PICTORIAL HANDBALL MATCH STATISTICS

(*PHMS* for Windows 7 Version E5.3)

User's Manual

March 2012

1. SYSTEM	8
1.1 INTRODUCTION	
1.2 System Name	
1.3 System Function	9
2. SETUP AND START	10
2.1 RUNNING ENVIRONMENTS	
2.1.1 Hardware	
2.1.2 Software	
2.2 SETUP	
2.3 START	
2.3.1 Open	
2.3.2 The main menu	11
3. TOURNAMENT	11
3.1 BRIEF	11
3.2 OPEN	11
3.3 SETING UP TOURNAMENT	
3.3.1 Add	
3.3.1.1 Tournament Code	
3.3.1.2 Tournament Title	
3.3.1.3 Tournament Date	13
3.3.1.4 Tournament Venue	14
3.3.1.5 Tournament Host	14
3.3.1.6 Class	14

HMS Pictorial Handball Match Statistics	IHF Official System
3.3.1.7 Gender	
3.3.1.8 Category	
3.3.2 Modify	
3.3.3 Delete	
3.3.4 Select	
3.3.5 Exit	
3.4 TEAMS	
3.4.1 Brief	
3.4.2 Open	
3.4.3 Team Data Inputting Window	
3.4.3.1 Add and Edit	
3.4.3.2 Import	
3.4.3.3 Late Replacement Notice	
3.4.4 Player Data Inputting Window	
3.4.4.1 Number of Player	21
3.4.4.2 Name of Player	21
3.4.4.3 Position of Player	21
3.4.4.4 Birthday of Player	
3.4.4.5 Height of Player	
3.4.4.6 Weight of Player	
3.4.4.7 International Matches	
3.4.4.8 International Goals	
3.4.5 Edit players	
3.4.6 No more than 16 players	
3.4.7 Player Late Replacement	
3.4.8 Team Officials	
3.5 Referees	
3.5.1 Open	
3.5.2 Functions	
3.6 IHF OFFICIALS	
3.7 GROUPING	

Conducted by: Longman Sportsoft

E-mail: handball@126.com

IHF Official System

3.7.1 Open	
3.7.2 Setting Groups	
3.7.3 Grouping	
3.8 TOURNAMENT LOGO	
3.8.1 Functions	
3.8.2 Open	
4. MATCH	28
4.1 BRIEF	
4.2 OPEN	
4.3 MATCH SETUP	
4.3.1 Initial Data	
4.3.2 Match Details	
4.3.3 Teams	
4.3.4 Players	
4.3.5 Team Officials	
4.3.6 Referees	
4.3.7 Technical Officials	
4.3.8 Table Officials	
4.4 CORRECTION	
4.4.1 Change Match Number	
4.4.2 Change Half Time	
5. RECORD	33
5.1 INTRODUCTION	
5.1.1 How to Access Record	
5.1.2 Hint	
5.1.2.1 Text	34
5.1.2.2 Sound	34
5.1.3 Configuration	
5.2 GENERAL OPERATION	

5.2.1 Essential Knowledge	35
5.2.2 General Shots Record	37
5.2.3 How to Record Other Events	38
5.3 START	38
5.3.1 Select Ends	38
5.3.2 Select Team Uniform Color	39
5.3.3 Select Goalkeeper	39
5.3.4 Select Court Players	39
5.3.5 Start Timing Clock	40
5.4 Shots Record	40
5.4.1 Shooting Player's Number	40
5.4.2 Shooting spot of the Player	40
5.4.3 Landing Spot of the Ball	41
5.4.4 Regular Shots	41
5.4.5 Fast Breaks	42
5.4.5.1 Brief	42
5.4.5.2 Individual Fast Break	42
5.4.5.3 Team Fast Break	42
5.4.6 Breakthrough	42
5.4.7 Free Throws	43
5.4.8 7M	43
5.4.9 Rebounding Shot	43
5.4.10 Shots Blocked	43
5.5 RECORD OTHER OFFENSIVE ACTIONS	44
5.5.1 7M caused	44
5.5.2 Assists	44
5.6 RECORD OFFENSIVE ERRORS	44
5.6.1 About Offensive Error	44
5.6.2 Steps	45
5.6.3 Entering the Goal Area	45
5.6.4 Bad Pass	46

Conducted by: Longman Sportsoft

E-mail: handball@126.com

to the hardware planning. Ask technician for help when necessary.

9. Help

Click "HELP" in the Initial Interface to enter the Help interface. You can find the help you want by clicking relevant content on the Help Interface.

When doing other operations, especially when scouting on the spot, just clicks "Help" for help. All the updated usage will be included in HELP.

10. Live Score Broadcast

After installation of PHMS, you would find an icon "LiveScore" on the desktop of your computer.



This is a module for Website Live Score Broadcast. The function is to upload match data to the website where match score is live broadcasting. Click the "Live Score" icon and setup the connection with Internet, the system will do the rest for Net Live Score Broadcast.

Please refer to "Technical Manual" for detailed information of Live Score.

Epilogue

Should there be any questions aroused, please contact us.

PHMS staff members Longman Sportsoft Institute E-mail: handball@126.com

Designer and Producer: Longman (Li Zhiwen) Program Manager: Jimy (LIU Jianming) Website Manager: Atu (TU Jiale)

Copyright 2011-2016 Chinese Handball Association All rights reserved.

2012-03-10

8. Configuration

8.1 Style

The system provided options of the interface style. Operators could choose their preferred style of the interface, language, port of communication, and match time.

8.1.1 Interface Style

There are 12 styles of interface in different colors. Operators could choose the style they like and to make the operation of PHMS more interesting.

Form Style		lime	
🔿 xp_stead.mskn	🔘 profskin.mskn	1st /2nd Half	30 🗧
• xp_metal.mskn	🔘 plex.mskn	Extra Time 1	5 8
🔿 xp blue.mskn	🔿 macos.mskn		
-	-	Extra Time 2	5 🗧
🔾 watercolor.mskn	🔘 kde.mskn		
🔿 swing.mskn	🔘 beos.mskn	Language	
🔿 qn×.mskn	🔘 aqua.mskn	O Chinese	💿 English
	✓ Yes	× Cancel	
C	Ontions of cou	ofiguration	

8.1.2 Language

Choose the right language according to the requirement of the tournament. The system will print reports based on the default language. There are two languages available in the system. Please be noted that the language would not change after choosing another language till the system rebooted.

8.2 Match Time

Set up match time in accordance with the regulation of the tournament. The default match time had been set according to the IHF playing rules. It's not necessary to set the time in normal situation.

Port config	
Time receive port :	1234
Statistics port :	4000
Statistics IP:	192.168.170.5
Server Name	
-Live Score Broadcast	
Update Fre.	20 🚍 Sec.
Port	Setting

8.3 Port

Configure the communication port according

Conducted by: Longman Sportsoft

E-mail: handball@126.com

PHMS Pictorial Handball Match Statistics

5.6.5 Bad Receive	46
5.6.6 Dribbling Error	46
5.6.7 Offensive Foul	46
5.6.8 Other Errors	46
5.7 RECORD DEFENSE FORMATION	47
5.8 Record Defensive Techniques	47
5.8.1 Brief	47
5.8.2 Defense Succeeded	48
5.8.3 Defense Failed	48
5.9 Record Punishments	48
5.10 RECORD TIMEOUT	48
5.10.1 Team Time out	49
5.10.2 Referee's Time out	49
5.11 SEPARATE RECORDING OF EVENTS IN FAST BREAKS	49
5.12 HALF TIME BREAK	49
5.13 THE SECOND HALF	50
5.14 CHANGE ENDS	50
5.15 EXTRA TIME	50
5.16 WIN BY 7M	51
5.17 INTERRUPTION OF PLAYING TIME	51
5.18 RESUME OF THE MATCH	51
5.19 END OF THE MATCH	51
5.20 RECORD MODIFICATION	52
5.20.1 Immediate Modification	52
5.20.2 Afterward Modification	53
5.20.2.1 Delete	53
5.20.2.2 Insert	53
5.21 MATCH REPORT MODIFICATION (F10)	54
5.21.1 Open	54
5.21.2 Individual Records	54
5.21.3 Match Records	55

Conducted by: Longman Sportsoft

E-mail: handball@126.com

PHMS Pictorial Handball Match Statistics	IHF Official System
5.21.4 Time Played	
6. DATA SERVICE	
6.1 INTRODUCTION	
6.2 DATA TRANSIT	
6.2.1 Data Export	
6.2.1.1 Open	
6.2.1.2 Between PHMS PCs	
6.2.2 Data Import	
6.3 CONNECT	
6.4 NOC CODE	
6.5 Refresh Data	
7. PRINT	
7.1 INTRODUCTION	
7.2 OPEN	
7.3 STATISTICS	
7.4 PREVIEW	
7.5 REPORTS INTRODUCTION	
7.5.1 Standard Tables	
7.5.1.1 Report 11	
7.5.1.2 Report 12xx	
7.5.1.3 Report 13	
7.5.1.4 Report 14	
7.5.1.5 Report 15	
7.5.1.6 Report 16	64
7.5.1.7 Report 17	
7.5.2 Pictorials	
7.5.3 CHN Tables	
7.5.4 Shot Report	
7.5.5 Competition Report	

Selecting "Composed" in the "Print Type" window means to combine reports into one PDF file. Fill in the file name of the composed task in the file name box. Select an option in the "Key Word" window in accordance with the type of the report. Select "No need" when printing multiple reports and hard to specify a key word.

Single Batch	
Match:	
-Print Tasks-	
	Reports: Composed
0	(1601) Score Standings (1610) Assist (1611) Blocks
0	(1612) Defense (1613) Errors (1614) Punishments
0	
O Player Ranking everyday	File Name of Composed Task
	TOPSCORER
0	Reminder:
0	Player Ranking Everyday

Composed Print

7.6.6.4 Print to PDF

Features of Print to PDF are similar with Multi-Print. Multiple reports could be printed by one click. But all print outs are PDF files. It's printed by the system's own PDF printer. All other requirements are the same as it is of Multi-Print.

7.6.6.5 Execute Print

Print task will display in the Print Manager Interface when it has been preset and so dose the related notice. Click the concerned task to see the match number; files to print, and the reminder. Press "Submit" to print the preset task. Or click "Edit" to modify the task.



E-mail: handball@126.com

PHMS Pictorial Ha	andball Match Statistics			IHF Official System
Р	rint Task Config			
-Tas	k Information			
	Task Title			
R	eports to print	Reminder		
	efault Printer	Print Type Print To PDF	O Composed	
		Key Word O Match No. O Team	 Date No need 	-

Preset Print Task

7.6.6.3 Composed Print

Composed Print is to combine different type of reports into one and print by one click. Please click "Add" to get the task preset window, fill in the title of the task in the Task Title Box, Select reports to print by press the key "Select", fill in notice in the Reminder Box, saying that when the task should be done. Configuration of default printer must be a PDF printer (Please refer to the "Technical Manual" of PHMS).



Fleset Composed

PHMS Pictorial Handball Match Statistics	IHF Official System
7.5.5.1 Brief	
7.5.5.2 Print outs	
7.6 PRINT MANAGER	
7.6.1 Introduction	
7.6.2 Directory	
7.6.3 Print Options	
7.6.4 Auto Name	
7.6.5 Single Print	
7.6.6 Print in Batch	
7.6.6.1 Brief	72
7.6.6.2 Multi-Print	73
7.6.6.3 Composed Print	74
7.6.6.4 Print to PDF	75
7.6.6.5 Execute Print	75
8. CONFIGURATION	
8.1 STYLE	
8.1.1 Interface Style	
8.1.2 Language	
8.2 MATCH TIME	
8.3 PORT	
9. HELP	
10. LIVE SCORE BROADCAST	
EPILOGUE	

E-mail: handball@126.com

1. System

1.1 Introduction

Pictorial Handball Match Statistics (PHMS), based on the latest on-the-spot techniques scouting theory, is developed by Longman Sportsoft Group. This System has the following advantage and characteristics:

Easy to operate

Instead of using code input, what the operator needs to do is just point and click, that is, on-the-spot match data are recorded with the mouse and on the pictorial interface, thus the system successfully breaks the bottleneck of speed limit for inputting large quantity of data. Operators need not memorize any data code and people with some handball knowledge can learn to use the system without much difficulty or training.



