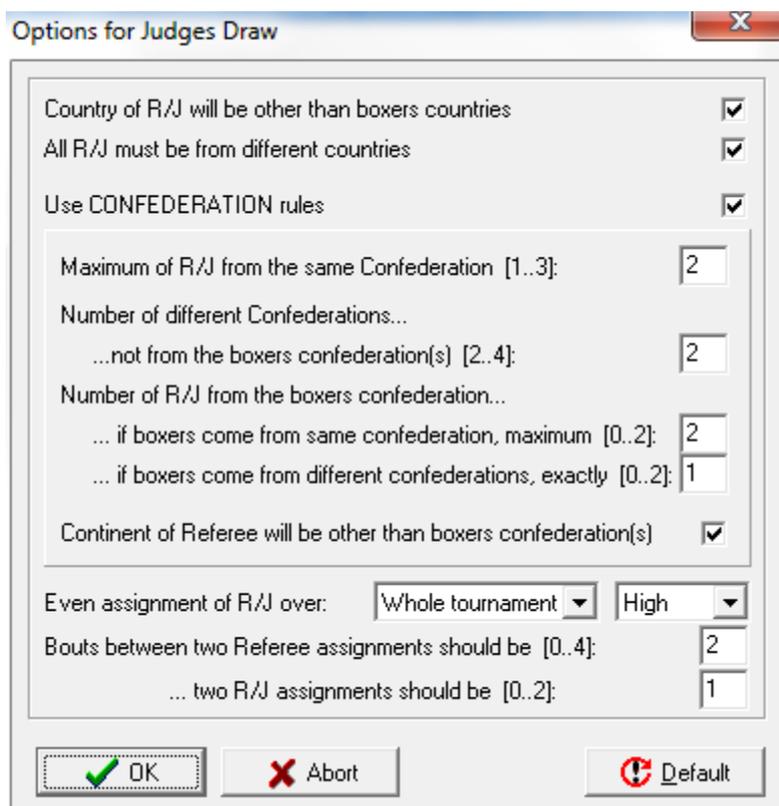


Figure 59 - Judges Draw Options

The following options can be set:

1. Option 'Country of R/J will be other than boxers countries'  
Default Yes, i.e. assigned R/J are not from the same country as the boxers. Make sure to clearly indicate the following parameters in the master data set: team/nation of the boxer and nation/federation of the R/J.
2. Option 'All R/J must be from different countries'  
Default Yes, i.e. assigned Officials are from different countries
3. Option 'Use CONFEDERATION rules'  
The continent rule is based on the clear assignment of the boxer's team continent and the R/J continent. The term "continent" can be interpreted as "region" for minor or regional competitions. Default Yes, i.e. the program manages the application of the following rules:
  - Field [Maximum of R/J from the same Continent [1..3]]  
Default 2, i.e. maximum 2 Officials from the same continent can be assigned;
  - Field [Number of different Continents not from the boxers continent(s) [2..4]]  
Default 2, i.e. 2 continents, apart from the boxers continent, must be represented.
  - Option 'Number of R/J from the boxers continent...'
    - a) field [if boxers come from same continent, maximum [0..2]]  
Default is '2', i.e. maximum 2 Officials from the boxers continent can be assigned.

- b) field [if boxers come from different continents, exactly [0..2]]  
Default is '1', i.e. maximum 1 Official from each boxers continent can be assigned.

**Exception:** If there is no Official available from one boxers continent, there is also no Official assigned from the other boxers continent.

4. Option 'Continent of Referee will be other than boxers continent(s)'  
Default is 'Yes', i.e. continents of Referee and boxers need to be different
5. Option 'Even assignment of R/J over the session'  
defines the level of an even Officials assignment. You can toggle between 'Whole tournament' (entire tournament) and 'One session' (current session).

### **Properties of [Whole tournament]:**

The program considers the fact that – depending on the judge number per continent – the chance to get assigned may differ from continent to continent. This means that the number of assignments per continent is used instead of the total number of bouts. If this implies too many assignments per session, the distribution can be corrected accordingly.

The program does not consider the fact that a judge may start judging later in the tournament, e.g. only in session 5, as this fact is not saved in the program. The algorithm now assumes that the affected judge was accidentally not assigned during the first sessions and now tries to assign this person more often.

As the division in Judges groups is not saved (e.g. if a Judge switches to another group), this may have an impact on the distribution – at least in the beginning.

Example: 'Group A' has done the first session. Afterwards, a Judge is moved to 'Group B'. 'Group B' does the second session, i.e. it is already the second session for this Judge. Therefore, the program does not consider this person that much as the remaining Judges.

- "High"  
Default setting, i.e. the complete tournament/entire session is considered to ensure an even assignment. Assigned Officials are not removed from the draw, but their weighting factor is decreased.
- "None"  
Each bout is individually considered which may cause an uneven assignment. Each Official has the same weighting factor. Basically, the application tries to use an even assignment, but variations are possible.
- "Medium"  
between High and None

- "Bouts between ..."

In order to balance the number of assignments, you can set a number of bouts between 2 assignments of an Official. It is not a guarantee as the assigned Official is not removed from the draw but his weighting factor is decreased.

- [two Referee assignments should be [0..4]]  
Default '2', i.e. there should be 2 bouts between 2 assignments as Referee.
- [two R/J assignments should be [0..2]]  
Default '1', i.e. there should be 1 bout between 2 assignments as Referee or Judge.

Click [OK] to save and close the settings dialog. Klick [Abort] to keep the old settings and close the dialog. Klick [Default] to load the default settings.

### 5.2.2 Preconditions

In order to provide a successful draw in accordance with set options, the following preconditions are required:

1. Availability of minimum number of Official for a bout, i.e. Referee plus set number of Scoring Judges (choose "Event" > "Properties" > "Scoring" > "Judges" > [Number of Scoring judges for one bout [3..5]]).
2. Option 'Country of R/J will be other than boxers countries'; requires exact entry of boxers Nation/team and Officials Nation/Federation.
3. Continent rules require exact entry of boxers and Officials continent. In order to run smaller/regional/Continental Championships, the continent can be redefined as National Associations or sub-continents. For further details see section 0)
4. Officials for a certain bout can be allotted if:
  - a) the bout is still in progress, i.e. no winner is determined yet
  - b) the boxers in both red and blue corner are set
  - c) no Official is set for the bout

### 5.2.3 Judges Filter

It is possible to divide the Officials in 2 or more groups. This procedure is mainly used to run tournaments with 2 rinks to avoid overlapping. Open the dialog either by clicking the on [Officials] in the toolbar or by choosing "Database" > "Officials". In the field [Group], you can enter any group names, e.g. A for rink1 and B for rink 2.

If a "Judges Group" is set in the Competition dialog (choose "Database" > "Competition") for the corresponding session, the filter with the corresponding group appears when the "Judges Draw dialog" is opened for this session. The group name (e.g. A) is inactive and cannot be edited. Otherwise, you can also set the filter to '\*\*all\*\*'.

The list [Included Judges] now shows all Officials assigned to selected group. You can now start the draw.

The option 'Only Judge' in the "Officials" dialog provides another filter option. If 'Only Judge' is selected, the Official is not included in the Referee draw. However, you can assign the Referee manually by choosing "Run Bout" > "Input Judges".