Highly automatic and intelligent:

With the technology of automation and intelligence applied in data input, the system can use the preset logic algorithm and relevant parameters to create and transform pictorial data automatically. Automation and intelligence in the process of recording greatly decreases the labor quantity and intensity of the operators.

window. The function of Print in Batch is so excellent that it could simplify a large scale of complicated printing tasks and reduce the working intensity of the operators.



Print in Batch provides the following functions: Preset and print different sorts of reports by one click; Preset a combination of different sort of reports and print them into one file afterwards by one click; To connect the preset task to a notice reminding the operator when the task should be executed.

7.6.6.2 Multi-Print

Multi-Print is one of the functions provided by Print in Batch. Preset task of printing multiple reports could be done by one click with this function. Please click "Add" to get the task preset window, fill in the title of the task in the Task Title Box, Select reports to print by press the key "Select", fill in notice in the Reminder Box, saying that when the task should be done. Configuration of default printer would decide whether the print out is hard copy or a digital file.

Selecting "Print" in the "Print Type" window means a regular printing. Select an option in the "Key Word" window in accordance with the type of the report. Select "No need" when printing multiple reports and hard to specify a key word.

Interface to enter the Auto Name window. All reports of PHMS have their own official file name. The function "Auto FinleName" could change the official name of a file into your preferred name. The system then would use your preferred name automatically when printing out the concerned report.

Please select a report first for rename and its official name will display at the bottom of the window. Fill in your preferred name of the report in the box at the bottom. Then press "Save" to confirm and return. Please note that there must be a symbol "%" in the file name which is a key variable representing "Match No.", "Team", and "Date" respectively.

7.6.5 Single Print

Press the key "Single" in the Print Manager Interface to enter the Single Printing window. Report number must be selected for single printing. Report Number could be filled in or selected by press the key aside the Report Number box.



A notice of report type will display in the notice box at the bottom informing what should be done next. For example, a notice will show after report 52 (Official Match Report) selected as: Printed by Match No. It means that a match number must be selected next for printing.

Report 52 of one or more matches could then be printed after all options being done.

7.6.6 Print in Batch

7.6.6.1 Brief

Press the key "Batch" in the Print Manager Interface to enter the Printing in Batch

Conducted by: Longman Sportsoft

E-mail: handball@126.com

Powerful in error correction

The system has the powerful function of correcting errors in data inputting. During the on-the-spot recording, operators have to remain concentrative on the fast progress and many changes in the ongoing match, and thus are prone to make mistakes. The flexible function of error correction and audio notice are set in the system. In the recording of complex data, the later inputted data will replace the former accordant items till the concerned record completed. This function provides the operator with much convenience and makes rectification very easy.

Large in capacity

Match statistics are presented in the pictorial form for the first time in handball, which can directly and clearly reflect the whole match process. This system can print out more than 50 sorts of match reports either in table or pictorial form right after the match; therefore it can be applied to professional and amateur matches of all kinds and is thus able to meet the needs of any events to the greatest extent.

Real time data transmit

With its specific interface, PHMS can simultaneously transmit real time data to Internet and TV live broadcast. All result reports could be on line right after the match and confirmed by technical delegate. People in the hall or far away from the playing venue could enjoy the real time information generated by PHMS.

1.2 System Name

PICTORIAL HANDBALL MATCH STATISTICS

PHMS for Windows 7 Version E5.0

Developed by Longman Sportsoft Group

Approved as official system by Chinese Handball Association and the International Handball Federation.

1.3 System Function

This system is especially designed for the technical statistics of indoor handball matches of international and domestic, professional and amateur events. It has the following functions:

a) To record initial data of tournament, team roaster, technical officials, etc.

b) To record in the pictorial form all kinds of technical events and actions happening on the court in a match, such as scoring, infringements, offensive and defensive, succeeded and failed actions, etc.

c) To provide result reports to help the organizer and facilitate the tournament

organizing works.

d) To provide integrated and detailed match reports to media.

e) To sort out the recorded data and print out detailed statistics reports in both pictorial and table form.

f) To exchange data among different venues through networks.

- g) To provide data for the timing and scoring system.
- h) To provide scouted data for Internet.

2. Setup and Start

2.1 Running Environments

2.1.1 Hardware

IBM compatible CPU 2.0GHz or higher, memory 1G or higher, display 1024 * 768 or higher, HP laserJet 1010 or later version or compatible.

2.1.2 Software

Windows XP or Windows 7, Microsoft Office, PDF reader and printer.

2.2 Setup

To install the system, insert the system CD in the CD-ROM drive, click the Set Up file and then follow the instructions till installation completed. You may use the default directory for the system or create your own. When the setup is completed, you will find "PHMS" on your program menu from the Start list.

2.3 Start

2.3.1 Open

Click "PHMS" from the program list on the pop up menu and you will see the notice "Please insert USB key". Insert the key, click "Yes" and the following interface "Starting program" will appear for a few seconds. Following is the main interface of PHMS when it's ready to work.

7.6.2 Directory

Press the key on the right of the "Save to Directory" box, a window of "Select Directory" will pop up for your selecting a directory for saving the printed out files. The directory selected must be the first one after the root. Click "OK" to return.

7.6.3 Print Options

There are three options concerning print. "Print Type" is to decide the way of printing. Preview, Print and Print to PDF can be selected.

"Print Option" is to configure the default

printer. The preset default printer is the key to fulfill the printing task automatically. Refer to the "Technical Manual" of PHMS for a detailed configuration of default printer.

Pages can also be set with this function. Some of the reports have lot of pages but usually one would be enough. Preview the report when number of pages of the report was unknown.

"Task Delay" is special technical functions to allow a slow running PC fulfill the heavy printing task by prolong the interval of each task. Make it a few seconds longer when the computer used for the system was too slow to ensure a smooth printing of a long queue of reports.

7.6.4 Auto Name

Press the key "Config" in the "Auto FileName" box in the Print Manager

	👑 select Directory 🛛 🔽
ect	Please specify a directory
g a	🖹 🖘 Windowsxp (C:)
The	- 🗁 360Downloads 🛛 🔤
	🗄 🕀 🛅 360Rec 🔤
ter	🔚 🛁 chenhu2
	🕀 🛅 Documents and Settings
	🗁 Downloads
	🕀 🦳 Herosoft
	🕂 🦰 HP Universal Print Driver PC
	🕂 🦳 Intel
ng.	Selected directory:
<u>-</u>	C:\PDF
be	
	OK Cancel
ult	Select Directory
Selec	t Report

Auto FileName
⊕ (12) Result
(13) Match Process
(14) Indv/Team Match
(15) Indv/Team Total
-
- (21) Pictorial Match Statistics
· · · · · · · · · · · · · · · · · · ·
E (33) Errors
± (34) Defensive Technique
(41) Match Shot Spot
(41) Match Shot Spot
(42) Fotal Shot Spot
(10) Match Statistics (For Medias)
- (52) Match Report
(53) Team Roaster (For Medias)
(54) Team Roaster (16Players)
(55) Team Roaster (14Players)
Sana Sana
Jave



Auto Name

Press "Team Roaster" will print out all 16 players. Only players who are going to play would be printed out if the key "Line Up" pressed.

7.6 Print Manager

7.6.1 Introduction

As there's heavy printing task before, during, and after the match, PHMS provide the function of "Print Manager" to facilitate the heavy printing work and enhance the printing efficiency.

(52) Match Report (53) Team Roaster (For Medias) (54) Team Roaster (For Match) Print Manager

Click "Print Manager" in the Print pull down menu to get into the "Print Manager" interface.

Functions and options in the interface are as follows:

"Save to directory" is the directory where the files printed by the system are saved. Special attention must be paid to the set up of this directory as it must be set as the first directory after the root.

"Auto FileName". All reports output from the system has its own official name. The function "Auto FinleName" could change the official name of a file into your preferred name. The system would use your preferred name automatically when printing out the file.

"Print Type" is to decide the way of printing.

"Print Option" is to configure the printer, number of copy and pages.

"Task Delay" is a special technical function to allow a slow running PC fulfill the heavy printing task by prolong the interval of each task.

"Single" is to print one sort of report of many matches at the same time.

"Batch" is a particular and strong function of the "Print Manager". It can print out different sort of reports separately at the same time. Or combine different sort of reports into one file and print it out with a preset name and format. With this function, the system can fulfill preset complicated printing tasks with one click. It greatly simplifies the printing work and enhances the working efficiency.

Remarks:

The function of Print Manager is based on the performance of software "PDF Printer" which is not included in PHMS. A free software "PDF Printer" named Free PDF is included in the PHMS package. But it dose not guarantee that all functions of Print Manager be well performed.



2.3.2 The main menu

On the initial interface, you'll find 8 menus as Data Service, Tournament, Match, Print, Config, About, Help, Exit.

PHMS							
Data Service	Tournament	Match	Print	Config	About	Help	Exit

3. Tournament

3.1 Brief

The function of Tournament is to set up a tournament, add a new one, delete an old one, or modify information of an existing tournament. When a new tournament is set up or an existing tournament is selected, it becomes the default tournament of the system. All the later operation of the system will be on this tournament automatically. Initial information of the tournament like team's data, referees and officials would be entered with this function.

3.2 Open

To enter the Tournament Interface, click the initial menu "Tournament", you'll see the 6 submenus like: Setup, Teams, Referees, IHF Officials, Grouping and Tournament Logo as follows:

PHMS Pictorial Handball Match Statistics	IHF Official Syster		
Tournament Match Print C			
Setup			
Teams			
Referees			
IHF Officials			
Grouping			
Tournament Logo			

3.3 Seting up tournament

The following window could be seen when "Setup" was selected.

Code		Name	Place	
100717	XVII WOMEN'S JUNIOR V	ORLD CHAMPIONSHIP 2010 IN KOR	KOREA	i i
201100	2011年全国女子手球冠军	杯赛	湖北宜昌	
200000	200000		200000	
201111	201111		201111	
201195	2011年中国男子手球联赛	(第一阶段)	中国	

3.3.1 Add

The function of "Add" is to create a new tournament. The following window

could be seen after clicking the key "Add" Add

urnament infomation		
Code	6 Bytes	
Title		English
		 Local
Venu	English Begin Time	•
	Local End Time	•
Host	•	
Class		
Olympic Games	Super Globe	
World Championships	International Club Tournament	
Continent Championships	Continental Club Tournament	
🔘 World Cup	Club Tournament	
International match	Continental Championship	
O Domestic match	Continental Cup	
Qualification of Olympic Games	National Championship	
Qualification of World Championship	 National Cup 	
Category	Gender	

Conducted by: Longman Sportsoft

E-mail: handball@126.com

IHF representatives are correct before printing out the blank match report. This blank match report will be used as the IHF official score sheet by the scorekeeper through out the match after it's signed by both responsible team officials. The copy of it could be used as the Team Roster of the match for Medias.

At the end of the match, a filled out match report with all the details such as scores, goals by players, warning, 2 minutes should be print out. It is helpful in comparison with the official Match Report filled out by scorekeeper at the match. The official score sheet is prevail when there is any difference.

If there was any problem during the match and the referees confirmed he would like to write something on the Match Report, it could be entered in the Match Setup Interface and fill in the remarks of referee right at the end of the match.

Remarks Of Referee	 Filled Report Blank Report
Close	✓ Yes Cancel

Blank Match Report with only player's names can still be printed out even at the end of the match by clicking the option "Blank Report" in the Printout Interface. (53) TEAM ROSTER (FOR MEDIAS)

With all the details of players and team officials, such as age, height, weight, position, etc, the Team Roster for Media is of great help for Medias to get to know the background of the team. It's optional that printing one team only or a few teams when printing.

(54) TEAM ROSTER (FOR MATCH)

Only number and names of players and team officials participating in the match will be printed out in the Team Roster for Match. Team Roster for Match is useful for correct the names of all the teams before the opening of the tournament, good for coaches to check and hand in the player's list before match, and helpful for a final check to the team list by technical officials before the match. PHMS recording will be carried out based on the Team Roster signed by both responsible team officials and technical official.

	Team Roster for the Match	×
(51) Match Statistics (For Medias)		
(52) Match Report	✓ Team Roster	
(53) Team Roaster (For Medias)		
(54) Team Roaster (For Match)		

There would be two options as above in the "54 Team Roaster (For Match)".

IHF Official System

each team in one match.

(3404) INDV TOTAL DEFENSIVE TECHNIQUE Statistic of defense actions succeeded and failed made by individual player of each team in the whole tournament.