### 5.2.4 Print Lists

The following lists including the Judges Draw results are available:

1. Choose "List" > "Bout" > "Start list (C51)" from the menu bar.  
Like C73 the list contains phase, weight category, date, time, bout number, red corner, blue corner and the assigned Referee and Judges
2. Choose "List"> "Sessions" > "Judges Assignment (C58J)" from the menu bar.  
Like C58 the list contains all bouts of selected session with bout number, weight category, red and blue corner plus assigned Referee and Judges

### 5.3 Manually Entering Officials

Choose "Run Bout" > "Input Judges" if you want to manually enter Officials for each individual bout. In addition, you can navigate through "BoutsDBF". When entering this dialog, the cursor stands on the next bout. The dialog is shown in the next figure:

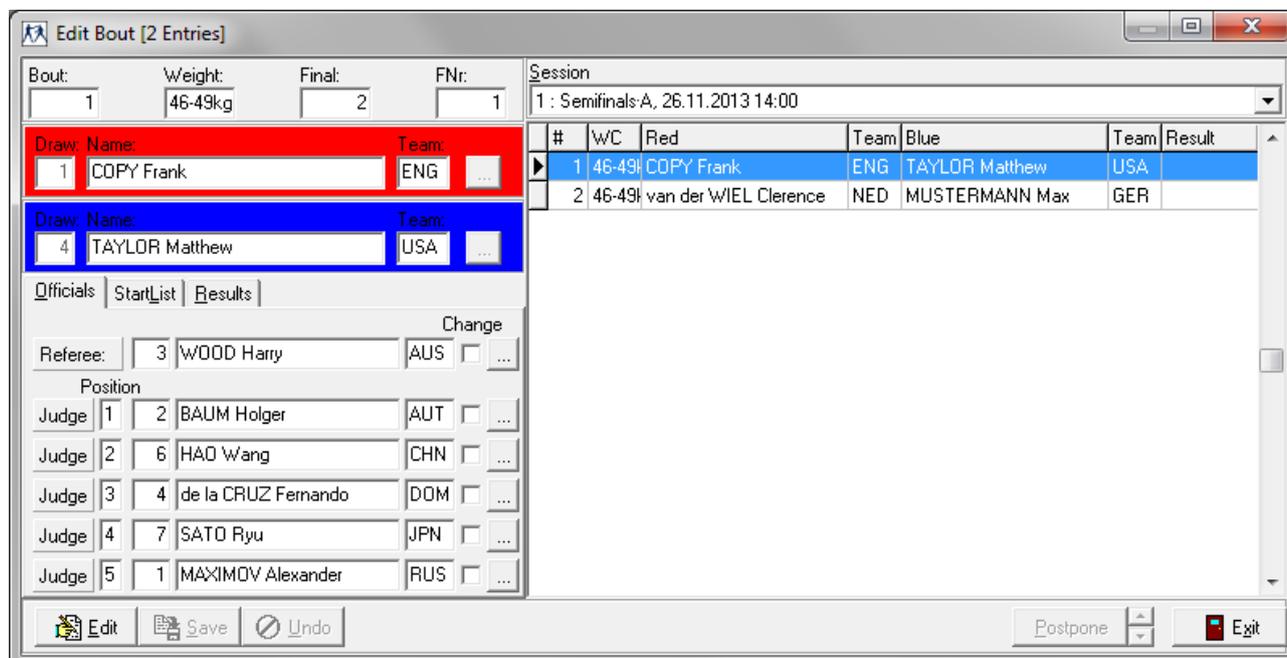


Figure 60 - Manual Entering Bouts

The default entry mode is number-oriented (see ORIS C35B, time-saving entry). However, list boxes allow the user to select Officials using their name or nation. To open these list boxes, click [...].

In order to include the replacement of a Referee or Judge during a bout in the results list, make sure to activate the "Change" option, to the right of each input field.

**Note:** Make sure the first bout is not activated yet. In addition, the dialog can be accessed during a break.

#### 5.4 Run Next Bout

You can now select and run the next bout in accordance with chapter Running a Single Bout.

If the 'Tournament Organization' option is selected, the menu command "Run Next Bout" automatically selects the next bout that is not finished yet. Then, the main competition screen is opened.

**Note:** Instead of choosing the menu command, you may also click on [Next bout] in the toolbar.

#### 5.5 Directly Run a Bout

This feature has been set up to run an individual bout independently from a tournament. This feature does not require any data from the database. All relevant competition data such as names and nations are entered prior to the bout or during the breaks.

After choosing "Run Bout" > "Run Directly" from the menu bar, click "Edit Data" in the following dialog, to open the screen for entering bout data (same procedure as in "Edit Bouts").

Bout		1	REF	WOOD Harry	AUS	BOUT	STOP				
Weight		46-49	RED	COPY Frank	ENG						
		1/2	BLUE	TAYLOR Matthew	USA	J1	J2	J3	J4	J5	
		A	B	C		W	W	K	K		
R1											
R2											
R3											
T	0	0	0	0	0	0	0	0	0	0	

*Note: The table above is a simplified representation of the screenshot. The actual screenshot shows a grid with columns A, B, C and rows R1, R2, R3, and T. The 'T' row contains scores for each column. The 'BOUT' and 'STOP' buttons are visible in the top right corner.*

Figure 61 - Typical bout screen

By clicking [Stop Bout], the "Stop Bout" dialog box is opened (see Figure 64).

**Note:** Competition data are not saved. Certain lists such as "C65A", and "C73" can be printed, as long as you are in the "Run Bout" dialog. There is no Morning/Afternoon/Evening, as there is no direct connection to a session. Weight category short lists can be printed. However, names are only printed, if the category is entered in the "Wclass.dbf" file.

## 6 RUNNING A SINGLE BOUT

The following dialogs currently describe the general procedure. In addition, the window is maximized (including font and control scaling) in order to send the Run Bout screen to the AIBA Supervisor (VGA output).

### 6.1 Starting a Bout

By choosing "Run bout" > "Run Next bout", the following window is opened:

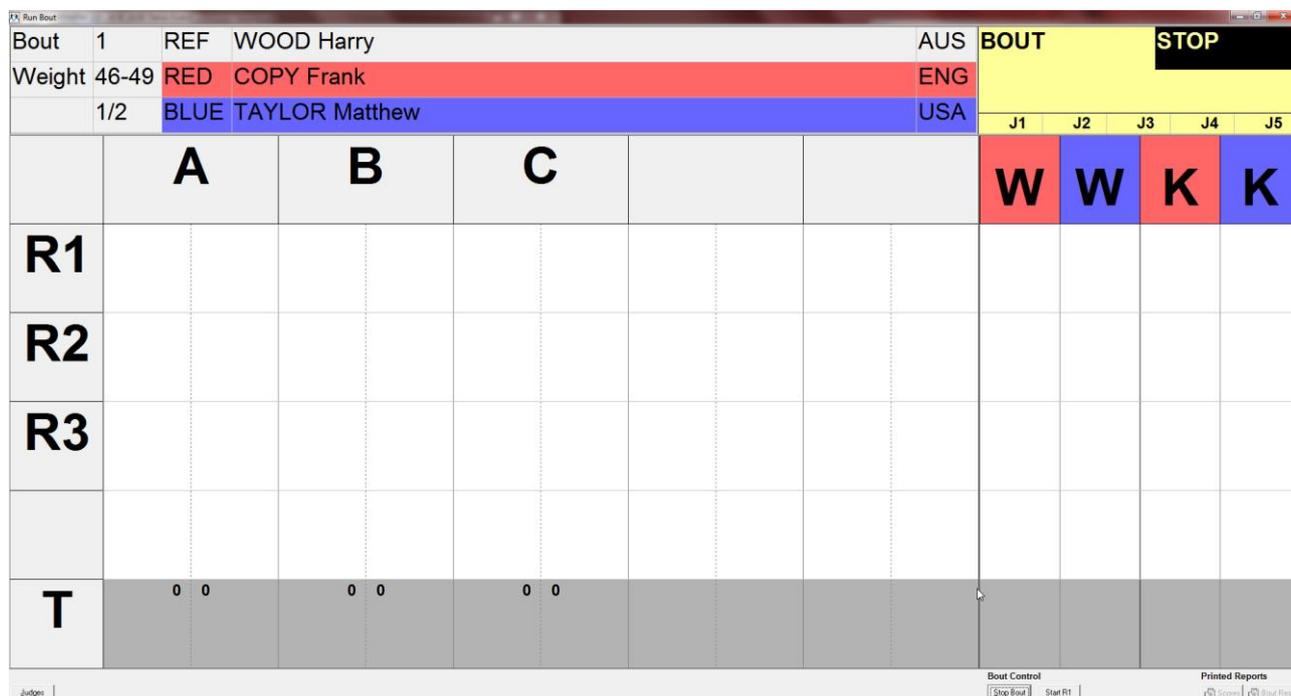


Figure 62 - Bout screen: bout coming

You can click the following in the bottom line of the dialog:

- [Judges]                      Input/correction of the Judges
- [Stop Bout]                    If clicked before the start of the bout it is a WO (Walk Over) result
- [Start R1]                      Starts first round

## 6.2 During a Bout

Once you have clicked [Start R1], the main competition screen switches to the round mode:

Run Bout						ROUND 1 Running				
Bout	1	REF	WOOD Harry	AUS		0:10				
Weight	46-49	RED	COPY Frank	ENG						
	1/2	BLUE	TAYLOR Matthew	USA		J1	J2	J3	J4	J5
		<b>A</b>	<b>B</b>	<b>C</b>		<b>W</b>	<b>W</b>	<b>K</b>	<b>K</b>	
<b>R1</b>										
<b>R2</b>										
<b>R3</b>										
<b>T</b>		0 0	0 0	0 0						

Red Corner: [KD] [F6] [Warning]  
 Blue Corner: [KD] [F8] [Warning]  
 Bout Control: [Stop Bout] [End R1]  
 Printed Reports: [Screen] [Bout Result]

Figure 63 - Bout screen: round running

- [KD] Used to enter knock hits (red/blue) or press function keys ([F6] to [F9])
- [Judges] Input/correction of the Judges
- [Warning] Used to enter the warning for the red or the blue boxer
- [Stop Bout] Bout/round stopped before the regular time has passed, i.e. because of TKO, DQ etc.  
The following dialog is opened in this case:

Stop Bout X

Winner: RED Corner

Result: TKO

Round: R1

Time: 1:23

Comment: free text...

Figure 64 - Stop bout dialog

The drop-down menus are used to enter the winner (red or blue corner), the desired results code (TKO, DQ etc.) and to select the current round. In addition, you can enter the duration of the round (time) and free text (comment). Both appear on the results list.

- [OK] Confirms the entries and switches to the end bout main screen
- [Abort] Cancels the entries and continues the current round
- [End R1] Finishes the current round and switches to the break screen

### 6.3 Break – Break Screen

The following screen is shown after end of round 1.

Bout 2						ROUND 1		STOP	
REF	MAXIMOV Alexander				RUS				
Weight	46-49	RED	van der WIEL Clerence			NED			3:23
	1/2	BLUE	MUSTERMANN Max			GER	J1	J2	J3
		<b>A</b>	<b>B</b>	<b>C</b>			<b>W</b>	<b>W</b>	<b>K</b>
<b>R1</b>		9 10	9 10	8 10					
<b>R2</b>									
<b>R3</b>									
<b>T</b>		9 10	9 10	8 10					

Figure 65 - Bout screen: break

- [Judges] Input/correction of the Judges  
 Continue last round. Can be used if the operator has stopped the round too early or if an additional score needs to be entered.
- [Stop Bout] See above. A bout can also be stopped during the break. In general, the During Bout screen should be used for this feature.
- [Start Rn] Used to start next round

### 6.4 Unofficial result – Final screen

The following screen appears after the last round has been finished or if the operator has clicked [Stop Bout] and entered a result code:

Run Bout						BOUT					END					
Bout	2	REF														
Weight	46-49	RED	TAYLOR Matthew			USA										
	1/2	BLUE	COPY Frank			ENG										
											J1	J2	J3	J4	J5	
											W	W	K	K		
R1	8	10	6	10	9	10										
R2	7	10	6	10	6	10										
R3	10	6	10	7	9	10										
T	25	26	22	27	24	30										

**WINNER BLUE : WP 3:0**

Bout Control: Stop Bout, Set OFF  
Printed Reports: Scores, Bout Result

Figure 66 - Bout screen: unofficial scores



Continue of the last round. Can be clicked if the operator has stopped a round too early or if additional scores need to be entered afterwards.

[Stop Bout] See description above.

[Set Official] The result is set official as soon as the speaker officially announces the winner and the referee confirms the decision.

[Scores] Prints a protocol with scores of each judge (C65A) but no indication of the selected judges.

[Bout Results] Prints the official result protocol (C73).

## 6.5 Official result

As soon as the result is official, it can only be changed by editing it through "Database" > "Results":

Run Bout						BOUT				END				
Bout	46	REF	MIRHUSEYNOV Nazim			AZE								
Weight	60	RED	JOYCE David			IRL								
	1/8	BLUE	SELIMOV Albert			RUS								
	Brovil H DEN		Madfoua F FRA		Tibua Z GEO		Asanau S BLR		Tadic M CRO		W	W	K	K
	J3		J4		J5		J1		J2					
<b>R1</b>	9	10	9	10	9	10								
<b>R2</b>	9	10	9	10	9	10								
<b>R3</b>	10	8	10	8	10	8								
<b>T</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>								

**WINNER RED : WP 3:0**

Printed Reports  
Exit Scores Bout Result

Figure 67 - Bout screen: official scores

- [Exit] Closes the Bout Screen
- [Scores] Prints a protocol with scores of each judge (C65A) but no indication of the selected judges.
- [Bout Results] Prints the official result protocol (C73).

## 7 LIST MENU

The list menu provides a selection of different lists that can be printed. In order to print a certain list, select the desired list entry from the menu. The number in brackets (after the menu entry) is the number of the corresponding list as defined by the ORIS Documentation (Olympic Results and Information Systems).

The list tool is then opened and presents a printable list.