7.5.4 Shot Report

There are totally 3 Shot Reports.
(41) MATCH SHOT REPORT
Statistic of shooting areas and landing spots of the ball at the goal frame of the two matching teams and each player as well, in one match.
(42) TOURNAMENT SHOT REPORT
Statistic of shooting areas and landing spots of the ball at the goal frame of each team and each player as well, in the whole tournament.
(43) GOALKEEPER TOTAL REPORT
Statistic of saving areas of goalkeeper. Result of goalkeepers of all teams is printed in one report to facilitate studying of goalkeepers.

7.5.5 Competition Report

7.5.5.1 Brief

The Competition Reports are mainly designed to meet the requirement of competition management and Medias. They can provide standard Team Roster, blank official Match Report before the match and filled out Match Report at the end of the match, and a highly compressed "all in one" statistics report in one paper for medias.

7.5.5.2 Print outs

(51) MATCH STATISTIC (FOR MEDIAS)

The report of Match Statistic (For Medias) is a highly compressed "all in one" statistics table in one paper for medias. It contains most of the important match data like shooting efficiency, error, assistant pass, punishment and running score, etc. to meet the needs of Medias.

(52) MATCH REPORT

It is the IHF official report with statistic data of the two matching teams exactly in the IHF official format. At the beginning of the match, a blank Match Report with team's list would be printed out for the use of scorekeeper and Medias. Operator should check and ensure the match date, time, hall, name of technical officials and

Conducted by: Longman Sportsoft

3.3.1.1 Tournament Code

Being the only and most important mark of a tournament, Tournament Code must be first set in the tournament setup. Tournament code is composed of 6 bytes, which can be numbers or letters. This limited number of code should be fully used to indicate the characters of different tournaments. For example, with the former four indicating the year and the latter two the serial number of tournament in the year; or the former two indicating the match level (category, age, etc), the two in the middle representing the year and the latter two the serial number, the code could simply carry information of the tournament. For instance, 200409 indicate the 9th tournament of 2004, and JW9901 represents the first tournament of 1999, which is a junior women's championship.



Remarks:

If there were both male and female matches in a big event, matches of male and female teams must be marked separately with different tournament codes.

Since it is a very important mark of record, Tournament Code must be arranged uniquely. When a new tournament code is setup, all the following records will be marked solely by the code. If you want to retrieve records of a former tournament, just input the accordant code and you will find all the information concerned.

3.3.1.2 Tournament Title

The official title of a tournament is composed of up to 45 bytes. You can select a tournament title from the popup panel. If there is none, key in the title.

Title	MEN'S CHAMPIONSHIP 2004 JIANGSU	English
	MEN'S CHAMPIONSHIP 2004 JIANGSU	Local

Tournament title could be in both English and local language. Local language is for kind of indication only, it could not be printed out.

3.3.1.3 Tournament Date

Input the date when the tournament begins and ends. You may select the date from the panel or just input it manually.

Begin Time	2004-09-19 💌
End Time	2004-09-26 💌

Remarks:

When setting the tournament, the system will automatically set the present date as the date when the tournament begins. Remember to reset the date when necessary.

3.3.1.4 Tournament Venue

The venue of a tournament is usually a city name, such as Beijing or Tokyo. In international tournaments, the venue should be the name of a country, such as China, Japan and so on. Venue name in English and local language should be inputted separately.

Place	FRANCE	English
	FRANCE	Local

3.3.1.5 Tournament Host

The host of a tournament is usually a country, which could only be selected from the popup menu. This is an important key word for the system.

3.3.1.6 Class

It indicates at what class or level the tournament is. You may select one from the 16 classes in the window accordingly.

Class	
 Olympic Games 	🔘 Super Globe
World Championships	🔘 International Club Tournamen
Continent Championships	🔘 Continental Club Tournament
🔘 World Cup	🔘 Club Tournament
🔘 International match	🔘 Continental Championship
🔾 Domestic match	🔘 Continental Cup
 Qualification of Olympic Games 	🔘 National Championship
Qualification of World Championship	🔘 National Cup

3.3.1.7 Gender

It indicates whether the tournament is men's or women's. Select one from the window.

Conducted by: Longman Sportsoft

E-mail: handball@126.com

match.

(3102) TEAM TOTAL ATTACK/DEFENSE

It's a useful statistic for teams' offense and defense efficiency in the whole tournament.

(3103) INDV MATCH OFFENSE / DEFENSE

It's a useful statistic of offense and defense efficiency for individual player of each team in one match.

(3104) INDV TOTAL OFFENSE /DEFENSE

It's a useful statistic of offense and defense efficiency for individual player of each team in the whole tournament. (3201) TEAM MATCH SHOTS Team shot statistic for the matching teams in one match. (3202) TEAM TOTAL SHOTS Team shot statistic for teams in the whole tournament.

(3203) INDV MATCH SHOTS

Shot statistic for individual player of each team in one match.

(3204) INDV TOTAL SHOTS

Shot statistic for individual player of each team in the whole tournament.

(3301) TEAM MATCH OFFENSIVE ERRORS

It's the statistic of offensive errors made by each of the matching teams in one match.

(3302) TEAM TOTAL OFFENSIVE ERRORS

It's the statistic of offensive g errors made by each team in the whole tournament. (3303) INDV MATCH OFFENSIVE ERRORS

It's the statistic of offensive errors made by individual player of each team in one match.

(3304) INDV TOTAL OFFENSIVE ERRORS

It's the statistic of offensive errors made by individual player of each team in the whole tournament.

(3401) TEAM MATCH DEFENSIVE TECHNIQUE

Statistic of defense actions succeeded and failed made by each of the matching teams in one match.

(3402) TEAM TOTAL DEFENSIVE TECHNIQUE

Statistic of defense actions succeeded and failed made by each team in the whole tournament.

(3403) INDV MATCH DEFENSIVE TECHNIQUE

Statistic of defense actions succeeded and failed made by individual player of

Score standings are ranked in order of the shots saved by goalkeepers. The column "Rate" refers to the percentage of each sorting item in the table. The following tables are the same.

(1702) SCORE STANDINGS (NON-7M GOALKEEPER)

Score standings ranked by non-7 meter throws saved by goalkeepers. (1703) SCORE STANDINGS (7M GOALKEEPER)

Score standings ranked by 7 meter throws saved by goalkeepers. (1704) SCORE STANDINGS (FIELD SHOT SAVED) Score standings ranked by field shots saved by goalkeepers. (1705) SCORE STANDINGS (LINE SHOT SAVED) Score standings ranked by line shots saved by goalkeepers. (1706) SCORE STANDINGS (SIDE SHOT SAVED) Score standings ranked by side shots saved by goalkeepers. (1707) SCORE STANDINGS (FAST BREAK SAVED) Score standings ranked by fast breaks saved by goalkeepers. (1708) SCORE STANDINGS (BREAK THROUGH SAVED) Score standings ranked by breakthroughs saved by goalkeepers. (1709) SCORE STANDINGS (FREE THROW SAVED) Score standings ranked by free throw saved by goalkeepers. (1710) THE BEST GOALKEEPER Score standings ranked by general evaluation.

7.5.2 Pictorials

Pictorial Statistics print out is the outstanding specialty of PHMS system. (21) PICTORIAL MATCH STATISTICS

Shooting player's number, shooting spot player, landing spot of the ball, score or not, etc, shown in a pictorial form. 7-meter throw results are shown in a small goal frame separately.

The result of 1st and 2nd Halves would be printed in one paper. And the two 5 minute of the first extra time would be printed in one more paper, so as the second extra time and the win by 7-meter throw period.

7.5.3 CHN Tables

There are totally 16 CHN Tables.

(3101) TEAM MATCH OFFENSE/DEFENSE

It's a useful statistic for the matching teams' offense and defense efficiency in the

Conducted by: Longman Sportsoft

E-mail: handball@126.com

🔾 Women 🛛 💿 Men

Gender

3.3.1.8 Category

It indicates whether the tournament is for adult, junior or youth. Just select one from the window.

Category

 O Adult
 O Junior
 O Youth

Remarks:

When all the tournament data mentioned above are inputted, click to complete the new tournament, Click Cancel to abort setting up the new tournament.

3.3.2 Modify

The function of "Modify" is to change information of an existing tournament.

Click the key Modify to enter the modifying window. But the tournament code is not changeable after the tournament begins.

3.3.3 Delete

All the data of a tournament would be erased permanently when it's deleted.

Click the key Delete to delete a selected tournament. Two question windows will ask you to confirm the operation. The data would no longer be restored once the operation was confirmed.



Remarks:

When setting up data of a tournament, see that it is done within one main

computer and then export the inputted tournament data to other sub-computers. Then data of teams, referees and officials could be inputted in sub-computers in different venues. Data inputted in local sub-computers must be sent back to main computer and distribute again the composed data to each sub-computer to ensure that tournament data in different venues kept Synchronized.

This step must be done whenever data in different venues was changed.

3.3.4 Select

Click the tournament title to select a tournament and click the key afterwards to confirm the selection of the tournament. Then the title of the selected tournament will be in yellow on a red background as follows. The selected tournament will be the default tournament of the system and all the later operations will be on it automatically.

Tou	nhame	nt			
+	4	19		*	
Add	Modify	Delete	Select	Exit	
Code	1			Name	Place
100717	XVIIW	OMEN'S J	UNIOR W	ORLD CHAMPIONSHIP 2010 IN KOR	KOREA
201100	2011年	全国女子	手球冠军	杯赛	湖北宜昌
201105	IHF SU	PER GLO	BE QATA	R 2011	Al Gharafa Sports Club Hal
_		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-		

3.3.5 Exit

When operations on tournament are completed, click the key to finish and leave the window.

3.4 Teams

3.4.1 Brief

This is for inputting initial data of participating teams. Previous data of the teams are usually available for reference in the system. The team data would be kept in the historical database of the system as long as the team had ever played a match with the system. For instance, if you want to input the data of a team, you may find the team's data from the historical database if the team have played a match ever before with the system. If there's no data of a certain team available or incorrect, the data could be keyed in manually.

3.4.2 Open

Conducted by: Longman Sportsoft

E-mail: handball@126.com

Score standings are ranked in order of the scores gained by court players. The column "Rate" refers to the percentage of each sorting item in the table. The following tables are the same. (1602) SCORE STANDINGS (NON-7M PLAYER) Score standings ranked by non-7 meter throws of court players. (1603) SCORE STANDINGS (7M PLAYER) Score standings ranked by 7 meter throws of court players. (1604) SCORE STANDINGS (BY FIELD SHOT) Score standings ranked by field shots of court players. (1605) SCORE STANDINGS (BY LINE SHOT) Score standings ranked by line shots of court players. (1606) SCORE STANDINGS (BY SIDE SHOT) Score standings ranked by side shots of court players. (1607) SCORE STANDINGS (BY FAST BREAK) Score standings ranked by fast breaks of court players. (1608) SCORE STANDINGS (BY BREAK THROUGH) Score standings ranked by breakthroughs of court players. (1609) SCORE STANDINGS (BY FREE THROW) Score standings ranked by free throw. (1610) SCORE STANDINGS (BY ASSIST) Score standings ranked by assistant passes of court players. (1611) SCORE STANDINGS (BY BLOCKS) Score standings ranked by blocking shots of court players. (1612) SCORE STANDINGS (BY DEFENSE) Score standings ranked by turnovers (intercepts, steals, etc) made by court players. (1613) SCORE STANDINGS (BY ERRORS) Score standings ranked by errors (lost balls) of court players. (1614) SCORE STANDINGS (BY PUNISHMENTS) Score standings ranked by number of punishments gained by court players. (1615) THE BEST PLAYER Score standings ranked by general evaluation.

7.5.1.7 Report 17

(1701) SCORE STANDINGS (GOALKEEPER)

printing out.

P	lease fill in the	rankings			
_					Printer
	Code	Team	Bank	~	
	NOR	NORWAY	1		·
	RUS	RUSSIA	2		·
	MNE	MONTENEGRO	3		
	KOR	KOREA	4		
	HUN	HUNGARY	5		Print Type
	NED	NETHERLANDS	6		Preview
	GER	GERMANY	7		
	SWE	SWEDEN	8		O Print
	SRB	SERBIA	9		0.000
	ESP	SPAIN	10		O To PDE
	CRO	CROATIA	11		
	BRA	BRAZIL	12		
	FRA	FRANCE	13		
	ANG	ANGOLA	14		
	ARG	ARGENTINA	15		🖌 Yes 🛛 🗙 Close
	JPN	JAPAN	16		
	CHN	CHINA	17		
	MEX	MEXICO	18		Sort
	TUN	TUNISIA	19		
	THA	THAILAND	20		
	GRL	GREENLAND	21		
	AUS	AUSTRALIA	22		
	COD	DR CONGO	23		
	нка	HONGKONG	24		

Due to the accuracy and technical reason, PHMS would not make the final standing automatically. It must be done manually. Click the boxes in the column of "Rank"; fill in the final ranking of the teams. Press "Sort", the teams would be ranked in accordance with the ranking filled manually in the boxes.

7.5.1.3 Report 13

(13) MATCH PROCESS

Step by step record of the match.

7.5.1.4 Report 14

(14) INDV/TEAM MATCH STATISTICS

It's report of Individual and the team statistics for the match.

7.5.1.5 Report 15

(15) INDV/TEAM TOTAL STATISTICS (UP TO)

Individual and the team accumulated statistics for the whole tournament. If print out was done in the middle of the tournament, the accumulation will be up to that printing day.

7.5.1.6 Report 16

(1601) SCORE STANDINGS (COURT PLAYER)

Conducted by: Longman Sportsoft

E-mail: handball@126.com

Click "Teams" to enter the Teams' Interface as follows.



The interface is composed by Caption Bar, Status Bar, Information Window (left) and Data Inputting Window (right). Information of all teams, players and officials are organized in a tree structure. It could be easily browsed in the information window. Information of teams, players and officials could be input, modified in the Data Inputting Window or imported from the historical database.

Remarks:

The Teams' Interface has three statuses: add, edit and browse. When the Data Inputting Window is in the "add or edit" status, Team data in this window could be modified. But the Information Window on the left would become grey and could not be operated. The Data Inputting Window would become grey and could not be operated when the Information Window on the left is in "browse" status. The information of status could be seen on the Status Bar.

3.4.3 Team Data Inputting Window

The Team Data Inputting Window has four functions: add a new team, import team data from the historical database, modify or delete data of existing teams.

3.4.3.1 Add and Edit



Click the key dd or 🥖 Edit

to enter "add" or "edit" status. Data of teams could be added or modified here in the following windows.

When adding or modifying team data, you may first find the team you want to add or modified from the Information Window on the left. If you could not find the right team, you may import it from the historical database. You may input the team data manually only when you couldn't find the team from the places mentioned above.

IHF Official System

🚟 Select Group	×
Groups	
✓ Yes	Cancel

To do the ranking manually, click the ranking box, write the correct ranking. Click "Sort" afterwards. Then the ranking would follow the manual made one. Please do remember tick the small box "Add Preliminary Score" when printing the group result for the main round.

Press "Print" when everything is OK and come into the "Print Group" window. Select the group that you want to print. And click the box "Select All" to print out result of all groups.

Please refer the "Technical Manual" for further information of "Export Text". (1203) RESULT SUMMARY

Result of all matches of selected round.

Click "12 Result" then "1203 Result Summary" on the pull down menu of "Print" and get the following interface.



Stage and Date are selectable when printing report 1203 "Result Summary".

Result of matches of the selected stage(s) would be printed out when stage was selected.

Result of matches of the concerned date would be printed out when date was selected.

(1204) FINAL STANDINGS

It's the Final standing of the tournament. Manual confirmation is required before

Conducted by: Longman Sportsoft

E-mail: handball@126.com

	ALGERIA	
Team Information		
Full Name	ALGERIA	
Abbreviation	ALG	
Country	Algena	
Late Replacemen	t notice	
No. 🔽 F	Replace 🛛 🔽	ok
Add	Edit እ	Delete
Add	Edit Save	Delete

When you input team data, please be aware that the abbreviation of a team should usually be composed of 3 capital letters and no more than 6 in the case of a domestic or club tournament.

Remarks:

The system has kept abbreviations of all the member federations of IHF. It's strongly recommended to add or import team abbreviations from the system instead of input it manually if it's an international tournament.

Click the key Cancel to cancel the added or modified data and return to "browse" status from "add" or "edit" status.

Click the key **box** to save the added or modified data and return to "browse" status from "add" or "edit" status.

Conducted by: Longman Sportsoft

E-mail: handball@126.com

IHF Official System

The system can print out the following statistical reports in tables or pictorial format.

7.5.1 Standard Tables

There are totally 33 Standard Tables. 8 of them are regular tables. 25 are Score Standings. Numbers in the bracket are serial numbers for reports.

7.5.1.1 Report 11

(11) START LIST

Player's list of matching teams, officials and referees for the match.

7.5.1.2 Report 12xx

(1201) RESULT BULLETIN

Result of the match and scores by each player.

(1202) GROUP RESULT

Result of each group which had been setup in the tournament window.

Click "12 Result" then "1202 Group Result" on the pull down menu of "Print" to get the following interface.

0	A		ОВ			Оc			O D			O M I		(Омп			Add Preliminary
	Gro	up A		Prelimi	hary													
]	Rank	TeamCode	pts	MP	W	T	L	GF	GA	Diff	^	Team	NOR	GER	SRB	FRA	TUN	GRL
-	1	NOR	10	5	5	0	0	168	114	54		NOR		35-23	27-25	25-23	43-24	38-19
_	2	GER	7	5	3	1	1	146	122	24		GER	23-35		29-27	25-25	33-23	36-12
_	3	SRB	6	5	3	0	2	164	127	37		SBB	25-27	27-29		26-21	47-32	39-18
	4	FRA	5	5	2	1	2	145	113	32		FRA	23,25	25,25	21,26		29.25	47.12
-	5	TUN	2	5	1	0	4	142	176	-34		TUN	24 42	20 20	22.47	25.20	2020	20.24
•	6	GHL	U	5	U	U	5	85	198	-113		TON	24-43	23.33	32.41	23.23		30.24
											=	GRL	19-38	12-36	18-39	12-47	24-38	
											*							

Click to select a group for previewing the result. Carefully check and see if there's any mistake. Press "Refresh" to update the group data when necessary.

The group ranking is done in the order of Points, Goal Difference (Dff), and Plus Goals (GF). Ranking could be done manually if the situation was too complicated and the system could not manage it.

3.4.3.2 Import

kev

The function of "Import" here is to import team data from the historical database

of the system to the database of the present tournament. When click the

______, you'll see the following window.

50	Import type	X
	• From history	
	O From file	
	✓ок	X Cancel
_		

Chose "From history" and click "OK", you'll see the "Select Team" window as follows.

🚟 Select team			Confirm	X
Code ▶ 100717 XVII WOMEN'S	Name 3 JUNIOR WORLD CHAMPIONSH	Date2010-7-17	No player selected,continue?	
ANGOLA	Select all		🚟 Confirm	X
AUSTRALIA BRAZIL DR CONGO CHINA CROATIA SPAIN FRANCE GREMANY GREENLAND HONGKONG HUNGARY	11 BARBOSA Lucila 102 GJAMGERAPINO 103 BURGARDI Daniel 104 ROMERAPINO 104 ROMERO Micelal 105 FVIZO Manuela 105 FVIZO Manuela 106 STALVADO Luciona 10 RIVELI V 10 GNVELLI V 11 GAMBINO Antonell		Import team?	
JAPAN KOREA MEXICO MONTENEGRO NETHERLANDS NORWAY	13 AIMONE Florencia 14 VALENTE Sofia 15 VICO Natalia 16 FERRA Florencia 17 RABINO Maria		Team (ALICIDALIA) alkasty solvited	X
RUSSIA SERBIA SWEDEN THAILAND TUNISIA	Select all	HYSIOTHERAPIS IER) SSISTANT COA IEF OF DELEGA	Ves	

Click to select the right tournament from the upper window, the team from the lower left window. And select the players and officials you want of the selected team by ticking the small boxes next to the concerned person. Then click the key

to finish "Import".

If you clicked only the team and then the Import key without select any players or officials, there will be a question window asking to confirm the operation.

If you had selected players and now click another team, the system will remind you to finish the first action of imports as follows:

If the team you want to import from the historical database has already existed in the present database of the present tournament, a reminder will show.

If chose "From file" and click "OK", you would need to find the right file which contains the team's data in a prescribed format.

3.4.3.3 Late Replacement Notice

Make the following steps to show information of Late Replacement in Report 53. 1) Complete the Player Late Replacement operation in the Player Data Inputting Window;

2) Turn to the Team Data Inputting Window, select the team which had made the

Edit

late replacement, click the key

5 🔽 Replace 🔃 🖌 CHOI Su ji	ok
0-11-2011 5 Replaced 29 CHOI Su ii	
0-11-2011 IS Replaced 29 CHOI SU JI	

3) Select the number of the new player in the pull down pane (left) and the number of the excluded player (there would be no any number if there was no excluded player) in the pull down pane (right). The name of the excluded (replaced) player will be shown on the right side.

4) Click "OK" and the late replacement notice will be shown in the text window down there. Modify the text in the window directly if something was wrong. Click "Save" and "Close" to close the window.

5) This notice will be shown in Report 53 as follows.



3.4.4 Player Data Inputting Window

Conducted by: Longman Sportsoft

out window. You may preview or printout the report, or print it to a PDF format by just ticking the small circle "To PDF", then click "Yes".

And select how many copies you want. Click "Cancel" to leave the Interface.



7.3 Statistics

The system will automatically make statistics before printing the first report. It may take a few seconds. Please wait for its completion.

7.4 Preview

All printing interface has the function of preview. If you were not sure it's correct or not, you may preview the table or pictorial match reports that you want to print out. When no mistake is found, you can setup the printer and then click "PRINT". If you don't want to print at the time, just click "CLOSE" and exit. Or just view the report without printing it out to avoid any waste of paper.

7.5 Reports Introduction

Conducted by: Longman Sportsoft

20

E-mail: handball@126.com

57 reports are divided into 5 groups as follows:

WORL		MIDI					IHF	Ó fi	icial S	ystem
WORL	D CHA		ONSH	IIP 20	J10 IF	i ko	ĸ			
eam ma	TCH ST	ATIS	TICS							
							100	0717	098-14	1-1/2
	GROUP	Х							Bitg	ioeul
	MATCH	98					26	/07/2	2010 1	9:00
Brk. Thr.	Free Thr.	7m Thr.	Total	Rate %	ASST.	ERR.	WAR.	2'	D+DR	ТІМЕ

Serial number on upper right corner

Reports initialed with number 1 are standard reports. There are 33 standard reports, 8 of them are regular reports and 25 are Score Standings.

Report initialed with number 2 is Pictorial Statistics. There is only one this kind of report.

Reports initialed with number 3 are so called CHN Reports. There are 16 CHN Reports.

Reports initialed with number 4 are Shot Reports. There are 3 reports.

Reports initialed with number 5 are Competition Reports. There are 4 of this kind. On the upper right corner of each report, there is a serial number. Its' meaning is as follows:



7.2 Open

Click "PRINT" in the menu of the Initial Interface, you can see lot of print out selection.

Select the report you need and you'll see different print out window according to what kind of report you are printing. Following is an example of report 14 print

Conducted by: Longman Sportsoft

E-mail: handball@126.com

PHMS Pictorial Handball Match Statistics



3.4.4.1 Number of Player

Click "Players" on the Data Inputting Window to enter the Players' Interface. Player's number is composed of 2 bytes. You may enter the player's number first and change it later or just leave it blank till the beginning of the first match.

3.4.4.2 Name of Player

The name of each player is composed by two parts, Family name and first name. Family name should be put in capital letters and first name put in small letters except for the first one. Example: SMITH John. Then the system will show the abbreviation name automatically in no more than 16 letters in the Abbreviation Pane. If the family name were more than 16 letters, it would be left with only 16 and without first name. If number of letters of a full name were more than 16, it would be cut right at 16. Please modify the abbreviation name in a proper form. The full name will also be kept by the system (No more than 26 letters) and be used in report 52, 53 and 54, while the abbreviation name (16 letters) would be used in all other reports.

3.4.4.3 Position of Player

3.4.4.4 Birthday of Player

Click to select the right date.

3.4.4.5 Height of Player

The unit is centimeter, with one decimal and totally composed of 5 bytes.