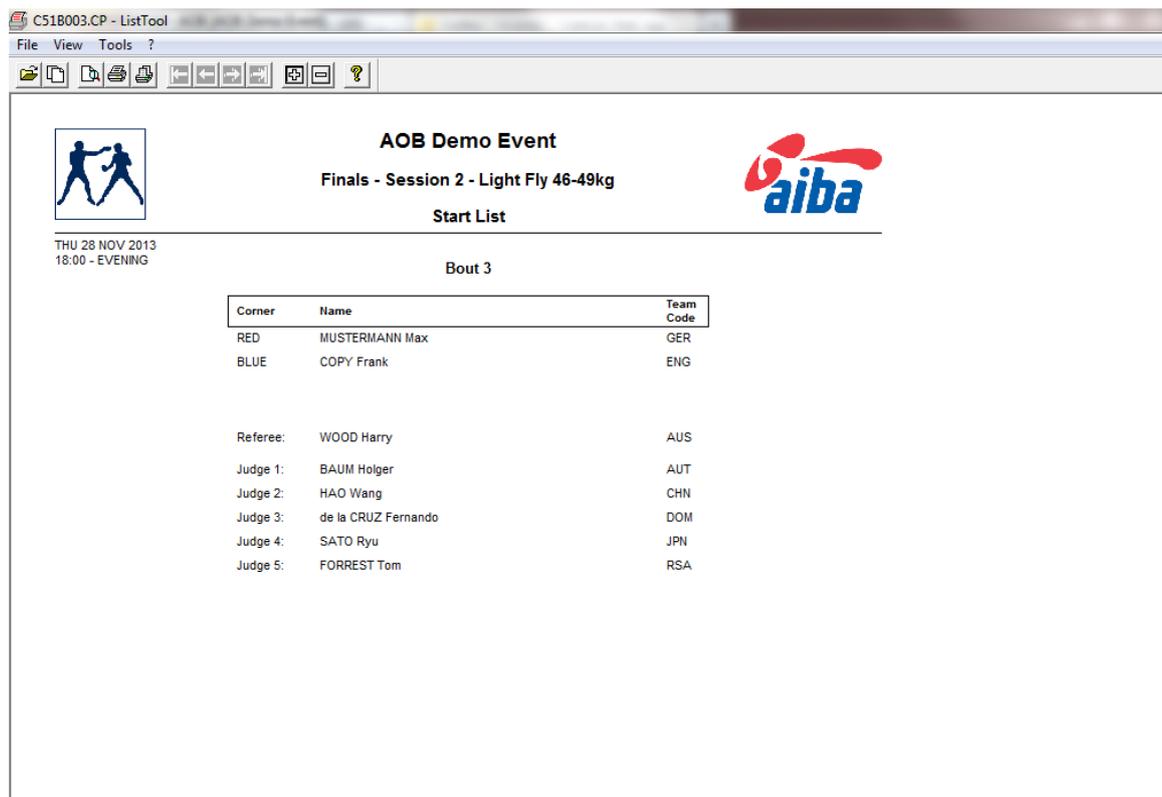


Figure 68 - List tool

Click the [Print] symbol button to print the displayed list.

### 7.1 List Version Control

A version record tracks version, correction and -if necessary- a note for each list.

As the competition progresses, the version number is automatically increased for each list output in the default setting, as soon as new data are available. If corrections are necessary (e.g. due to a decision of the Jury or Exceptional Handling such as Redraw, Postponing Sessions/Bouts), version/correction need to be modified manually. A note explaining the correction can be included in the list output.

The following "Lists Version Control" dialog (choose "List" > "Lists Version Control") is used to cover this functionality:

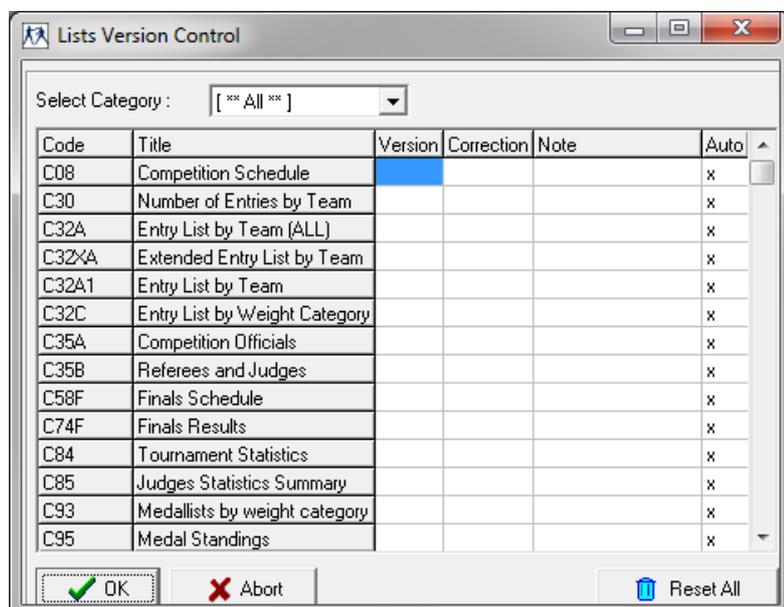


Figure 69 - Lists version control dialog

The list columns of the dialog are fields for a version record.

[Select Category] list box	used to select a category/group
[CODE]	List code
[Title]	List title
[Version]	Increases when data are modified in the course of the competition progress
[Correction]	Sub numbering for data corrections in a version
[Note]	Note explaining the reason for the correction (exceptional handling: redraw, postponing sessions/ bout, disqualifications, etc.)
[AUTO] checkbox	Checkbox with the value x or blank:
▪ AUTO='x'	Default setting used to automatically increase the version number for the following list output. Correction is reset to 0, and the note is deleted (blank).
▪ AUTO=' '	Version, correction and note are set manually. These values are indicated when the list is re-opened.

Therefore, you can edit [Version], [Correction], [Note] and [AUTO] columns, while [CODE] and [Title] cannot be modified.

The lines indicate the individual version record of a list. It is indicated depending on the selected entry in the [Select Category] list box.

When selecting a group (such as C73, X34, etc. for each individual bout), subsequent parts of this group are indicated in the grid (i.e. all results that are already available as output C73B001, C73B002, etc. are indicated after C73).

When entering the dialog, 'All' is indicated in the [Select category] drop-down list box. It includes all list entries. However, it shows only one subsequent (the current) output (i.e. only one line for the currently selected bout for C73, X34, etc.).

- [Reset All]     Reset the version, correction and note value for all indicated lists. All variables incl. subsequent outputs of groups such as C73 or X34 are reset in the All category.
- [OK]            Save all (modified) version variables and leaves the dialog.
- [Abort]         Leave the dialog without saving the changes.

## 7.2 Print Lists for Bout

This menu command is used to create an output for individual bouts.

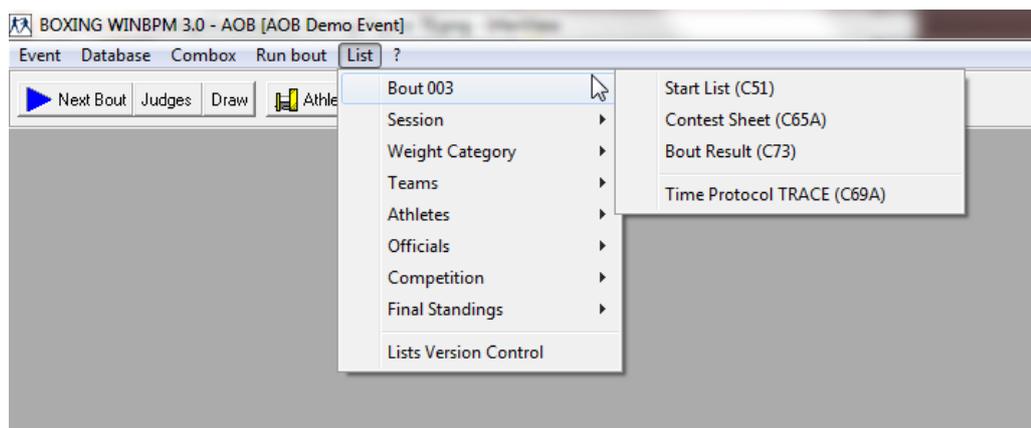


Figure 70 - Bout lists menu

- "Contest Sheet (C65A)"     Complete results list with all evaluations
- "Short Result (C73)"       Short results list with only score per round
- "Time Protocol TRACE"     Time protocol incl. all keypad actions of the judges

If one of the above commands is opened, the following dialog appears:

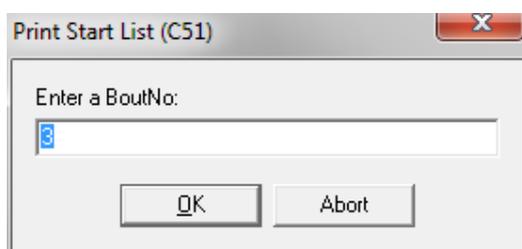


Figure 71 - Entering a Bout Number for Printing

Enter the bout number for which you want to print the list.

### 7.3 Print Lists for Sessions

Menu command "Session" includes lists that refer to one or more sessions.