3.4.4.6 Weight of Player

The unit is kilogram, with one decimal and composed of 5 bytes.

3.4.4.7 International Matches

Number of international matches played by the player.

3.4.4.8 International Goals

Number of goals got in international matches by the player. Click "Close" to return to the Teams' Interface.

3.4.5 Edit players

Click a team in the Information Window and select a player. Information of the player will show in the Data Inputting Window. Click "Edit" to modify the player's information.

3.4.6 No more than 16 players

According to IHF regulation of official tournament, no more than 16 players are allowed for a match. If players added for a team was more than 16, the system will remind you to exclude the extra player. To include or exclude a player, select

🥖 Edit

and the option "include" or

the concerned player first and then click and the option "include" or "exclude" in the following option window to keep the team within the limited of 16. The players excluded then will be blacked in the left window.



Conducted by: Longman Sportsoft

E-mail: handball@126.com

1 Africa	🔵 2 Ame	rica 🔿 3 Asia 🔷 4 E	urope 🚫 5 Oce
Continent	Code	Name(ENG)	Name(CHN)
1	ALG	Algeria	阿尔及利亚
1	ANG	Angola	安哥拉
1	BEN	Benin	贝宁
1	BOT	Botswana	博茨瓦纳
1	BUR	Burkina Faso	布基纳法索
1	BDI	Burundi	布隆迪
1	CMR	Cameroon	喀麦隆
1	CPV	Cape Verde	佛得角
1	CAF	Central African Republic	中非共和国
1	CHA	Chad	乍得
1	COM	Comoros	科摩罗
1	CGO	Congo	刚果
1	CIV	Cote d ivoire	科特迪瓦共和国
1	COD	Democratic Republic of the Congo	刚果民主共和国
1	DJI	Djibouti	吉布提
1	EGY	Egypt	埃及
1	GEQ	Equatorial Guinea	赤道几内亚
1	ERI	Eritrea	厄立特里亚
1	ETH	Ethiopia	埃塞俄比亚
1	GAB	Gabon	加蓬
1	GAM	Gambia	冈比亚
1	GHA	Ghana	加納

Remarks:

For safety purpose, NOC code could not be deleted after it's add to the data base.

6.5 Refresh Data

The data base of the system requires refresh after collecting data from venues. Just click "Refresh" to update the data base after composing lot of data from different computers. The system might not calculate correctly after collecting data without refreshment.

7. Print

7.1 Introduction

Large print out capacity is one of the PHMS system's advantages and characteristics. PHMS can print out 57 sorts of match reports either in table or pictorial form. These reports can meet the requirement of handball tournament at all levels, professional or amateur, a single match or a high level championship, in any respects to the greatest extent.

Task frequently done with this function is to collect all the match data from different venue at the end of the day and then send the file with composed data back to each venue for printing out tournament based reports

6.3 Connect

This is a special function for a network with two computers working together. The task of Computer 1 is doing the scouting work on the spot; while Computer 2 is responsible for printing out. Please refer to the "Technical Manual" of PHMS for details of how to connect the two computers.



Computer 1 will select "Local Data" and Computer 2 "Remote Data". It would be the same to choose "Local Data" or "Remote Data" when a computer is working alone.

Caution:

Computer 1 selecting "Local Data" is the main computer for scouting and it will frequently read and write the database of the ongoing match. Computer 2 selecting "Remote Data" is mainly responsible for printing out only. It may setup a new match and print out the Match Report (Report 52) for the coaches' examination before the next match. NEVER try to modify any data of the ongoing match from Computer 2 and it would cause great problem.

6.4 NOC Code

The three digit Codes of National Olympic Committee is approved by IOC and preset in the system. The code will be used in international tournament. A code could be add to the system when it could not find in the data base (usually for a new found country). It's not recommended to add codes of club teams into the data base.

To add a NOC code, click "NOC Code" in the "Data Service" pull down menu and the following window will appear. Click "Add" to add a new NOC code.

3.4.7 Player Late Replacement

According to IHF regulation, it's defined as "Player Late Replacement" when one of the 16 players was replaced by a new player. In this case, one of the 16 included player must be excluded first and then include the new player. Operation of Player Late Replacement is as the same as excluding an extra player. This information could be shown in Report 53 as Late Replacement Notice. Refer to 3.4.3.3 Late Replacement Notice for detail.

3.4.8 Team Officials

Click "Officials" to enter the Official Interface as follows, add, edit and delete

team officials' data here. Click to input officials' family Name, first

name, full name and function. Click **International Series** to save the data. Click "Close" to leave the interface.

Official information		
Family Name		
First Name		
Full Name		
Function		
Letter		
Add	Edit	Delete
Save	Cancel	Close

3.5 Referees

3.5.1 Open

Click "Referees" to enter the Referees' Interface as follows.



3.5.2 Functions

Referees' Interface has the following Functions: add a new referee, import referee's data from the historical database, modify or delete data of existing

referees. Click the key to import referee's data from the historical database of the system. Following is the Referee's Importing Window.

History	1			Tournam	ient
Country	Name	10		Country	Name
ALG	BENMILA A.	1		ARG	LENCI Sebastian
ALG	BESSES N.	-		ARG	LOPEZ GRILLO Julian
ARG	ADJEMIAN Teodoro			BRN	AL MAWLANI Mohsin
ARG	ALONSO Luis A.			BRN	AL MIZIL Ghassan
ARG	GOTZ Marcelo			CHN	LI Gang
ARG	TCHARA P. M.		Troom Y	CHN	WANG Ke
AUS	ADAMS Neil		(Contraction of the local data in the local dat	CIV	COULIBALY Yalatima
AUS	TOMASZEWSKI M.			CIV	DIABATE Mamoudou
BEL	ROSSKAMP		Remove	COD	MUYA KUPA Achille
BEL	ROTHKRANZ			COD	SANGWANI MOBATI Sadu
BEN	DOSSO YOVA Irene		✔ Close	DEN	CHRISTIANSEN Karina
BEN	WADOCHEDO Didier			DEN	LYTHJE Marlene
BRA	DITTRICH M. A.			EGY	ELSAYED Tamer
BRA	MARCELO Scharf			EGY	ZIDAN Fathy
BRA	RIGHETO Carla			HUN	HERCZEG Peter
BRA	SCHARF Marcelo			HUN	SUDI Peter
BRA	SILVA Silvana M.			KOR	KIM KI Sung
CHN	BAI Xiurong			KOR	KIM Yong Koo
CHN	CHEN Shaobo			MKD	NACHEVSKI Gjorgji
CHN	FU Quan			MKD	NIKOLOV Slave
CHN	GAO Bin			QAT	AL SUWADI Mansour

The left window shows all the referees existing in the historical database. Referees in the right window are for the default tournament. It's easy to import a

24

- X

pull-down menu.

6.2.1.2 Between PHMS PCs

To exchange data between PHMS PCs, select DATA SERVICE > EXPORT in the pull-down menu, and choose from Tournament, Match, Team or Referee, which you wish to export. You also have to choose Tournament Code, Match Number, and Team Name, etc according to the type of data to be exported, and designate the object driver and the filename.

When export data of teams,

you may select all the teams in



Export teams

the left window or just select the teams you want to export.

The selected data will be exported to the designated destination as a file from the source computer, and then the file with the exported data may be imported to the computer executing final statistics.

Export Team

6.2.2 Data Import

Click "Data Service" in the menu of the Initial Interface and select "Data Import" in the pull-down menu to enter Data Service Interface.

Then choose the data you wish to import. Input the filename of the imported data, and the selected data will be imported to the target computer.

PHMS				
Data Service	Tournan	nent	Match	Print
Export	•			
Import	•		Tournan	nent
Connect	•		Match	
NOC Cod	е		Team	
Refresh			Referee	
	a r		IHF Offi	cial

Conducted by: Longman Sportsoft

E-mail: handball@126.com

time table when they go separately. Neither do the team time out. This "Match" function provides a chance to modify the time of team time out.

5.21.4 Time Played

"Time Played" of the Modification function is to modify the time a player played on court.

Most of the time, the system could calculate the time played by each player during a match. But some times there might be mistakes when the operator made something wrong. Then the "Time Played" function would provide a chance of modification to these mistakes.

Down there at the bottom of the window, there is time played of goalkeepers. It's different between goalkeeper and player. There is only one goalkeeper any time on court. So the accumulated time of goalkeepers is always the same as the time of the whole match.

6. Data Service

6.1 Introduction

When the matches are played at different places, or recorded by different computers in one arena, match data are respectively stored in different computers. In order to analyze the data efficiently of the whole tournament, all the data should be round up in one computer. To do this, you can use the function of Data Service in the system, which can not only convert all the data into the central computer but also backup the data to ensure safety. However, if what you want to print is the data of only one single match, you don't need to activate this function. With Data Service, you may exchange data between computers in different venues, share data between two computers within one network, setting up logo for the default tournament, refresh the whole data base, etc.

6.2 Data Transit

6.2.1 Data Export

6.2.1.1 Open

To enter DATA SERVICE Interface, Click "Data Service" in the menu of the Initial Interface and select "Data Export" in the

Conducted by: Longman Sportsoft

E-mail:	handball	@126.com
---------	----------	----------

Data Service Tournament Match Print

Tournament

Match

Team

Referee

IHF Official

٠

•

۲

PHMS

Export

Import

Connect

Refresh

NOC Code

referee from the left window or remove one from the right. If you tried to import an existing referee, an Error Window will remind you.

🞲 Error	
8	Referee[BENMILA A.] already existed!
-	<u>✓ Y</u> es

When selected a referee and click



window	will	ask	for	vour	confirmation
wmuow	VV 111	ask	101	your	communation.

PHMS Pictorial Handball Match Statistics

😗 Confirm	Ŀ
2	Delete referee[SILVA Silvana M.]?
	Ves 🔊 No

Remove

3.6 IHF Officials

Click "IHF Officials" to enter the IHF Officials' Interface as follows.

Tournament Match Print C Setup Teams Referees IHF Officials Grouping Tournament Logo

The IHF Officials' Interface has the same Functions as the Referee's Interface. Please refer to Referees' Interface for details.

Remarks:

When entering data of team, referees, IHF officials of a tournament, see that it is better done within one main computer and then export the inputted data to other sub-computers in different venues. If modifications to the team data are done in a sub-computer, the data must first be exported and sent to the main computer, then sent the composed data back to each sub-computer again, so as to ensure the uniform of the initial data of a tournament.

3.7 Grouping

3.7.1 Open

Grouping is one of the most important works of setting up a tournament which is

played in groups. Grouping information is the essential parameter for printing group results (table 1202). Click "Grouping" in the tournament menu to enter the Grouping Interface as follows.

Tournament	Match	Print	C			
Setup						
Teams	Teams					
Referees						
IHF Officials						
Grouping						
Tournam	ient Logo)				

3.7.2 Setting Groups

There are two steps, "Setting Groups" and "Grouping", to setup the group information. "Setting Groups" means input the name of groups according to the competition schedule. "Grouping" means to locate the participating teams into each group. "Setting Groups" must be done before "Grouping".

Grouping						🚟 Set Groups	
Groups		<u></u>	-	0	Cremen	A B C	
OA OB	00	OD	0 M I	0 M II	Groups	D MI	
Teams	24		Se	lected A	6	мп	
ANG ARG AUS BRA CHN COD CRO CRO ESP FRA GER GRL HKG HUN		> ~	NC FF GE TU SF GF	DR ER ER RB RL		Confirm Set Grou	Cancel ps Panel
JPN KOR MEX MNE NED NOR	~			Close			
	Grou	ping Int	erface				

To set up groups, click Groups on the upper right corner of the Grouping Interface to enter the "Set Groups" panel and enter the group names by write them inside the Set Groups panel or delete a group by directly erase it in the panel.

Then Click **Confirm** to return to the Grouping Interface.

The set groups will then show in the "Groups" window on top of the grouping

Conducted by: Longman Sportsoft

E-mail: handball@126.com

qualification will go the same way as that changing the wrong player number of goals. To add Warning and 2 minutes could be done in this interface. But it must be done in the Match Recording Interface to add a new goal or delete a goal, a warning, a 2 minutes and a disqualification.

5.21.3 Match Records

Nodification	Modification	
ividual Match Time Played	Individual Match Time Play	ed
	ARG JPN	
pectators	No. Name	Time Played
	1 BARBOSA Lucila	00:15:59
Spectators 50 Confirm	2 GIAMBERARDINO L	00:42:01
	3 BURGARDT Daniela	00:09:09
	4 ROMERO Micaela	00:00:00
lime Out	5 PIZZO Manuela	00:44:06
	6 SALVADO Luciana	00:56:36
eam A 28:24	7 ABADIE Daiana	00:14:31
Confirm	8 TRENZIANI V	00:00:00
	9 MENDOZA Luciana	01:05:44
	10 CRIVELLI V	00:52:05
Remark of Referees	11 GAMBINO Antonell	01:02:38
	13 AIMONE Florencia	00:00:00
	14 VALENTE Sofia	00:06:31
	15 VICO Natalia	00:30:41
	16 FERRA Florencia	00:51:41
	17 RABINO Maria	00:00:00
Confirm		[
Latch Records Modification Window		Change Played Time
	Team A Played Time :	Team B Played Time :
	07:31:42	07:31:42
	Goalie Played No:1 [00:15:59] No:16 [00:51:41]	Goalie Played No:1 [00:04:15] No:12 [01:02:45] No:16 [00:00:10]

Time Played Modification Window

"Match" of the Modification function is to add or modify Match records such as: number of spectators, time of team time out, Remark of referees, etc. The following work could be done in this window:

To add number of spectators in the "Spectators" box and click the key "Confirm" for confirmation. To fill in the correct time of the team time outs in the relevant box and click the key "Confirm" afterwards. To help the referees to drop down a few words in the box of "Remark of Referees" and click "Confirm" thereafter.

It's normal that the timing in PHMS could not be exactly the same as that at the

5.21 Match Report Modification (F10)

5.21.1 Open

The system has another strong function of quick modifying data in the match report at the end of the match.

At the end of the match, PHMS should print out the match report (Report 52) to compare with the report made by scorekeeper. To make use of this function, PHMS should stay in the Match Record Interface and click the key "Print", then select "Modification". There are three windows in this interface: Individual, Match and Time played.

5.21.2 Individual Records

"Individual" of the Modification function is to modify individual records such as: Goals, Warnings, 2 minutes and disqualifications, etc.

To modify an existed wrong goal, click the player number with the wrong goal, all the goals scored by the concerned player will display in the details window.

The graphic of the goal will show in the Match Recording Interface in white when the concerned record number is clicked. Then fill in the correct player number and click "Change No." to confirm the modification. Modifying the wrong recorded Warning, 2 minutes and



	Modification	(F10)
	Print Manager	
Durint	Madification	Winda

Print - Modification Window

	_		_	_				
dividua	al Match	Time	Playe	d				
ARG	JPN							
No.	Nar	ne	G.	W.	2'	D	DR	~
1	BARBO	SA Luc	0	0	0	0	0	
2	GIAMBE	RARD	0	0	1	0	0	
3	BURGA	RDT D	0	1	0	0	0	
4	ROMEF	O Mica	0	0	0	0	0	
5	PIZZO I	/lanuel	2	1	1	0	0	
6	SALVAD	0 Luc	3	0	0	0	0	
7	ABADIE	Daian	1	0	0	0	0	
8	TRENZ	ANI V	0	0	0	0	0	=
9	MENDO	IZA Lu	9	1	0	0	0	
10	CRIVEL	LIV	9	0	1	0	0	
11	GAMBIN	10 Anti	2	0	0	0	0	
13	AIMONE	E Florer	0	0	0	0	0	_
14	VALEN:	FE Sofi	0	0	0	0	0	
15	VICO N	atalia	2	0	1	0	0	
16	FERRA	Florend	0	0	0	0	0	~
Detail	5							
No	Half	Record	d Tim	ie	Acti	on Re	esult	^
1	0 1	25	3 24:	56	A06	R	01	
1	0 2	2	2 01:	06	A07	B	01	
1	02	14	9 17:	10	A06	B	01	
▶ 1	02	25	3 28:	40	A07	B	01	v
< 1							>	
	Cha	nge No.		Add	w.		Add 2	:

Individual Records Modification Window



Goal shown in white

E-mail: handball@126.com

interface and can be found in the Group Box when setting up a match.

3.7.3 Grouping

To locate teams into different groups, click first the concerned group on top of the grouping interface and then select teams from the left window into the right window. Then the next group till all teams is located to groups.

Remarks:

Grouping must be done after setting up a tournament and all team names are inputted.

3.8 Tournament Logo

3.8.1 Functions

This function is to preset the tournament logo for all the reports printed by the system. The preset logo will be displayed on the upper right corner of all reports as follows.



3.8.2 Open

Click "Tournament Logo" to enter the Tournament Logo Interface as follows.

	Lago 🔀
Tournament Match Print C	XVII WOMEN'S JUNIOR WORLD CHAMPIONSHIP 2018 IN KOR
Setup	
Teams	
Referees	
IHF Officials	Size:271X130pix 0MP Format
Grouping	
Tournament Logo	

Click "Import" Import to import a logo from a BMP file. Size of the logo file should be no more than 271X130pix. Click "Save" and then "Exit" to complete the logo presetting.

4. Match

4.1 Brief

The function of Match is to set up a new match, delete an old one, modify information of an existing match, or correct wrong match parameter. Initial information of a match like Match Number, Match Time, Playing Hall, Team and Team's line up, Match Stage, Technical Officials, Referees and Table Officials of the match and so on, would be selected in this window.

To perform the main function of the system, to start RECORD, is also via this menu.

4.2 Open

To enter the Match Interface, click the initial menu "Match", you'll see the 2 submenus: Setup and Correction as follows:

Match	Print	Config			
Setup					
Correction					

4.3 Match Setup

To setup a new match, click "Setup" to enter the following interface. Initial data of match will be input in this window.

latch Details		
Match No. 📃 💌	Stage	T Start
Match Time	Group	-
Playing Hall	Round	
eams	Referees	Save
A Pla	yers 1st	
B Pla	vers 2nd	Delete
fficials	Number Of	Spectators
Organizer		Cancel
Techn. Delegate	Remarks O	f Referee
Techn. Delegate		Close
IHF Official		
able Offical		
Timekeeper	- Statisticia	n1 💌
Scorekeeper	- Statisticia	n2 🔍

E-mail: handball@126.com

use Afterward Modification.

5.20.2 Afterward Modification

5.20.2.1 Delete

The system has the function of modifying data after several other events have been recorded.

On the record interface, there is a bar of record number located between the sideline and substitution benches. When a new record is inputted, a number will be added in the bar.

When an error is found in on-the-spot record and instant modification is difficult, you can take down the number of the mistaken record, so that it is easy to trace the record afterwards.

To modify a record, you must find the number of the record in the bar and click the number with the mouse left button. The number will then shift to the middle of the bar and the record will be displayed in the information window.

You can delete the selected record and then insert the modified one. The key "Delete" and "Insert" are located at the bottom of the interface.

5.20.2.2 Insert

To insert a record, you can input the record as usual, which is numbered the last. Then find out the right position where you want to insert the new record, and click the record number to move it to the middle, and then click "INSERT". For example, to insert a new record between record No. 50 and No. 51, what you should do is: input the record as usual > click and select No. 51 > click INSERT, The former record No. 51 will become No. 52, and the new record is inserted as number 51.

Enter data as usual	Find inser	l the i t pos	right itions	Click insert
47 48 4	9 50	51	52	53
0	<u>~</u>	80	2	0
FRA		×		GER
How to insert				

any parameters of the Match Interface.

There will be two choices before the system really shot down: "Suspend match" and "End match". The difference is that "End match" will send an ending message to Internet system and "Suspend match" will not.

5.20 Record Modification

5.20.1 Immediate Modification

When you find errors in recording and need to modify, the system can help you with its data modifying function, which is easy to master and simple to use.

In shots record, when you find mistakes in recording shooting spot, number of player or shooting technique, you can re-enter the data before recording landing spot of the



Re-entered data cover previous data.

ball. The data re-entered will cover the previous data.

Remarks:

"DELETE"

There are 4 steps in recording special shots while only 3 in regular shots, therefore, you can easily change the record from "Regular Shot" to "Special Shot" (3 steps can be replaced by 4), but you can not do it the other way round (4 steps cannot be replaced by 3). If you want to change special shot to regular shot, you should use the Delete Function.

If you find mistakes after recording the landing spot of the ball, you just click



in the middle of

the information bar in the lower part of the program window, and re-enter.

When recording other events, only the player's number can be modified by re-entering, other contents should be modified by clicking DELETE and re-entering. If mistakes are found later when several

events have already been recorded, you can

		53	52	51	50	49	8
	~	8 0	~		0		

The upper row is the record bar



4.3.1 Initial Data

The Initial data of a match, such as time, teams, round, referees, officials etc, must be correctly setup by the operator before each match. The data will be frequently used during on-the-spot record. The initial data of a match could be inputted only after the tournament setup is completed.

If operator attempts to start on-the-spot record before match setup is finished, the system will give a message to remind him to complete the match initial data.

When the initial setup is completed, click "SAVE" to store the Initial Data inputted, or click "START" to save the Initial Data and directly enter the Record Interface.

4.3.2 Match Details

According to the match program, input match details such as match number, match time, match playing hall, stage, group, round, etc. Match number is a very important parameter that must be checked carefully with the program. Stages could be selected from the pull-down menu. Group could also be selected from the pull-down menu in the Group Box. Groups shown in the menu were those had been set up during the tournament setting up procedure with one exception. On the first row of the Group Box, there is always an option of "x". Please select "x" when the match is not belong to any groups such as the final, semi-final and placement matches.

match Details			
Match No.	1	Stage	*
Match Time	** 3	Group	-
Playing Hall	8		~

4.3.3 Teams

Press key A to select team A for the match, and B to select team B.

eams	
A	Players
в	Players

4.3.4 Players

🚟 Select players and officials of team A for the Match 🛛 🔀					
Players	16	Selected 0			
01 BONCHE Sonia 02 DE LA BRETECHE S 04 RINGAYEN Martine 05 NZE MINKO E 09 KAMDOP Laura 10 CISSE Koumba 11 LE BIHAN Manon 13 BULLEUX Chloe 14 PRUDHOMME Marie 15 GELEBART Laura I 16 LEYTHIENNE P 17 BLARD Celine 18 NIOMBLA G 19 MANACH Elodie 20 MANGA Christelle		>><			
Officials		Selected			
C-DE LA FUENTE O D-PLESIS Jean yves F-RESSORT Marion A-GOUGEON Daniel E-GERGOIRE Vincent		< <<			
FRANCE		Yes Xcancel			

After selecting a team name, just click "PLAYERS" Players to open the Player Selecting Panel. The system will show all the players of the selected team. You can select players with the mouse pointer. According to the regulations, no more than 16 players are to be selected for each team in an official match. This limit is not for informal matches, though. On the selection panel, the icon ">" means selecting one or more players, while ">>" indicates selecting all the players; "<" means deselecting one or more players, and "<<" indicates deselecting all the players. Number of players selected will show on the upper right box above the "Selected" window.

4.3.5 Team Officials

According to IHF regulation, 4 officials will be allowed for each team in an official match. It's recommended to selected official A first and then official B, etc. Official A will be the responsible one of the team. The letter A, B, C, D, E, and F of officials had been set up during the teams set up.



Conducted by: Longman Sportsoft

E-mail: handball@126.com

Remarks:

When changing ends in the middle of the first Extra Time, remember NOT to click the key "CHANGE ENDS", but to click "CHANGE HALVES". It is the same with the second Extra Time.

5.16 Win by 7M

You can record "win by 7M" the same way as in Extra Time 2. Shots of either team should be recorded in respective goal frames instead of in the same goal. This is the only difference between the system and the practical situation on court.

5.17 Interruption of Playing Time

On the Match Interface, there is a function key "SAVE" located on the upper left of the screen. If the match is interrupted by any special or irresistible circumstance, you can click "SAVE" and temporarily stop recording the match. The system saves all the interface parameters before interruption for access again when the match is resumed.



5.18 Resume of the Match

If the match is interrupted by special or irresistible circumstance and has to stop temporarily. Click "SAVE" and the system will automatically save all the Interface data. When the match is resumed, after accessing the Record Interface, you must reset the clock according the time when the match interrupted. And all other status of the match will remain the same as it was when the key "SAVE" was last clicked.