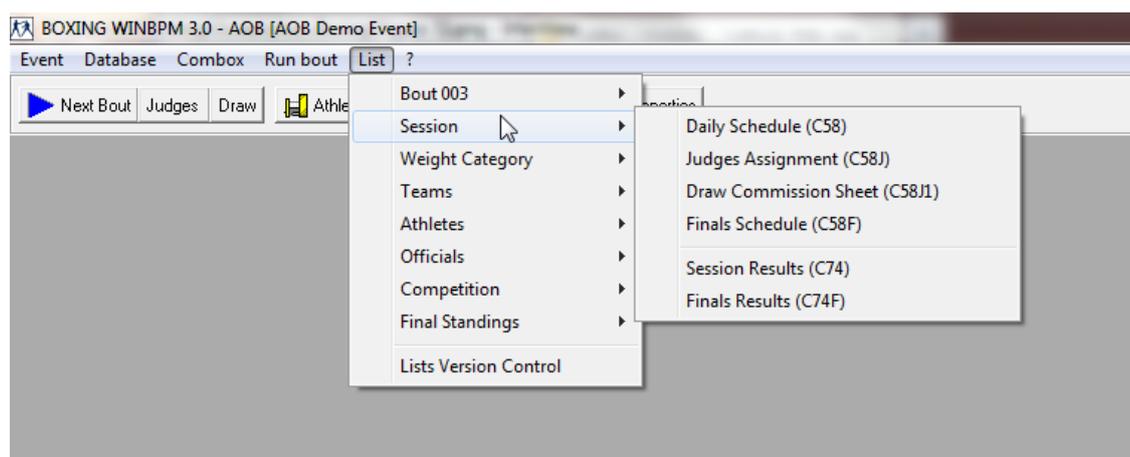


Figure 72 - Session lists menu

"Daily Schedule (C58)"	Schedule for one ore more sessions or per day
"Judges Assignment (C58J)"	Assignment of judges to certain sessions
"Finals Schedule (C58J)"	Schedule with medalists
"Session Results (C74)"	Results of one or more sessions
"Finals Results (C74F)"	Similar to medals list including result

The desired sessions are selected in the next window:

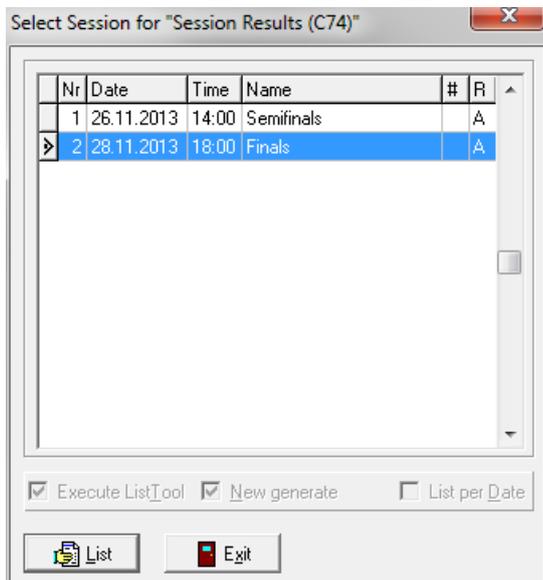


Figure 73 - Selecting sessions for a result list

Select the session to be printed by clicking on it. If you want to print lists of more than one session, select all sessions by clicking them, while holding [Ctrl] key down.

Click [List] to open the list tool.

#### 7.4 Print Lists for Weight Categories

This menu provides lists related to weight categories.

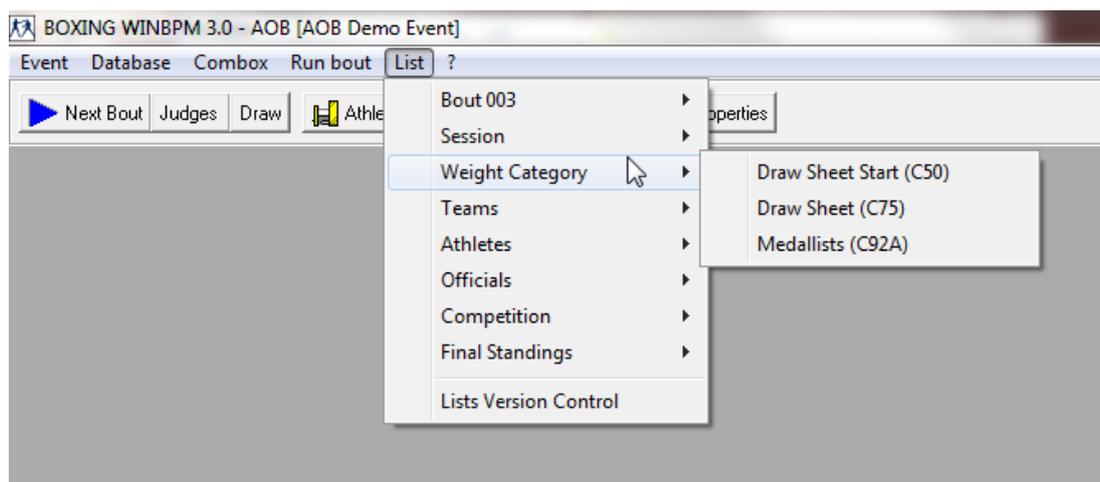


Figure 74 - Weight categories menu

"Draw Sheet Start (C50)" Start list, keeps the draw status

"Draw Sheet Results (C75)" Updated after each bout

If one of these lists is used, another dialog is opened. Choose the desired weight category from the drop-down list box.

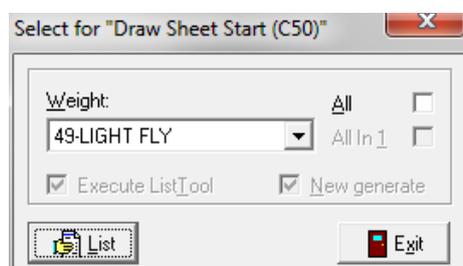


Figure 75 - Choosing a weight category

"Medalists (C92A)" Medalists per weight category

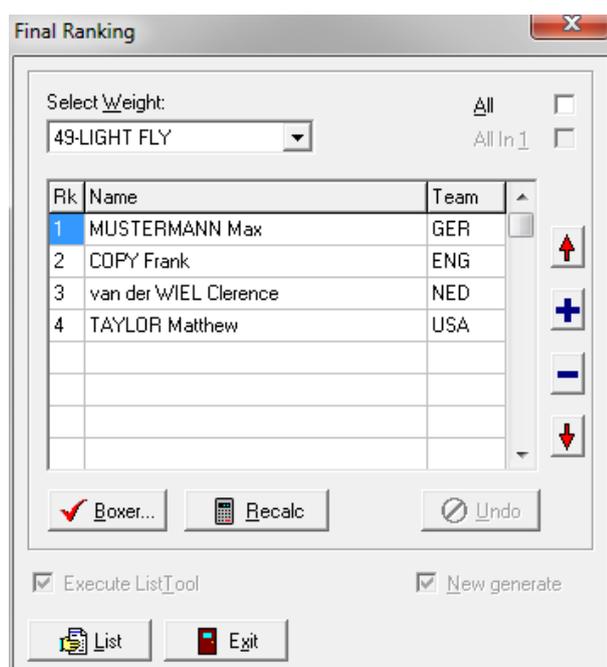


Figure 76 - Final Ranking dialog

You can choose the corresponding weight category from the drop-down list box.

The button [Boxer] is used to replace one or more boxers on the list afterwards.

The button [Recalc] recalculates the ranking as it was calculated by the Tournament Organization.

The "Ranking" dialog is used to indicate and edit the ranking, if the ranking is not in compliance with the automatic rules. Up to 8 ranks are calculated automatically and managed in this dialog.

Automatic rules are as follows:

- If there is no winner in the Semifinal or Final, two medals will not be awarded. No competitor moves up in the list.
- 5th ranks are sorted by NOC.
- Third ranks are sorted depending on the Properties setting "Consider against Gold/Silver". If activated, the loser against the Gold medalist is ranked higher than the winner against the silver medalist. If the checkbox is not activated, the competitors are sorted by NOC (similar to the Semifinals).

Not included is the rule: boxers who have not fought yet, do not receive a medal. This (very rare) rule has to be entered manually in the "Ranking" dialog. Boxers are awarded Rank 5, even if they did not fight.

[Up]	Current line is moved up, rank is not moved
[Down]	Current line is moved down, rank is not moved
[Plus]	Inserts a line, rank is moved down
[Minus]	Deletes a line including rank
[Grid]	The rank can be edited as desired (incl. empty). Sorting is not done automatically, but only during the saving process. Lines with empty ranks are deleted
[Recalc]	To select another name, click [Boxer] or double-click the corresponding line. If enabled, there is a difference between the automatic and manual ranking. 'Recalc' is used to create an automatic ranking
[Undo]	To undo changes since the last saving or since the weight category has been entered the last time. By clicking [List], switching the weight category and selecting Exit, settings are automatically saved. Undo is only enabled, if there have been changes.
[Exit]	Saves the changes and exits the window
[List]	Opens "C92A – Medals by Event"
[Select Weight]	Used to select the weight category

### Example Bronze medal match

The Bronze medal match is not included in the Tournament mode, and rank 3 and 4 are not awarded automatically. The application, however, supports a Bronze medal match as follows:

1. Choose "Properties" > "Categories" and select [Phases] in the drop-down list box. Klick [New] and enter [Key], not equal to '0' and not equal of the others, i.e. 'Key=3'. Enter the desired text, i.e. 'Bronze medal match'. Then click [→] to insert the entry in the list.
2. Choose "Database" > "Competition" and schedule one additional match. The last match (the one which exceeds the number with regard to the KO mode) receives 'Final=0' and 'Fnr=0'
3. Choose "Properties" > "Competition" and deactivate the option "Tournament Organization AUTO"

4. In the toolbar, click on [Session], select match and set[FNr:] to '3'. If necessary, move Bronze match and Final (Database/Session/Postpone), if the Bronze match takes place prior to the Final.
5. Properties/Competition, switch on Tournament
6. As soon as the participant names of the Bronze medal match are available, enter them using Database/Session
7. Once the result is available, enter rank 4 for the loser in the Ranking dialog.
8. Output: The bout lists indicate Bronze medal match as the Phase. In the session lists, the match is indicated the same way as all other bouts. The bout does not appear on the Draw Sheet, but the modified ranking appears in the Standings box.

All medals lists (C92A-Medals by Event, C93-All Medalists by Event, C95-Medals Standing) refer to the ranking indicated in the "Ranking" dialog (irregardless if entered automatically or manually). The point ranking (choose "List" > "Team" > "Team Standings") is not modified by the ranking. This evaluation only considers wins.

## 7.5 Print Lists for Teams

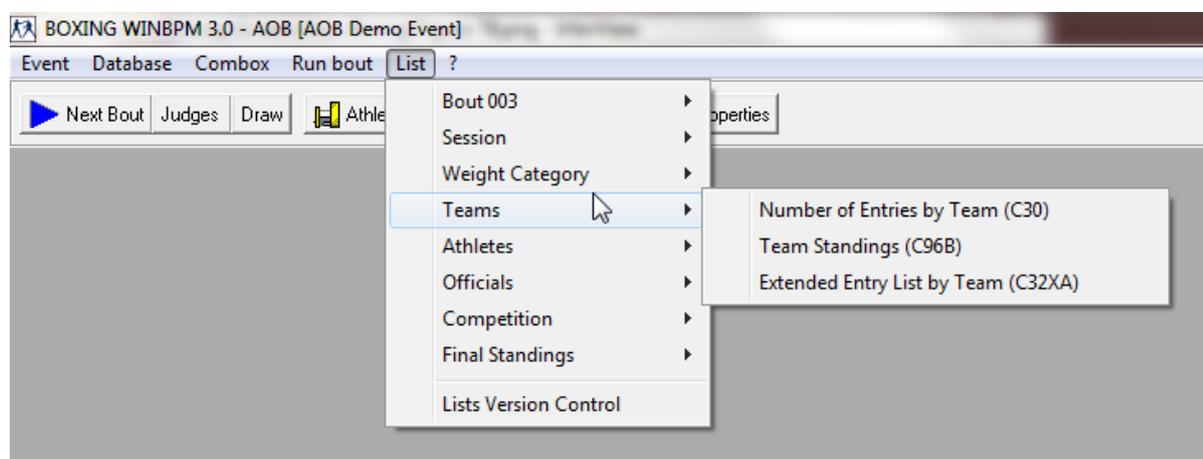


Figure 77 - Teams lists dialog

[Numbers of Entry by Team (C30)]

Statistics on teams and weight categories

[Team Standings]

Ranking by points

[Extended Entry List by Team (C32Xa)]

Opens the following dialog:

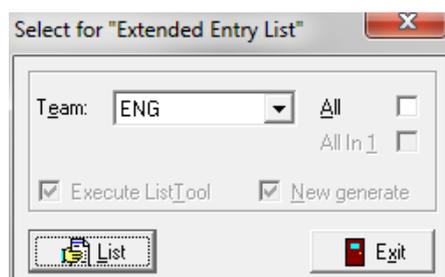


Figure 78 - Choosing a team

This dialog is similar to the drop-down list box of the weight categories (see Figure 75). The only difference consists of the fact that the corresponding team (nation) needs to be selected.

## 7.6 Print Lists for Athletes

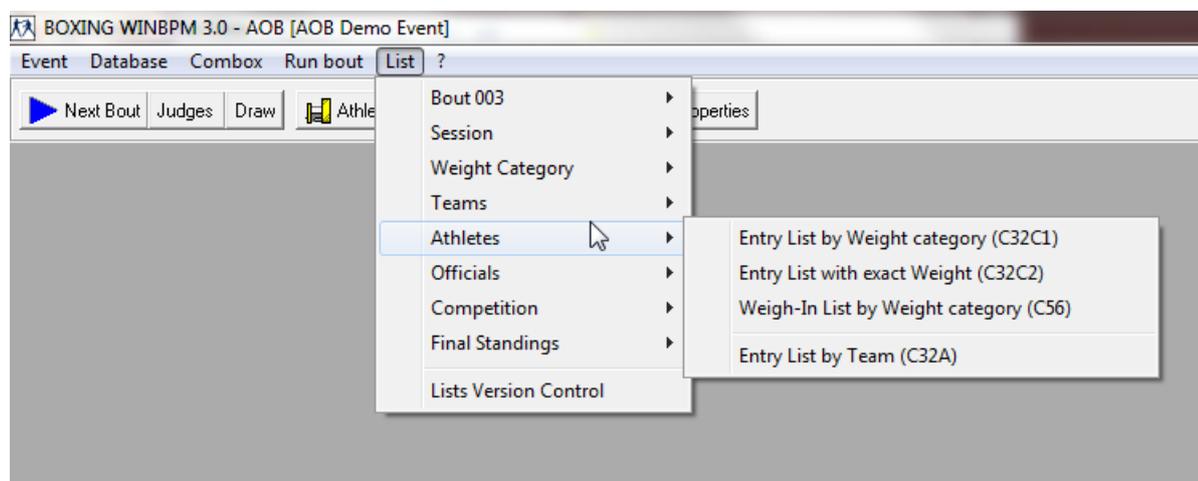


Figure 79 - Athletes lists menu

- |  |   |
|--|---|
| [Entry List by Weight category (32C1)] | Boxers are sorted by their weight category; opens the "Weight Category" dialog (see section Managing Weight Categories) |
| [Entry List by exact Weight (C32C2)]   | exact weight of the competitor in the +91kg weight category   |
| [Entry List by Team (C32A)]            | Boxers are sorted in accordance with their teams; opens the Team Selection dialog (see Figure 78).                      |

## 7.7 Print Lists for Officials

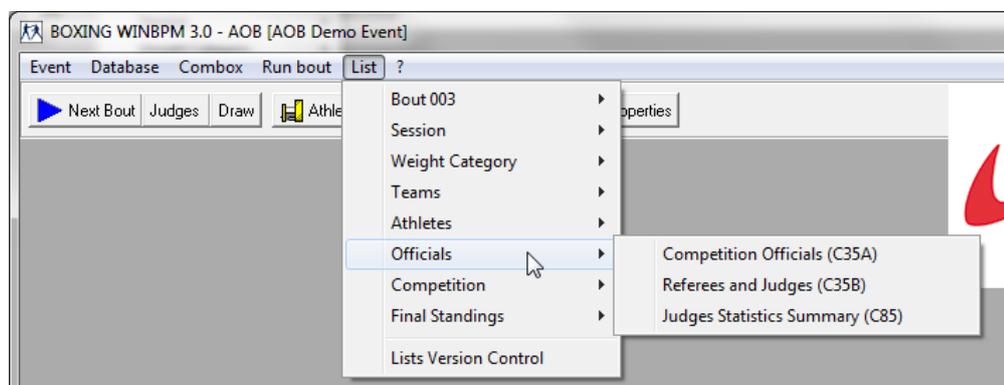


Figure 80 - Officials lists menu

Competition Officials (C35)  
 Referee and Judges (C35B)  
 Judges Evaluation Summary

Officials  
 Names of all judges and referee  
 continuous summary of the judges' evaluation  
 (available as an option)

## 7.8 Print Lists for Competitions

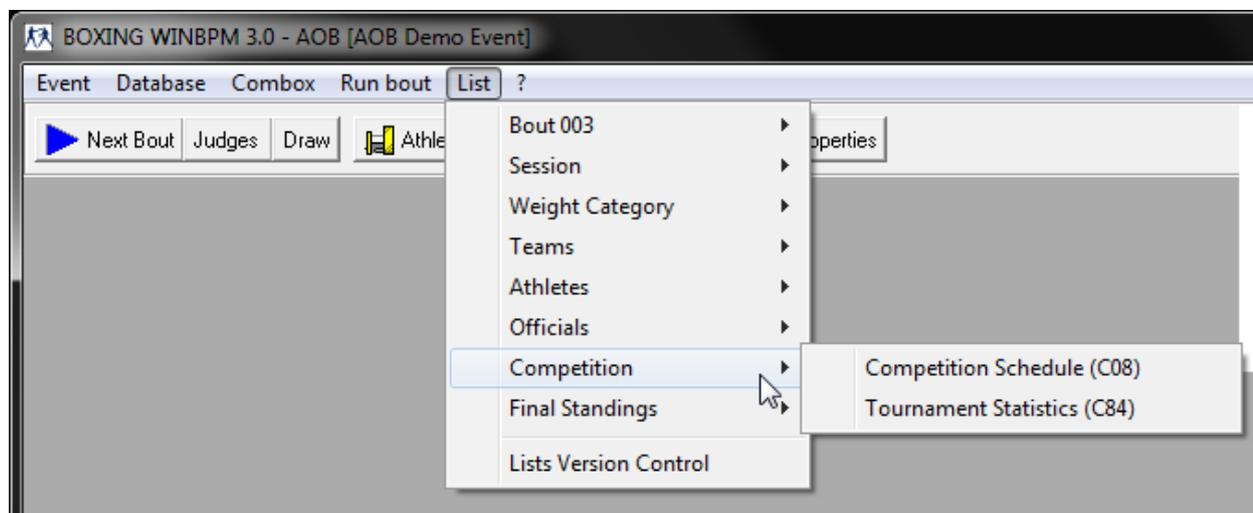


Figure 81 - Competition lists menu

[Competition Schedule (C08)]  
 [Tournament Statistics (C84)]

Competition schedule of the entire event  
 Statistics of all competition results

## 7.9 Print Lists for Final Standings

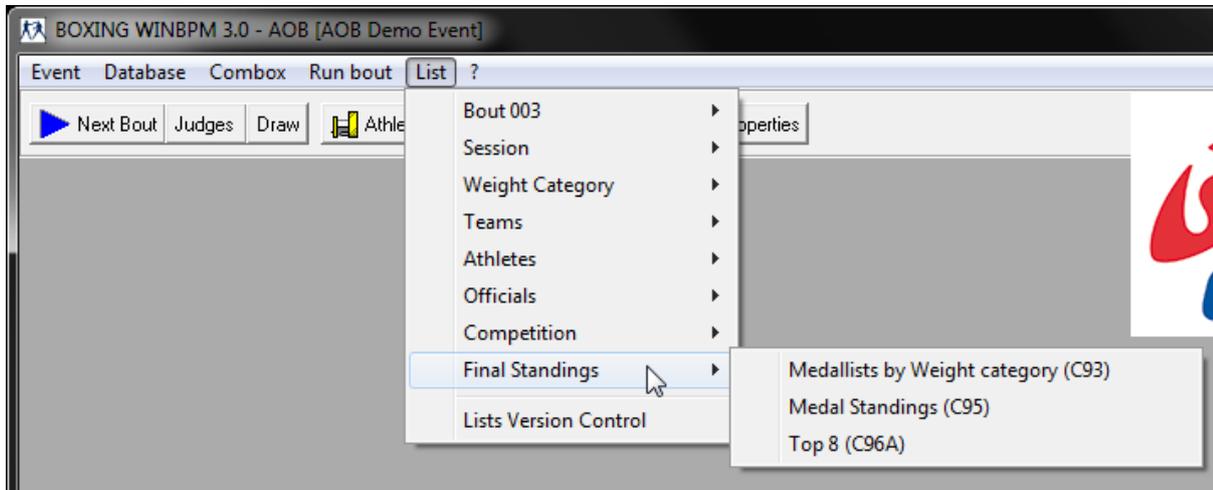


Figure 82 - Final standing lists menu

[Medalists by Weight category (C93)]

Medalists sorted in accordance with their weight category

[Medal Standings (C95)]

Medal standings of all teams participating

[Top 8 (C96)]

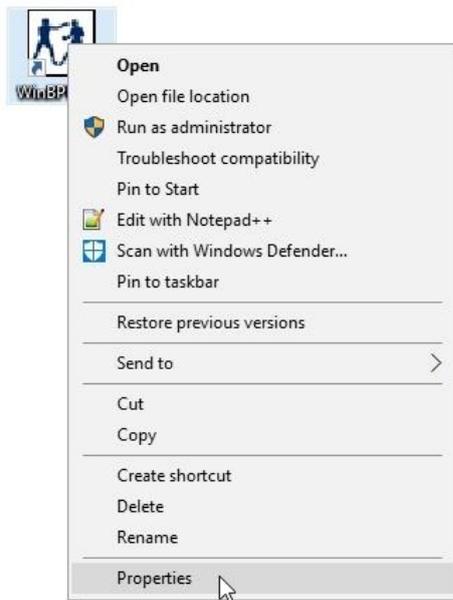
Top 8 competitors per weight category

## 8 TROUBLESHOOTING

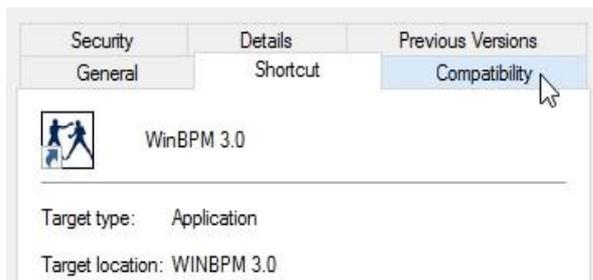
### 8.1 Public Display / UIM CSB does not start correctly

In case you get an error message after opening an AOB event and Public Display application does not start correctly, you can try to start WinBPM as an Administrator. Proceed as follows:

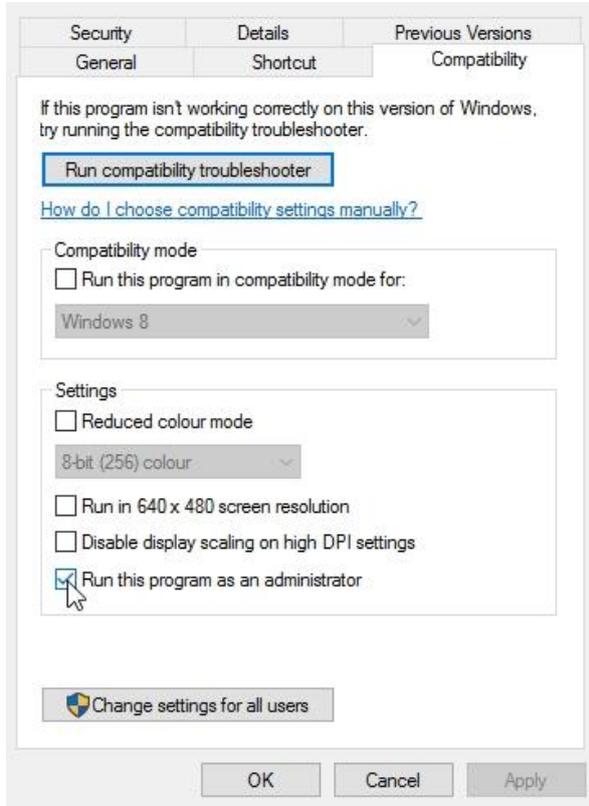
1. Right-click on the WinBPM desktop icon and choose "Properties" from the context menu.
2. Right-click on WinBPM-Shortcut and choose "Properties" (see screenshot below).



3. On the properties dialog, click the <Compatibility> tab (see screenshot below).



4. Activate the option "Run this program as an administrator" (see screenshot below).

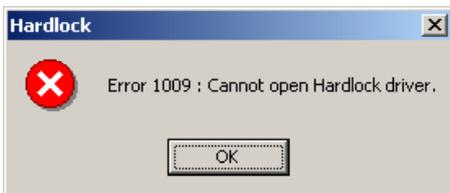


5. Click [OK] to confirm the changes. The dialog closes.

Double-click the WinBPM desktop icon to run the program with administrator rights.

## 8.2 USB Hardlock Error Messages

### 8.2.1 Cannot open Hardlock driver



The driver of the dongle was not installed properly. In order to re-install the driver, put the CD ROM in your CD ROM drive and switch to the folder \hardlock\driver\install\. Double-click "hldr32.exe". Follow the instructions on the screen. If the driver was installed successfully, a red status LED illuminates on once the dongle is connected to the USB port.

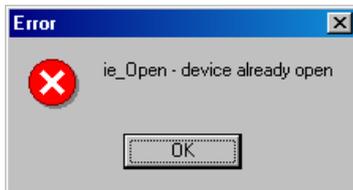
### 8.2.2 Hardlock not found



The dongle (Hardlock) is not connected properly with the USB port of the PC, or the dongle is not the correct one. The dongle might also be defect. If this is the case, please contact the Support.

## 8.3 Serial COM port

### 8.3.1 ie\_Open – device already open



The program could not open the serial interface as the interface was already opened by a different program. Close all programs and check the interface settings (see section 2.4.1).

### 8.3.2 ie\_BadId – Specified comport doesn't exist



The entered number of the serial interface is not correct. An interface with this number does not exist on the PC used. Check the settings and enter the number of a valid interface.

**Note:** Newer PCs doesn't always feature a serial connector. In that case, you have use a Serial-to-USB converter box for connecting the keypads. A usable COM-Port usually shows up in the "Setup Combox" dialog after installing the converter box.

## 8.4 Invalid sports CAT file



The CAT file has been damaged. The program needs to be re-installed.

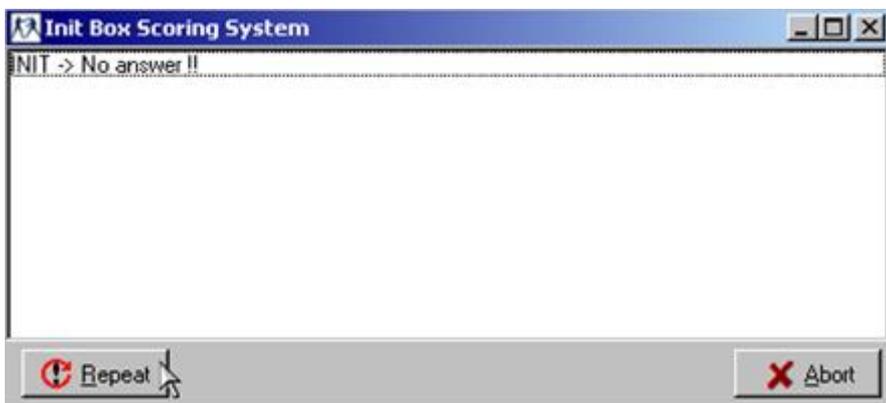
## 8.5 Event path not found



The event path in the Create a New Event dialog is empty. Select a path or enter a new path. Follow the steps described in section 3.2.

## 8.6 Init Boxing Scoring System

### 8.6.1 No connection to the Boxing scoring interface



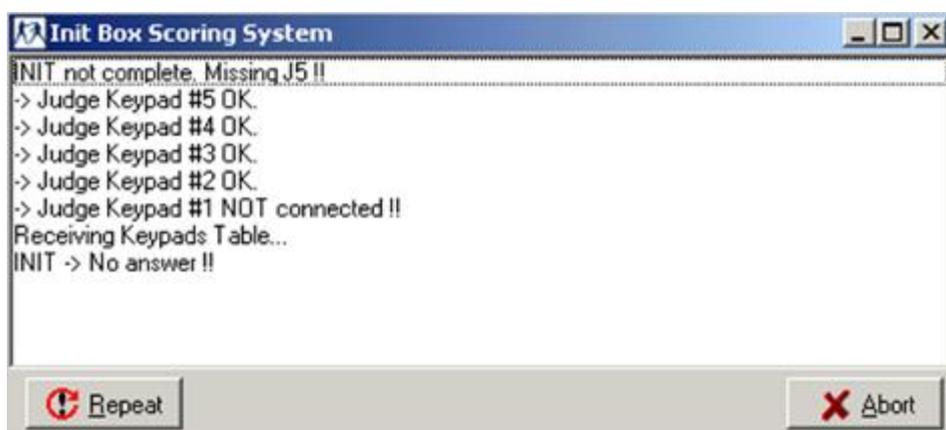
This window indicates that there is no connection to the Boxing Scoring Interface.

Check the following:

- Is the serial cable between PC and Boxing Scoring System connected.
- Are the settings of the serial interface correct.
- Is the Boxing Scoring Interface connected to the power supply.

For details, refer to section 2.3

### 8.6.2 Keypad error



This window indicates that one keypad is not connected properly.

Check the following:

- Is the keypad connected to the Boxing Scoring Interface (BSC2013).

For details, refer to section 2.3

## 9 APPENDIX A

### 9.1 Abbreviations

Abbreviations	
BSS2013	Boxing Scoring System 2013
BSC2013	Keypad Controller 2013

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### 9.3 Version History

Version	Date	Modifications since last version
2.2	15.03.2011	Initial version
3.0	21.08.2013	Modified for WinBPM 3.0.0
3.1	31.01.2017	Added "Troubleshooting" section, new CI Layout, some corrections

## NOTES



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