5.19 End of the Match

When the match ends, you should check to see whether all the data inputted are complete and accurate, whether there are any modifications to make. After that, you can click "EXIT", and the system would leave the match without holding

End Type	
 Suspend Match 	
O End Match	
O End Match	

Two choices before system shot down

Conducted by: Longman Sportsoft

E-mail: handball@126.com

Since portable computers have the function of "Auto-Screen-Save", you may leave the computer without exit or turning off it when record is suspended at half time break. But the cover should be closed so as to prevent the LCD screen from accidental damage in case. Just put up the screen when resuming your work.

5.13 The Second Half

When the match resumes at the second half, directly access the Recording Interface. Then click "CHANGE HALVES" in the upper left of the window, the status bar on the top of the screen

Halves Change Ends

Difference between Change Halves & Ends

will then shift from "1st Half" to "2nd Half". Record the 2nd half of the match the same way as the 1st half. Press the same key "CHANGE HALVES" when going into extra time.

Caution:

Please pay close attention to the difference between "Change Halves" and "Change Ends" carefully, as the function of these two keys is quite different and might cause serious result if a wrong key was clicked.

5.14 Change Ends

When the match shifts from the 1st to 2nd half, the system will change the ends of both teams automatically. During the extra time, the system will also change the ends of both teams between the two 5 minutes automatically.

Since the ends are chosen by a draw before each extra time, the ends may or may not be changed. On this occasion, you have to refer to the function of changing ends in the system.

You can change ends by clicking with the mouse "CHANGE ENDS" in the upper left of the Recording Interface.

5.15 Extra Time

Record of extra time is started the same way as in the 2nd half. Click "CHANGE HALVES" in the upper left of the window and the status bar "2nd Half" at the top of the screen will shift to "Extra 1-1". You just record the game the same way as in the 1st and 2nd halves; the system can automatically separate data in extra time from those in the either half.

Conducted by: Longman Sportsoft

If you couldn't find the official, you must go back to Tournament and Team Setup window to enter the missing official.

4.3.6 Referees

Select the names of the 1st and 2nd referee according to the arrangement by the Technical Committee of the tournament. If you couldn't find the right referee, you may enter the name manually by click the key "Add".

Country	Name		Referee Information
ARG	ADJEMIAN Teodoro		
ARG	GOTZ Marcelo		
AUS	ADAMS Neil	11	Full Name DJEMIAN Teodoro 20 By
AUS	TOMASZEWSKI M.		
BEN	DOSSO YOVA Irene		Country Argentina
BEN	WADOCHEDO Didier		
BRA	RIGHETO Carla		
BRA	SILVA Silvana M.		Add Add Contraction Contractio
CHN	CHEN Shaobo		
CHN	GAO Bin		Save Cancel
CHN	JIANG Ronggen		
CHN	LI Changhai		
CHN	LI Zhiwen		Select Referee
CHN	LIU Fengjuan		
CHN	LIU Shuyong		
CHN	LU Miaochun		Var No
CHN	MAI Yuehui		
CHN	MEN Dongshan		
CHN	NIE Jinsona	~	

Remarks:

1) When match setup is completed and the key "Save" is pressed, no modification



to modify the data. 2) If

you try to deselect a player or an official after the match has started and the player or official has already had match record, the system will stop you and give you an error message. 3) The match records of the concerned player or official must be deleted before deselecting them.



4.3.7 Technical Officials

Select the names of the technical officials from the preset list and locate them into the position arranged by the Technical Committee of the tournament.

Organizer	
H.F. Official	
Fechn. Delegate	
Techn. Delegate	

4.3.8 Table Officials

Names of table officials like local timekeeper, scorekeeper, and statisticians have to be input manually for their first match. Then the names could be selected in the pull down pane from the second day on.

Table Offical		j
Timekeeper	Statistician1	w
Scorekeeper	Statistician2	<u>*</u>

4.4 Correction

This function is for correction of wrong match parameters like Match Number and Match Half Time only. All the other match data should be modified in Setup window.

Click "Correction" in the Match Menu to enter the following interface.

Correction	>
Change Match No	Change Half Time
	Match No :
Wrong Match No :	Wrong HalfTime :
Right Match No :	Right HalfTime :
Change	Change

4.4.1 Change Match Number

Match number is a very important parameter of the concerned match. It must be checked carefully with the competition program when inputting the Match Number.

The function of Change Match Number is for changing a wrong set up match

number. A wrong match number can be changed by clicking the key after filling in the wrong match number in the first pane and the right number in the second pane.

Conducted by: Longman Sportsoft

E-mail: handball@126.com

5.10.1 Team Time out

When recording team timeout, first select the name of the team asking for timeout, and then click the key "TIME OUT". The timing clock stops when the icon over the key turns red from blue. When clicking "TIME OUT" again, the icon turns blue from red, and the timing clock starts again. (The actual time for timeout will be recorded automatically.)

0	
FRA	

Record Timeout

5.10.2 Referee's Time out

When recording referee's timeout, click the key "TIME OUT" only; the clock will stop and the system will record the Referee's Timeout.

5.11 Separate Recording of Events in Fast Breaks

For the purpose of match statistics, apart from shots, all events happening in fast breaks, are recorded separately with those in Position Play. Events happening on court are classified into 9 types: 7M caused and 7M, offensive errors (7 sub-types) under two categories of Fast Break and Position Play.



Recording Events in Fast Breaks

Events in fast break should be recorded separately from position play, and respectively according to its types.

Events in fast breaks (except shots) are recorded in this way: After inputting the number of the player, hold down the key "Ctrl" and choose the concerned type of action in the main keyboard with the mouse. The system will add the words "Fast Break" in recording.

5.12 Half Time Break

At half time break, click "EXIT" in the top menu of the Match Interface and select "Suspend Match" to exit the recording interface.

Moving, Switch, Others. Refer the following table for concepts of defensive techniques.

All defensive techniques should be recorded only after each shooting or shooting attempt from the offensive side.

5.8.2 Defense Succeeded

It's a succeeded defense when an offensive chance is destroyed or obviously interfered by the defender with proper defensive technique whatever the defending team got possession of the ball or not.

Click the number of the succeeded defender first and then click "DEFENSIVE TECHNIQUES" with the left mouse button to record a succeeded good defense.

5.8.3 Defense Failed

It's a failed defense when the offensive team launched a shot or shooting attempt successfully 'cause the defender's incorrect defensive action whatever the offensive team got a goal or not.

Click the number of the failed defender first and then click "DEFENSIVE TECHNIQUES" with the right mouse button to record a failed defense.

If you click "DEFENSIVE TECHNIQUES" without player number first, the system will give a message "Please input the player's number".

5.9 Record Punishments

There are 4 types of punishments. When recording punishment to a player, you just input the number of the player and the type of punishment. When recording punishment to an official, you should input the letter A, B, C or D of the team official and the type of punishment.

The order of recording punishment to a player: number of the player > type of punishment. The order of recording punishment to an official: letter of the team official > type of punishment.



Recording of Punishment

5.10 Record Timeout

4.4.2 Change Half Time

Record on the spot sometimes would be made in a wrong half time of a match due to the high press in the hall. A wrong match half time can be changed by

clicking the key change after filling in the concerned match number, the wrong half time, and the right half time. For example, if the Record of the first half was done within the interface of the second half, it must be changed from

second half to the first half by clicking the key change after filling in the wrong half (second half) in the first pane and the right half (first half) in the second pane.

5. Record

5.1 Introduction

5.1.1 How to Access Record

On-the-spot record, which is based on the initial input of tournament and match information, is the major task of this classification system. To access to the Record Interface, you must enter the Match Interface; check all the initial data to ensure its right. Then presses the key "Start", the system will ask "Connect to TV broadcaster?" before the Record Interface appear. Press "Yes" if there is a TV Server for live TV broadcast or "No" if there is not (the TV broadcast system is now under renovation. It needs to work with the TV graphics system to perform the function). The system will then turn to the Record Interface immediately. The Record Interface will show the new match you have just finished setting up.



IHF Official System



Remarks:

Whether you press "Yes" or "No" while the system is asking "Connect to TV broadcaster?" the Record Interface will work correctly.

5.1.2 Hint

5.1.2.1 Text

An icon marks every function key in the Record Interface. A tool tip is set in the icon. The tool tip will appear when the mouse pointer is positioned over the icon



as follows. If you click the key <u>Hint</u> in the menu bar on top of the screen and select "Text", the tip bar will not appear anymore. Click "Text" once more to see the tip again.

AMM AG	Enter The Goal Area	Hint Save
e ve		✓ Text
) (✓ Sound

5.1.2.2 Sound

To help operators avoid mistakes, the system provides different sound notes for

Conducted by: Longman Sportsoft

E-mail: handball@126.com

It refers to errors or lost ball other than those mentioned above. Recording order: number of the player > OTHER ERRORS. When "OTHER ERRORS" is clicked, the system will give a message "Input opponent's number". You are supposed to input the number of the defender who causes the offensive error or ignore it by clicking the message bar.



5.7 Record Defense Formation

The purpose of recording defense formation is to count up the percentage of the time when a team uses different types of defense formation.

When recording defense formation, you just click the key "DEFENSE FORMATION", and the menu of defense formation will be prompted. Choose: name of the defending team > type of defense formation.

5.8 Record Defensive Techniques

5.8.1 Brief

Defensive techniques are recorded and added up according to individual players.

The key "DEFENSIVE TECHNIQUES" is located in the lower middle part of the match interface between the substitution benches of both teams.



Defensive Techniques

		Defensive Tech	Concept
	1	Position	The location where the player occupies in defending.
2 Obstruct Move into the key position and block the p on time.		Obstruct	Move into the key position and block the path of the attacker on time.
	3	Observe	The player is keeping the whole situation on the playing court under observation.
	4	Moving	The defending player is moving from one place to the other at the key moment.
	5	Switch	Two Man to Man defenders exchange their defending opponents when the attackers making a cross cooperation.
1	6	Others	All other actions of defense which is not mentioned above.

Defensive techniques are classified into 6 types as: Position, Obstruct, Observe,

the opponent. Recording order: number of the player entering the goal area > ENTERING THE GOAL AREA.

5.6.4 Bad Pass

Bad pass is recorded in the following order: number of the passing player > BAD PASS > number of the opponent. When "BAD PASS" is clicked, the system will give a message "Input opponent's number". You are supposed input the number of the player who intercepts the ball. Or you may ignore it by clicking the message bar.



5.6.5 Bad Receive

Recording order: number of the

receiving player > BAD RECEIVE > number of the opponent. When "BAD RECEIVE" is clicked, the system will give a message "Input opponent's number". You are supposed to input the number of the player who intercepts the ball.

5.6.6 Dribbling Error

Recording order: number of the dribbling player > DRIBBLING ERROR > number of the opponent. When "DRIBBLING ERROR" is clicked, the system will give a message "Input opponent's number". You are supposed to input the number of the player who successfully defends and causes the offensive player to make error.

5.6.7 Offensive Foul

Offensive foul often occurs in the form of jumping, running into or faulty screening the opponent. You can record offensive foul in the following order: number of the attacker > OFFENSIVE FOUL > number of the opponent. When "OFFENSIVE FOUL" is clicked, the system will give a message "Input opponent's number". You are supposed to input the number of the defending player who causes the offensive foul.

5.6.8 Other Errors

Conducted by: Longman Sportsoft

E-mail: handball@126.com

different function keys, record areas and actions. When the operator clicks a correct function key, a nice sound note will help him ensure it. If the operator clicks a wrong key or area, a different sound note will help him find his mistake and correct it immediately. If you needn't any sound note, just click the key "Hint" and select "Sound" to cancel it. Click again to recover it.

5.1.3 Configuration

This is a very useful function when taking shot records during the match. The default configuration of the system is to show all the shot records on the Record Interface. The Record Interface may show only one kind of shot records, or a few sorts of shot records according to the configuration. To modify the configuration,

click the key to enter the Configuration Panel as follows, select the shot you want to show and tick it at the small box.



1) The last: the last shot record taken, whatever sort it would be.

- 2) Wing: the wing shots record will show.
- 3) Field: the field shots record will show.
- 4) Breakthrough: the breakthrough shots record will show.
- 5) Free throw: the free throw shots record will show.
- 6) Line: the line shots record will show.
- 7) Fast break: the fast break shots record will show.
- 8) 7M: the 7M shots record will show.
- 9) All: all the shots record will show.

5.2 General Operation

5.2.1 Essential Knowledge

Events to be recorded on the playing court are put into two categories: Shots and other events.

There are two different kinds of shots:

a) Regular Shots (or normal shots): This kind of shots will be classified by the system automatically such as Wing Shot, Line Shot, Field Shot and 7M shot, etc. For these shots, you must pay close attention to the spot where the player jumps when shooting (Shooting Spot of player) and the spot where the ball landed (Landing Spot of the Ball).

b) Special Shots: This kind of shots would be classified manually by click the relevant Shot Key.

Apart from shots, there are other 29 events of 8 categories should be recorded. Among them, 8 offensive events should be recorded together with succeeded defensive actions. 9 offensive events should be recorded and divided into position play or fast break. Please refer the following table for details:

	Categories	Events	D	F
1	Shots Record	Regular Shots		
		Fast Breaks		
		Breakthrough		
		Free Throws		
		7M		
		Shots Blocked	Y	Y
2	offensive Actions	7M caused	Y	Y
		Assists		
3	Offensive Errors	Steps	Y	Y
		Entering the Goal Area		Y
		Bad Pass	Y	Y
		Bad Receive	Y	Y
		Dribbling Error	Y	Y
		Offensive Foul	Y	Y
		Other Errors	Y	Y
4	Defensive Action Succeeded	Eight (8) Recorded with offense		
5	Defense Formation	Six (6) types		
6	Defensive Techniques	Six (6) types		
7	Punishments	Four (4) types		
8	Timeout	Team Timeout		
		Referee's Timeout		
9	Events in Fast Breaks	Nine (9) offensive Events		

• D = To be recorded with Defensive actions.

Conducted by: Longman Sportsoft

E-mail: handball@126.com

	Offensive Errors	Concept
1	Steps	Walking more than three steps with ball
2	Entering the goal area	Step into the goal area and gain advantage
3	Bad Pass	A pass that is impossible to be caught
4	Bad Receive	A pass not received cause of the receiver's mistake
5	Dribble	Bounce and then catch the ball for more than once
6	Offensive foul	Run into, jump into and screening the opponent
7	Other Errors	Other offensive errors lead to lose the ball



Main Keyboard

When recording offensive errors, you must follow this order: number of the erring player > error type > number of the opponent. When "ERROR TYPE" is clicked before the offensive player's number, the system will give a message "Input the player's number"; you should input the number of the offensive player before clicking "ERROR TYPE". When recording of the error type is completed, the system will give a message "Input opponent's number", which refers to the player who successfully defends and causes the offensive player to make error. You may ignore it by clicking the message bar.

Remarks:

Please note that all the recordings should start with the offensive side (i.e., you should first record the offensive events, then the defending ones).

5.6.2 Steps

Too Many Steps (more than 3 steps) is a kind of infringement of rules. You can record this kind of infringement in the following order: erring player's number > STEPS.

5.6.3 Entering the Goal Area

Which means the attacking player gains advantage by entering the goal area of

5.5 Record Other offensive Actions

5.5.1 7M caused

This refers to the award of a 7M throw to the offensive team, as a punishment to the defending player.

An offensive player gets a clear chance of scoring and then because of a defensive foul, the clear chance is spoiled and a 7M is awarded to the attacking team. This 7M is caused by the concerned offensive player because of his great attacking effort and the player should be recorded with a 7M CAUSED.



The system records both the offensive player causing 7M and the defending player penalized by 7M.

The recording order: number of the offensive player > 7M CAUSED > number of the defending player. After clicking the key "7M CAUSED", the system will give a message "Input opponent's number". You can input the number or ignore it by clicking the message bar.

5.5.2 Assists

If an outer player of the attacking team skillfully passes the ball to an advantage position where his teammate can shoot to score, he is doing assist, whether or not the shooting player scores.



The recording order is: number of the assisting player > ASSIST. The record is completed when the key "ASSIST" is clicked.

5.6 Record Offensive Errors

5.6.1 About Offensive Error

Seven types of offensive errors are displayed on the main keyboard in the middle of the Match Interface: STEPS, ENTERING THE GOAL AREA, BAD PASS, BAD RECEIVE, DRIBBLING ERROR, OFFENSIVE FOUL and OTHER ERRORS. Refer the following table for detailed concept of these offensive errors.

Conducted by: Longman Sportsoft

E-mail: handball@126.com

• F = Fast break and position should be recorded separately.

5.2.2 General Shots Record

Shots are usually recorded in the following order:



a) Regular Shots (classified by computer): player's number > shooting spot of the ball > landing spot of the ball (left mouse button = score, right mouse button = no score).

The system would not allow a goal when the landing spot of the ball was on the goal post or the area outside the goal post (whether left or right mouse button was clicked).



If it's a rebounding shot, the rebounding spot should be within the area of the light color as indicated in the picture.

Conducted by: Longman Sportsoft

E-mail: handball@126.com

No landing spot of the ball is allowed inside the goal area. All the landing spot must be outside the goal line.

b) Special Shots (manually classify): player's number > shooting spot > shooting technique (in the lower part of the main key panel of the Recording Interface) > landing spot (left button =score, right button = no score).



c) 7M: player's number > 7M Line > landing spot (left button = score, right button = no score). There's no line connect the shooting spot and landing spot of the ball while it's a 7M throw.

Remarks:

The recording order, except landing spot of the ball, which is supposed to be recorded in the end, is changeable.

5.2.3 How to Record Other Events

Assist: player's number > ASSIST 7M Caused: player's number > 7M CAUSED Offensive error: player's number > type of offensive error type (if fast break: Ctrl + error type) Punishment: number of the player > type of punishment Team Timeout: team name > TIMEOUT Referee's Timeout: TIMEOUT

38

5.3 Start

5.3.1 Select Ends

Before starting a match recording, you should first set the ends of both teams according to the draw. In order to facilitate recording, the team, whose



E-mail: handball@126.com

5.4.7 Free Throws

Shot directly or shoot after only one pass from the free throws will be recorded as Free Throw.

Free throws are usually recorded in the following order: number of the player > shooting spot > FREE



THROW > landing spot of the ball. Landing spot of the ball must be recorded in the end, and the order of the other records is changeable.

5.4.8 7M

The shooting spot of 7M is on the 7M-line. To record it, you only need to click the 7M-line. The recording order: number of the player > 7M-line > landing spot of the ball, with the landing spot in the end. The system only shows the landing spot of 7M shots.

5.4.9 Rebounding Shot

If the ball had hit the ground before landing at the frame of the goal, it's rebounding shot. All kinds of shot could be a rebounding shot at the same time. Rebounding shot are recorded in the following order: number of the player > shooting spot > rebounding spot > landing spot of the ball. The rebounding spot must be within the area of the light color inside the goal area. Landing spot of the ball must be recorded in the end.

5.4.10 Shots Blocked



Shots blocked refer to the shots blocked by defenders. Shots

blocked must be recorded in the following order: number of shooting player > shooting spot > BLOCKED > number of blocking player. After you click the key "BLOCKED", the system will give you a message "Input opponent's number". If you do not want to input the number, you can ignore it by clicking the message bar.



Record Sequence

Conducted by: Longman Sportsoft

E-mail: handball@126.com

43

Landing spot of the ball must be the last to record.

5.4.5 Fast Breaks

5.4.5.1 Brief

During counterattack, when the counterattacking team is superior in players' numbers, or when the defending team is unable to organize an effective defense formation, we call this type of counterattack "Fast Break".

Generally speaking, there are two kinds of fast breaks, Individual Fast Break and Team Fast Break.

5.4.5.2 Individual Fast Break

It's Individual Fast Break when there is only one pass from the start till the end of the fast break. Individual Fast breaks are usually recorded in the following order: number of the player > shooting spot > INDIVIDUAL FAST BREAK > landing spot of the ball. As a rule, landing spot of the ball must be recorded in the end, and the order of the other records is changeable.

5.4.5.3 Team Fast Break

It's Team Fast Break when there is more than one passes from the start till the end of the fast break. Team Fast breaks are



usually recorded in the following order: number of the player > shooting spot > TEAM FAST BREAK > landing spot of the ball. As a rule, landing spot of the ball must be recorded in the end, and the order of the other records is changeable.

5.4.6 Breakthrough

When a player holding or dribbling the ball breaks through the defense line of the opposing team and shoots near the line, we call this type of attack breakthrough.

	<u></u>
Bre	akthrough

Breakthrough is usually recorded in the following order: number of the player > shooting spot > BREAKTHROUGH > landing spot of the ball, with the landing spot recorded in the end.

Conducted by: Longman Sportsoft

substitution bench is to the left of the operator, must always be set on the left of the Interface window, regardless of which side the operator sits on. It is the same with the team on the right.

Remarks:

Ends must be set before the match start, that is, before entering the first record of the match.

Caution:

Please pay close attention to the difference between "Change Halves" and "Change Ends" carefully. "Change Halves" is changing the match time from first half to the second (In this case, ends will be changed automatically by system) while "Change Ends" is changing the location of the team bench without changing halves.



5.3.2 Select Team Uniform Color

The icon of SET COLOR is located above the team

names on the window FRA Click the color icon and choose the color from the panel.

5.3.3 Select Goalkeeper

Position the pointer over the goalkeeper's number on the substitution bench, hold down the mouse button and drag the number out into the frame of the goalkeeper

(it's at the end of each substitution bench, parallel to the team's own goal). As for substitution of goalkeepers, just drag the number of the new goalkeeper to the same position. The number of the goalkeeper will then appear in the frame. The system will give a message when you want to start the match without goalkeeper selected for both sides.



5.3.4 Select Court Players

Position the pointer over the player's number on the substitution bench, hold

number will automatically enter the panel of the court players. If a player is to leave the court, drag the player's number out of the panel of the court players. And it can also be done by clicking the right mouse button at the player. This will make the player on the bench get on the playing court; or the player on the court to leave for the bench. The number will become grey when the player is on the court.



IHF Official System

Remarks:

Please try your best to keep the number of

players as the same as that on the court 'cause the counting of playing time of each player by the system will based on this record.

5.3.5 Start Timing Clock

When on-the-spot recording is started, the system will automatically prompt "Please start clock". Click the timing clock on the upper right corner of the program window, and you can see the menu including such functions as SET MINUTE, SET SECOND, START CLOCK, and 0'-30' or 30'-0'. You'd better set the



system clock according to the style of the public clock in the playing hall. Set the system clock running from 0' to 30', if the public clock runs from 0' to 30', and vice versa. When the time setting is completed, click "START CLOCK" to start timing.

5.4 Shots Record

5.4.1 Shooting Player's Number

Click the shooting player's number on the panel of the court player; the system will automatically record the number. If the shooting player's number was not on the panel of the court player, click the one on the substitution bench.

5.4.2 Shooting spot of the Player

This is to record the position where a player shoots (or jumping). To record the

Conducted by: Longman Sportsoft

E-mail: handball@126.com

shooting spot, just click the position with the left mouse button. The system will automatically process data on the shooting spots and calculate the success rates.

5.4.3 Landing Spot of the Ball

Landing spot of the ball refers to the spot where the ball is in or out of the goal, or on the goal post, after an attack. Just click the spot and the system will automatically process data on the landing spots and calculate the success rates at the end of the match.

If the landing spot is out of the goal or on the goal post, the system will mark it as "Miss or Post".

If the landing spot is within the goal post frame, there will be two different results: the ball enters the goal or is saved by the goalkeeper. If it's score, click the landing spot with the left mouse button. If it's saved by goalkeeper and no score, click the landing spot with the right mouse button.

When the ball enters the goal and you click the landing spot with the left mouse button, a line will connect the shooting spot and the landing spot, with the shooting player's number on the shooting spot. The landing spot is marked with a blacked circle.

When the goalkeeper saves the ball and you click the landing spot with the right mouse button, a line will also connect the shooting spot and the landing spot, with the shooting player's number on the shooting spot. The landing spot is marked with a blank circle.

Remarks:

In all the steps of shots recording, the click on the landing spot of the ball means the completion of a record. Therefore, before clicking the landing spot, you must make sure all relevant information (shooting spot, player's number, shooting technique, etc.) are correctly recorded (Please refers to "Record Modification" for modifying methods).

5.4.4 Regular Shots

Regular shots refer to line shots, field shots, wing shots and 7M in the position play.

The system can automatically classify the types of regular shots. Regular shots are usually recorded in the following order: number of the player > shooting spot > landing spot of the ball.

41

Remarks: