



Bowling

保齡球

Technical Handbook
技术手册



Bowling
Technical Handbook
保龄球技术手册

(修订版)

6th East Asian Games,
Tianjin 2013
第六届东亚运动会，天津2013



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I. General Schedule



SN	Sport		Oct 5 Sat	Oct 6 Sun	Oct 7 Mon
			-1 day	Day 1	Day 2
	Opening Ceremony			●	
1	Aquatics	Swimming			
		Diving			◎
2	Athletics				◎
3	Badminton				
4	Baseball			◎	◎
5	Basketball	Men			
		Women			
6	Bowling				◎
7	Cycling	Track			
		Road			
8	DanceSport				◎
9	Dragon Boat				
10	Fencing				◎
11	Football	Men		◎	
		Women			◎
12	Gymnastics				
13	Hockey	Men			◎
		Women		◎	
14	Judo				
15	Karate				
16	Shooting				◎
17	Soft Tennis				
18	Squash		◎	◎	◎
19	Table Tennis				◎
20	Taekwondo				◎
21	Tennis		◎	◎	◎
22	Volleyball	Men		◎	◎
		Women		◎	◎
23	Weightlifting				◎
24	Wushu	Taolu			◎
		Sanda			◎
	Closing Ceremony				

Key: ● Opening/Closing Ceremony ◎ ◎ Competition Day

Oct 8 Tue	Oct 9 Wed	Oct 10 Thu	Oct 11 Fri	Oct 12 Sat	Oct 13 Sun	Oct 14 Mon	Oct 15 Tue
Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
		⊙	⊙	⊙	⊙	⊙	
⊙	⊙						
⊙	⊙	⊙	⊙	⊙	⊙		
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⊙	⊙						●

II. Organizations

1. East Asian Games Association (EAGA)

Address: Room 311, 9 Ti Yu Guan Rd., Beijing, China
(Post Code: 100763)

Telephone: (86)10-87182327 (86)10-67128446

Facsimile: (86)10-67128449

President: LIU Peng (China)

Honorary President: Timothy FOK(Hong Kong, China)

Vice Presidents: YU Zaiqing (China)

Victor HUI(Hong Kong, China)

Secretary General: SONG Luzeng (China)

2. The 6th East Asian Games Organizing Committee (EAGOC)

Address: 90 Wei Jin Nan Rd., Nankai Dist., Tianjin,
China (Post Code: 300381)

Telephone: (86) 22-23934338

Facsimile: (86) 22-23934318

E-mail: tianjin2013eag@vip.sohu.com

Website: www.tianjin2013.cn

President: HUANG Xingguo (China)

Vice Presidents: YU Zaiqing (China) DUAN Shijie (China)

YANG Shu'an (China) Zhu Liping (China)

Cao Xiaohong (China)

Secretary General: WANG Jinsheng (China)

3. Sports Federations

3.1 Asian Bowling Federation (ABF)

Honorary President: Ms. Vivien Lau (Hongkong, China)

President: Sheikh Talal M.Al-Sabah (Kuwait)

Telephone: (852)2893 6039

Facsimile: (852)2893 6290

Website: abf-online.org/index.html

E-mail: vivienLcc@biznetvigator.com

3.2 Chinese Bowling Association (CBA)

President: WU Qi

Secretary General: CUI Weihong

Address: 5 Ti Yu Guan Rd., Dongcheng Dist., Beijing,
China

Telephone: (86)10-87183906

Website: bowling.sport.org.cn

4. Technical Delegate

Technical Delegate: Dante Arnold Santos (Kuwait)

Appointed by Asian Bowling Federation (ABF)

III. Competition Information

1. Dates and Venues

The 6th East Asian Games Bowling competition will be held from 7th to 15th October 2013 in Tianjin Tuanbo Bowling Alley.

2. Venues

2.1 Competition Venue

Tianjin Tuanbo Bowling Alley

2.2 Training Venue

Tianjin Tuanbo Bowling Alley

3. Events

The Bowling competition consists of the following events:

Men	Singles
	Doubles
	Trios
	Five-Player Team Event
	All Events
Women	Masters
	Singles
	Doubles
	Trios
	Five-Player Team Event
All Events	
Masters	

4. Competition Schedule

Date	Time	Event
7 Oct. (Mon.)	9:00-12:30	Men Singles Group 1
	13:30-17:00	Men Singles Group 2
	17:00-18:00	Victory Ceremony for Men Singles
8 Oct. (Tue.)	9:00-12:30	Women Singles
	12:30-13:30	Victory Ceremony for Women Singles
	13:30-17:00	Men Doubles Group 1
9 Oct. (Wed.)	9:00-12:30	Men Doubles Group 2
	13:30-17:00	Women Doubles
	17:00-18:00	Victory Ceremony for Men & Women Doubles
10 Oct. (Thu.)	9:00-11:30	1st Block of Men Trios
	12:30-15:00	1st Block of Women Trios
	16:00-18:30	2nd Block of Men Trios
	18:30-19:30	Victory Ceremony for Men & Women Trios
11 Oct. (Fri.)	9:00-11:30	2nd Block of Women Trios
	12:00-13:30	Victory Ceremony for Women Trios
	13:30-17:30	1st Block of Men Five-Player Team
12 Oct. (Sat.)	9:00-13:00	1st Block of Women Five-Player Team
	14:00-16:00	2nd Block of Men Five-Player Team
	16:00-17:00	Victory Ceremony for Men Five-Player Team
13 Oct. (Sun.)	9:00-13:00	2nd Block of Women Five-Player Team
	13:00-14:00	Victory Ceremony for Women Five-Player Team
	14:00-16:30	1st Block of Men Masters
14 Oct. (Mon.)	9:00-11:30	1st Block of Women Masters
	12:30-15:00	2nd Block of Men Masters
	15:30-16:00	Victory Ceremony for Men & Women All Events
15 Oct. (Tue.)	8:00-10:30	2nd Block of Women Masters
	11:30-13:30	Men & Women Masters Step-ladder Final
	13:30-14:30	Victory Ceremony for Men & Women Masters

5. Eligibility

5.1

The NOCs of participating countries and regions are the only representatives for their athletes taking part in the 6th East Asian Games Bowling competition.

5.2

Only competitors who comply with the East Asian Games Association(EAGA) Constitution and Constitution & Rules of the4 Olympic Council of Asia(OCA) are entitled to participate.

5.3

The participating athletes must meet both the abovementioned conditions and eligibility requirement before entry.

6. Entries

Entry procedures will be conducted in accordance with the relevant provisions of the Constitution & Rules of the Olympic Council of Asia (OCA).

6.1 Entry by Number

Deadline: 24:00 hours, April 30, 2013 (Beijing local time)

6.2 Entry by Name

Deadline: 24:00 hours, August 31, 2013 (Beijing local time)

The completed Entry by Name Forms with all necessary information including the athlete's full name as shown in passport must be submitted for each athlete. NOCs can only make changes or submit additional information on Entry by Names Forms on or before the day of the deadline, (i.e. 31st August 2013). No any amendments will be permitted after the deadline.

6.3 Number of Participants

Each NOC may enter a maximum of six (6) men and six (6) women athletes in Bowling competition.

7. General Rules and Regulations

7.1

The Bowling competition will be conducted in accordance with the 2013 WTBA Playing Rules (as of February 2013). In case of disagreement in interpretation of the Rules, the English text shall prevail. Any unforeseen incident not covered by the Rules shall be resolved as follows:

- General Issues: Resolved in accordance with the EAGA Constitution.

- Technical Issues: Resolved in accordance with the spirit of the latest WTBA Playing Rules 2012.

7.2 Competition Format

7.2.1 Style of Play

Each game will be bowled on a pair of lanes. Teams and/or individuals will successively and in regular order bowl one frame on one lane, and on the next frame alternate and use the adjoining lane until five frames are bowled on each lane of the pair, completing the game. When there is a question concerning which of the two bowlers will bowl first, it is incumbent upon the bowler on the right to do so.

7.2.2 Competition Procedure

(a) Singles

Six (6) players per NOC, six (6) games in one block across 12 lanes with two (2) persons from the same NOC when possible scheduled per lane. Each game will be played on a different pair of lanes.

(b) Doubles

Three (3) Doubles per NOC, six (6) games in one block across 12 lanes, each game to be bowled on a different pair of lanes. Doubles from the same NOC will be scheduled on different squads when possible.

(c) Trios

Two (2) Trios per NOC, six (6) games in two 3-games blocks across 12 lanes. Each game will be bowled on a different pair of lanes. Trios from the same NOC will be scheduled on different squads when possible. Change of players is not permitted during or between the blocks. Line-up changes are not permitted during a block.

(d) Five-Player Team

One (1) Five-Player Team per NOC, six (6) games in two 3-games blocks on different days. One team scheduled per lane with each game of block bowled on a different pair of lanes. A team may change one player at the start of second block or make a change as otherwise provided in Rule 5.12 of WTBA Playing Rules in 2012. Line-up changes are not permitted during a block.

Extra players will be scheduled for make-up teams to bowl towards their All Events total. Players from different NOCs will be combined for such teams.

(e) All Events

Six(6) players per NOC, standing to be decided based on a total of 24 played games in the foregoing events (Singles, Double, Trios and Five-PlayerTeam)

(f) Masters

(i) The Masters will be consisted of round robin competition of the top 16 players based on their 24 qualifying games. All qualifying pinfalls are dropped. A final match will be played as a position round, making a total of 16 (sixteen) matches.

(ii) These 16 matches will be bowled over two (2) days, 8 on the first day and 8 on the second day according to a pre-arranged schedule.

(iii) Position numbers for the pre-arranged schedule are decided by draw. However, the Tournament Technical Committee will select position numbers for players from the same NOC to ensure such players will compete against each other within the first 8 games.

(iv) Standing will be based on total pinfalls from each of the matches together with bonus of ten points for each match won, including the position round. Each player will receive a bonus of five(5) points for a tie.

(v) A Masters Grand Final will be conducted, step-ladder fashion for the three(3) top players after the sixteen(16) matches to determine the champion, second and third position.

(vi) Players failing to qualify for the Masters shall fill vacancies, which may exist at the start of the Masters. Such vacancy or vacancies shall be filled from the non-qualifiers available at that time and in the order of finish in the qualifying competition. In case of a tie between two or more available non-qualifiers, the selection will be by draw.

(vii) Any finalist who has not registered in person for the first 8-game block prior to the time specified will be replaced as described in (vi) above.

(g) Masters Step-ladder Final

A Masters Step-ladder Final for the top 3 players after the 16 round robin matches will be conducted to determine the champion, the second, and the third position.

The Masters Step-ladder Final will be played match play style with the player in the higher position having the choice of starting lane. All pinfalls and bonus points are dropped.

(i) Position two player and position three will bowl a 1-game match.

(ii) The winner bowls top position player in a 2-games match to determine the champion based on total pinfalls.

7.3 Competition Rules

● Bowling Ball, Altering Surface – Rule 4.10

Bowling ball surface adjustments by hand are acceptable between games provided they are done in the designated area and that the adjustment procedure does not delay the bowler's next turn.

Any use of chemicals must be on the "Acceptable list" as listed on WTBA web-site; www.worldtenpinbowling.com. A full, up to date list of these products is available at WTBA website includes anything listed in the "Acceptable during certified competition" sections. It is not allowed to use anything listed in the "Products Containing Solids or Abrasives" section or anything listed in the "Not acceptable at any time" sections. The ball must be wiped clean after any adjustments. (Rule 2.10.1)

Altering the surface of the bowling ball, besides what is mentioned above, is allowed in a designated area only during the official practice session, during the practice session immediately preceding a competition round, and between competition rounds.

Altering the surface of the bowling ball during a game is not allowed.

If the surface is adjusted during a game the penalty is zero pinfall in that game.

● Bowling Ball Procedure –Rule 4.11

Only bowling balls manufactured on or after January 1 1991 that are on the USBC approved ball list are allowed for use in sanctioned WTBA competition.

The online list may be found at WTBA website www.worldtenpinbowling.com

Given that the online ball list was created on January 1 1991, any bowling ball not on the list and proven to be manufactured prior to January 1 1991 have been previously approved.

A complete hard copy of the USBC approved ball list will be made available at the ball registration desk.

Acceptance of manufactured balls prior to the inception of the USBC ball list for use in competition is at the discretion of the Tournament Technical Committee.

Altering the surface of the bowling ball is allowed in a designated area during the official practice session, during the practice session immediately preceding a competition round, and between competition rounds.

Altering the surface of the bowling ball is allowed per Rule 4.10.

During a stepladder final format, each match is considered a competition round.

● **Registration bowling balls**

a) Each player will be permitted to register a maximum of 6 bowling balls during the tournament.

b) Immediately following the official practice (latest one hour after the last practice session) registration shall be made of the bowling balls to be used during the championship events.

c) Additions of maximum two bowling balls to the players bowling ball list shall be allowed (up to the maximum of 6) throughout the tournament provided they pass rule 4.11.3 above.

d) Additions to a player's bowling ball list shall be made no later than 1 hour prior to the start of the squad where the additional bowling ball(s) will be used

e) In very special circumstances the Tournament Technical Committee may allow a replacement of a registered bowling ball.

Each day during the events random inspection of the bowling balls may be performed. The Tournament Technical Committee shall decide on the number of balls and the players, which shall be randomly selected. The inspection shall be limited to a visual inspection of the serial number of the balls and the size and number

of the balance holes (refer rule 11.14.3).

The penalties for violation of the rule are

- a) Daily random inspection, zero score for the event in which the failed inspection was performed
- b) Medallists, zero score for the event
- c) Masters Finals, disqualification and all scores null and void

If a ball is in violation regarding the size of the balance hole, the ball shall be removed from play and cannot be used again until the balance hole complies. No additional balls may be added to the bowling ball list.

A maximum of five gripping holes are allowed in a bowling ball. The player must be able to reach each set of finger holes (not all four simultaneously) while using the thumb hole. Any hole, which cannot be reached, is considered a balance hole. The ball must be balanced twice when one set of finger holes are for finger-tip and the other set for conventional grip.

When delivering the ball the player must have his/her thumb in or over the thumb hole. It may not be 180 degrees away from the thumb hole.

It is not permissible to use resin/powder products anywhere outside of designated area in any ABF event. The tournament manager shall/will designate such an area.

- **Order of Bowling**

Once a block of games has begun, no changes will be made in the line-up for that block.

- **Substitutions-Rule 5.16**

A player who has already started in an event shall not be replaced. In case of an injured player having to leave the game, the remaining players on the team shall continue their games for all event purposes.

- **Interrupted Game-Rule 4.21**

The Tournament official may authorize the completion of a game and block of games on another pair of lanes when equipment failure on the starting lanes would delay the normal progress of the block.

- **Bowling on wrong lane-Rule 4.23**

A ball shall be declared dead and the player or players required re-bowling on the correct lane if no more than a total of 4 individual frames have been bowled on a pair of lanes by the players for Singles, Doubles, Trios and Team.

If more than four individual frames have been bowled on the wrong lane, that game will be completed without adjustment. Any succeeding game must be started on the correctly scheduled lane.

In singles match competition, where a player bowls two frames each time it is his/her turn to bowl, and the other player bowls on the wrong lane, a dead ball will be declared and the player required to re-bowl on the correct lanes, providing the error is discovered before the opposing player has made a delivery. Otherwise, the score stands as bowled, with all subsequent frames in the game bowled on the correct lanes.

- **Tie-Break Procedures**

The player or team with the highest score in each event of the competition will be the winner. When equal score (ties) are registered for any of the first three position in the Singles, Doubles, Trios, Five-Player Team or All Events, co-champions will be declared. There will be no play off of the tie (teams or players with equal scores will get the same medals). In case of a tie for the first position, the next position will get bronze medal. In case of a triple tie for the first position, all will get gold medals, and there will be no other medals. In case of a tie for the second position, no medals for the third position.

When a tie occurs for sixteenth (16) positions in the all events total, a one game roll off will be held.

In case of a tie in the Masters Final before the position round (after 15 games) between places 2-3-, 4-5, 6-7 and so on, the player with the higher position is the one who in the round robin has:

The higher total scratch pin fall

Won their match

Won more matches

The least difference between the highest and the lowest game

The higher game

When a tie occurs after the position round for first or third place, a one game roll off will be held.

If a tie occurs for any position in the stepladder final, a 9th and 10th frame will be bowled, starting from scratch, to break the tie. If a tie still exists, repeat the 9th and 10th frame roll off until the tie is broken.

● **Slow bowling / Lane Courtesy -Rule 4.22**

Players shall be ready to bowl when it is their turn and shall not delay the start of their approach or delivery when the pairs immediately adjacent to them on both the right and left are clear (one (1) pair lane courtesy).

Competitors must observe one (1) pair lane courtesy at all times. Competitors on the same pair may not bowl consecutive deliveries without allowing one (1) competitor from the pair to the right and one (1) competitor from the pair to the left have made a delivery, unless those competitors are not ready to bowl or they give way.

If a player does not observe the procedures outlined in paragraphs 1 and 2, it shall be construed as slow bowling. A player failing to observe these procedures shall be warned by an authorized tournament official as follows

a) A white card for the first offence (no penalty)

b) A yellow card for the second offence (no penalty)

c) A red card for the third and each succeeding offence in any block of games (six games for singles and doubles, three games for team and all games of match play in a day). the penalty shall be a zero pin fall for the frame

For interpretation of the enforcement of this rule, the Referees shall specifically monitor any player or team that gets more than four frames behind the leader in a singles, doubles event; or more than two frames behind in team, not counting the end pairs of lanes.

Whenever there is any question concerning the enforcement of this rule, or lack thereof, the ABF President or his designee, notwithstanding the reference to the Referees, shall make the final decision.

● **Smoking and Drinking – Rule 4.16**

The players must not use tobacco products, consume alcohol or be under the influence of alcohol while in competition; i.e. during the entire period of a block of games. In those instances where it is established that a player is in breach of this rule, he may be suspended by the Tournament Technical Committee from the tournament for the block of games then being played.

Non-alcoholic beverages are allowed provided they are not consumed in the players area.

During the championships alcoholic beverages may not be served or consumed in the player's area.

During championships smoking is not permitted in the bowling centre. However, it may be allowed in a closed area, provided it does not affect the environment in the player's and spectator's areas.

If a player is caught smoking during a game, he/she will have zero pinfall for that game. If smoking between games within a block he/she will have zero pinfall in the succeeding game.

- **Code Numbers and Lane Assignments**

Code Numbers will be drawn by lot and used to schedule lane assignments for each NOC.

- **Submission of Line-Up**

The final line-up for each event must be submitted to the Technical Delegate on the day before the event is held and should be within one hour after the event of that day has finished.

- **Lane Dressing Procedures-Rule 4.6**

The general goal for all competition is to achieve a fair and equitable scoring condition, which places a premium on bowler accuracy and consistency.

In conjunction with the inspection of the lanes the Technical Official shall develop the lane dressing procedures to be used during the competition.

Two lane conditions shall be used with two styles of oiling patterns, including the volume of oil. One short oiling distance and one long oiling distance shall be used.

The Technical Delegate shall liaise with the bowling center staff and instruct them in regard to the lane dressing procedures to be followed. The lane dressing procedures shall be circulated to all member federations as soon as possible (latest one month before the competition) following the establishment.

The Tournament Technical Committee shall follow the lane dressing procedures established by the Technical Official and shall verify that the same procedures are followed on a daily basis during the competition.

- **Draw**

The Draw shall be held on October 5th 2013 supervised by the Technical Delegate in the presence of the Team Managers.

- **Technical Officials and Jury of Appeal**

The responsibility for the management of the competition will be assumed by competition officials from the Chinese Bowling

Association (CBA) approved by OCA and EAGOC under the guidance of the Technical Delegate appointed by ABF.

The Tournament Technical Committee for the 6th East Asian Games Bowling Events will consist of:

- a) Technical Delegate
- b) Technical Official
- c) Tournament Coordinator

The Technical Delegate is the Chairman of the Committee and is especially responsible for matters related to the WTBA Playing Rules. He is appointed by the ABF President in cooperation with EAGOC and must come from another federation other than the host city.

The Technical Official is appointed by the ABF President in cooperation with EAGOC and must come from another federation other than the host city.

The Tournament Coordinator is responsible for all matters related to the administration of the competition. He is appointed by the negotiation between EAGOC and CBA.

The Tournament Technical Committee is responsible for all matters related to the lanes, machines, scoring systems etc., and is responsible for deciding the lane dressing procedures. Also, the Tournament Technical Committee is responsible for handling appeals against decisions taken by the Referees or by the Tournament Coordinator.

In the operation of the competition, should there be disagreement between ABF and the Tournament Technical Committee, for general issues, the decision of OCA and EAGOC will prevail, for technical issues, the decision of the Tournament Technical Committee will prevail.

The Referees are appointed by the Chair of the pre-tournament meeting and are responsible for enforcing all the provisions of

the WTBA Playing Rules and those provisions of WTBA Playing Rules Chapter 4, 5 and 8 that apply to the actual competition. In this capacity, the Referees will circulate behind the bowlers' seating area and observe the competition for conformance with the rules.

● **Playing Uniform, advertising – Rule 4.17**

Players shall wear a standard uniform approved by their National federation/NOC. In a team event (Doubles and Team) players of the same Doubles or Team must wear uniforms of the same colour and type

The following may appear on the uniform

- a) Name of player
- b) Logo of the country or National federation/NOC, which the player represents are displayed on the back of the uniform.

No athlete or technical official can attach any commercial advertising on his or her competition uniform without prior agreements with the OCA, ABF and IAGOC.

Coaches and officials in the player's area should be in the uniform specified by the national federation/NOC.

8. Medical Control

8.1 Doping Control

Doping control for all events of the 6th East Asian Games will be conducted according to EAGA Medical Committee instructions and will follow the procedures specified by the World Anti-Doping Agency (WADA).

8.2 Points for Attention

When an Athlete is notified to be tested against the Doping Control after the match, he /she must go to the Doping Control Station (DCS) with a registered ID Card. The athlete may not go out of the sight of the escort or urinate before arriving at the DCS. The athlete may have a team member present throughout the entire process (a minor must have one). Those who are notified, but fail or refuse to arrive at the designated DCS may constitute an anti-doping rule violation.

9. Equipment

All equipment and installation shall be in conformity with the standards of the Fédération Internationale des Quilleurs (FIQ), World Tenpin Bowling Association (WTBA) and Asian Bowling Federation (ABF).

IV. Competition Management

1. Management

The responsibility for the management of the competition will be assumed by the competition officials appointed by EAGOC from Chinese Bowling Association under the guidance of the Technical Delegate appointed by Asia Bowling Federation (ABF).

1.1 Technical Officials

The Technical Delegate of the 6th East Asian Games Bowling competition is appointed by Asian Bowling Federation (ABF). National Technical Officials (NTO) are assigned by the 6th East Asian Games Organizing Committee (EAGOC) in consultation with the Chinese Bowling Association (CBA). The International Technical Officials (ITO) are assigned by the Chinese Bowling Association (CBA) in consultation with the Asian Bowling Federation (ABF).

1.2 Protests and Appeals

Protests and appeals shall be resolved in accordance with the rules and regulations of 2013 WTBA playing Rules (as of February 2013).

2. Victory Ceremony

2.1 Victory Ceremony

The Victory Ceremony will be held after the finals. All award-ees must wear their NOC's official clothing.

2.2 Order of Awards

● Individual Events

First Place: Gold Medal and diploma shall be presented to the winner in each event.

Second Place: Silver Medal and diploma shall be presented to the first runner-up in each event.

Third Place: Bronze Medal and diploma shall be presented to the second runner-up in each event.

● Team Events

First Place: Gold Medal and diploma shall be presented to each member of the winning team.

Second Place: Silver Medal and diploma shall be presented to each member of the first runner-up team.

Third Place: Bronze Medal and diploma shall be presented to each member of the second runner-up team.

V . Approval of Technical Handbook

The Technical Handbook for the 6th East Asian Games Bowling Competition was approved by the Council of the East Asian Games Association on October 15th, 2012.

VI. Introduction to Tianjin

1. Overview

Tianjin is one of the four municipalities directly under the jurisdiction of the Chinese Central Government, with a current permanent population of 13.55 million, consisting of 16 districts and counties, and occupying a land area of 11,916.9 square kilometers, and with a coastline of 153 kilometers.

Eight hours ahead of GMT, Tianjin lies in the center of the Bohai Bay on the western coast of the Pacific Ocean, between Latitude 38°34'—40°15'North and between Longitude 116°43'—118°04'East. It is situated in the northeast of the North Plain in China, about 120 kilometers away from the country's capital city of Beijing.

A major access to the sea in north China, Tianjin has throughout history been an important channel of river and sea transport. As early as in the mid-19th century, it was opened as a trading port, and constant development over the years has made it an important international port and a hub of finance and commerce. The city is conveniently accessible, with well-built facilities for traffic on land, at sea and in the air. Behind, it has a vast hinterland of over two million square kilometers. Externally, it keeps trade contacts with more than 400 harbors of over 180 countries and regions, with a cargo handling capacity exceeding 450 million tons, which ranks the city at the fourth place in the world, and a standard container handling capacity of 11.58 million, standing at the 11th place in the world. Tianjin Binhai International Airport is the largest air transport hub in north China and a major freight distributing center in northeast Asia.

First built over 600 years ago, Tianjin is renowned for its splendid history and culture, boasting more than 100 “firsts” in the history of modern China. In recognition of its rich legacy of historical and cultural relics and remains, the city is reputed as “an epitome of modern China in the past hundred years”. Tianjin is also acclaimed as “an expo of western-style architectures”, with a total of 710 of its exotic buildings identified to be put under protection and preservation. Yang Liu Qing New Year Pictures, Zhang’s Painted Clay Figurines and Wei’s Kites are some of its folk arts known all over the country. A cradle of talented cross-talkers and opera performers, it is called “a center of Peking Opera” and “the land of northern Chinese folk arts”. It is also the birth-place of the modern drama in China.

Tianjin is among the first cities recognized as the country’s most outstanding tourist destinations. Natural tourism resources abound, including mountains, rivers, lakes, sea, springs, wetland, and so on. Representative natural landscapes and places of historical and cultural interests include the scenic spot in Jixian County, the sea-front, the Drum Tower commercial and business street, the Western-style buildings along Wu Da Dao, the Italian-style street, the ancient culture street, the food street, the Tong Luo Wan tourist area in the heart of the city, to name just a few.

Tianjin is an economic center undergoing booming development. As far as the past five years are concerned, the city witnessed a growth of over 16% in gross output value year-on-year to exceed 1 trillion yuan, which translated into a per capita value of 13,000 US dollars. The Binhai New Area, where the national strategic opening-up and development program is being fully implemented, is fast growing to be a new power in driving the regional economy. Construction of a more livable and eco-friendly city is proceeding fast, with its unique style taking shape, characterized by a grandeur and glamour in its integration of Chinese and Western elements, and a blend of both ancient and modern. In conformity with its positioning by the central authorities, Tianjin is well on the way to becoming an international port city, an economic center in north China and an eco-friendly community.

2. Useful Information

- **Language**

Putonghua (Mandarin Chinese)

- **Time**

Tianjin is eight hours ahead of GMT. It falls within the same time zone as Beijing, using Beijing local time.

- **Voltage**

The standard voltage for residential use is a single-phase AC of 220V/ 50Hz.

- **Diet**

Since ancient times Tianjin has been a renowned producer of fish, shrimp, crabs, clams and other aquatic and marine products. All these, especially seafood, are to the liking of its people. Among its varied traditional flavors, the Goubuli Steamed Bun with Meat Stuffing, the 18th Street Fried Dough Twists and the Er Duo Yan Er Fried Cakes are reputed as “three unique delicacies of Tianjin” enjoying tremendous popularity throughout the world. Historically an important trading port witnessing ceaseless traveling to and fro between the north and south and frequent exchanges with the outside world, varied styles of cooking –Shandong, Shanxi, Henan, Fujian, Guangdong, Zhejiang, and so on – have come to take root here in Tianjin. Court-style dishes and western delicacies are also among the favorites of the local diners.

- **Useful Numbers**

Telephone Enquiries: 114

Health Emergencies / Ambulance: 120

Fire: 119

Police and Traffic Accidents:110

- **Banks and Foreign Currency Exchange**

The yuan, also called renminbi (RMB), is the local unit of currency and all banks in Tianjin provide RMB services. Foreign currency can be exchanged at any branch of Bank of China. The rate of exchange of foreign currencies to RMB will depend on the quoted exchange rate given that day. Please note that foreign currency cannot be used to pay for any goods or services in China. Most business in China now accepts international credit cards including MasterCard, Visa, American Express and JCB.

VII. Weather Information

1. Climate

Located to the east coast of the Euro-Asia Continent on the middle latitude, Tianjin belongs to the monsoon region of east Asia is chiefly under the influence of the continental climate. It is characterized by distinct seasons – spring is usually windy and dry with only occasional rainfalls; summer is hot, with most of the rainfalls in the year; autumn is cool with comfortable temperatures; and winter is cold and dry without much snow.

Table 1
Statistics of the Climate Data in October in the Urban Area of
Tianjin (1981-2010).

Climate Elements	Means
Mean Temperature (°C)	14.7
Minimum Temperature (°C)	10.5
Maximum Temperature (°C)	20.0
Lowest Temperature Recorded (°C)	-0.1
Highest Temperature Recorded (°C)	31.1
Wind Velocity (m/s)	1.6
Maximum Wind Velocity (m/s)	7.2
Extreme Wind Velocity Recorded (m/s)	14.0
Relative Humidity (%)	60.4
Minimum Relative Humidity (%)	15.1
Monthly Rainfall (mm)	28.2
Monthly Days with Rainfall (d)	4.8
Daily Maximum Rainfall (mm)	114.4
Average Daily Sunshine Duration (h/d)	6.1
Average Daily Sunshine Rate (%)	55
Average Days with Thunderstorms in a month (d)	0.9
Average Monthly Days with light Mist (d)	15.4
Average Monthly Days with Fog (d)	1.7
Average Days with Gust (d)	0.4
Average Days with Frost (d)	1.1

Table 2
Daily Climate Data Statistics in the Urban Areas of Tianjin in October
(2002-2011)

Date	Mean Temperature (°C)	Maximum Temperature (°C)	Minimum Temperature (°C)	Mean Air Pressure (hPa)	Relative Humidity (%)	Wind Velocity (m/s)	Maximum Wind Speed (m/s)
10-1	18.7	22.9	15.4	1017.8	60.0	1.7	2.9
10-2	18.7	24.0	14.3	1018.4	49.8	1.4	3.4
10-3	18.4	23.4	14.3	1018.9	48.4	1.4	3.2
10-4	18.4	23.6	13.8	1018.7	55.2	1.2	2.8
10-5	18.1	24.1	13.8	1016.5	60.7	1.6	3.4
10-6	18.0	22.5	13.8	1016.8	58.6	1.5	3.2
10-7	17.7	22.3	14.1	1017.9	54.5	1.6	3.5
10-8	17.4	22.3	13.8	1018.2	56.7	1.2	3.0
10-9	17.6	22.6	13.6	1018.3	63.3	0.9	2.4
10-10	17.3	21.2	14.2	1019.4	64.9	1.4	3.4
10-11	15.9	20.6	11.7	1020.8	61.9	1.5	3.2
10-12	16.2	21.2	12.2	1020.5	58.6	1.3	3.5
10-13	16.2	20.5	12.8	1019.5	55.4	1.4	3.3
10-14	16.3	21.3	12.1	1018.9	46.2	1.5	3.7
10-15	16.2	22.1	11.0	1017.8	49.6	1.5	3.0

2. Tips

Tianjin is in the transition from summer to autumn in October during which you will enjoy comfortable temperatures. Light cotton clothing is recommended, while sweaters and jackets are sometimes necessary for cooler mornings and evenings.

VIII. Competition Venues Map



2013
6TH EAST ASIAN GAMES

第六届东亚运动会 场馆分布图 6Th East Asian Games Venue maps

- 01 天津市大学生体育馆
Tianjin University Students Gymnasium
- 02 天津师范大学体育馆
Tianjin Normal University Gymnasium
- 03 天津团泊岛足球场
Tianjin Tuanpo Island Stadium
- 04 天津体育中心训练场
Tianjin Sports Center Training Field
- 05 天津体育中心射击馆
Tianjin Sports Center Shooting Range
- 06 天津体育中心篮球馆
Tianjin Sports Center Hockey Hall
- 07 天津体育中心自行车馆
Tianjin Sports Center Velodrome
- 08 天津网球中心
Tianjin Tennis Center
- 09 团泊大道
Tuanpo Avenue
- 10 天津国际网球中心
Tianjin International Tennis Center
- 11 男子大学体育中心
Men's College Sports Center of Nankai University
- 12 天津团泊训练球馆
Tianjin Tuanpo Training Hall
- 13 天津奥林匹克中心游泳跳水馆
Tianjin Olympic Center Swimming
- 14 天津奥林匹克中心举重馆
Tianjin Olympic Center Weightlifting
- 15 天津体育学院体育馆
Tianjin Physical Education Gymnasium
- 16 天津体育馆
Tianjin Gymnasium
- 17 天津外环线大学体育馆
Tianjin University Sports Gymnasium
- 18 天津水上公园游泳
Tianjin Water Park East Lane
- 19 东亚青年会馆
Dongqiang Gymnasium
- 20 东丽体育馆
Dongli Gymnasium
- 21 中国传媒大学体育馆
Communication University of China Gymnasium
- 22 天津海河教育园区体育场
Tianjin Heihe Education Park Stadium
- 23 天津津滨发展新区大学体育馆
Tianjin Jinyin Development Area Gymnasium

I. 第六届东亚运动会竞赛总日程表

序号	项目		5/10 (六)	6/10 (日)	7/10 (一)
			-1天	第1天	第2天
	开幕式			●	
1	游泳	游泳			
		跳水			◎
2	田径				◎
3	羽毛球				
4	棒球			◎	◎
5	篮球	男篮			
		女篮			
6	保龄球				◎
7	自行车	场地			
		公路			
8	体育舞蹈				◎
9	龙舟				
10	击剑				◎
11	足球	男足		◎	
		女足			◎
12	体操				
13	曲棍球	男子			◎
		女子		◎	
14	柔道				
15	空手道				
16	射击				◎
17	软式网球				
18	壁球		◎	◎	◎
19	乒乓球				◎
20	跆拳道				◎
21	网球		◎	◎	◎
22	排球	男排		◎	◎
		女排		◎	◎
23	举重				◎
24	武术	套路			◎
		散打			◎
	闭幕式				

说明：● 为开、闭幕式；◎ ◎为比赛日



8/10 (二)	9/10 (三)	10/10 (四)	11/10 (五)	12/10 (六)	13/10 (日)	14/10 (一)	15/10 (二)
第3天	第4天	第5天	第6天	第7天	第8天	第9天	第10天
		○	○	○	○	○	
○	○						
○	○						
○	○	○	○	○	○		
○	○	○	○	○	○	○	
	○	○	○	○	○	○	
	○	○	○		○	○	
○	○	○	○	○	○	○	○
						○	○
					○		
○							
					○		○
○	○	○	○	○			
○		○		○		○	
	○		○				
			○	○	○	○	
	○		○		○		
○		○		○			
						○	○
					○	○	
○	○	○					
		○	○	○	○	○	
○	○	○					
○	○	○	○	○			
○	○						
○	○	○	○	○	○	○	
○	○	○	○	○	○		
○	○	○	○	○	○		
○							
○	○						
○	○						
							●

II. 组织结构

1. 东亚运动会联合会 (EAGA)

地 址：中国北京市体育馆路 9 号 311 室 (邮编: 100763)

电 话：(86)10-87182327 (86)10-67128446

传 真：(86)10-67128449

主 席：刘 鹏 (中国)

名誉主席：霍震霆 (中国香港)

副 主 席：于再清 (中国)

许晋奎 (中国香港)

秘 书 长：宋鲁增 (中国)

2. 第六届东亚运动会组织委员会 (EAGOC)

地 址：中国天津市南开区卫津南路 90 号 (邮编: 300381)

电 话：(86) 22-23934338

传 真：(86) 22-23934318

邮 箱：tianjin2013eag@vip.sohu.com

网 址：www.tianjin2013.cn

主 席：黄兴国 (中国)

副 主 席：于再清 (中国) 段世杰 (中国)

杨树安 (中国) 朱丽萍 (中国)

曹小红 (中国)

秘 书 长：王津生 (中国)

3. 体育联合会

3.1 亚洲保龄球联合会 (ABF)

名誉主席: 刘掌珠女士 (中国香港)

主 席: Sheikh Talal M.Al-Sabah (科威特)

电 话: (852)2893 6039

传 真: (852)2893 6290

网 页: abf-online.org/index.html

电子邮箱: vivienLcc@biznetvigator.com

3.2 中国保龄球协会 (CBA)

主 席: 吴 齐

秘 书 长: 崔伟红

地 址: 中国北京市东城区体育馆路5号

电 话: (86) 10-87183906

网 页: bowling.sport.org.cn

4. 技术代表

技术代表: Dante Arnold Santos (科威特)

指派单位: 亚洲保龄球联合会 (ABF)

III. 竞赛信息



1. 日期及地点

第六届东亚运动会保龄球赛事将于2013年10月7日至15日在天津团泊保龄球馆举行。

2. 场馆

2.1 比赛地点

天津团泊保龄球馆

2.2 练习地点

天津团泊保龄球馆

3. 比赛项目

保龄球比赛将设下列项目：

男子项目	单人赛
	双人赛
	三人赛
	五人队际赛
	全能赛
	精英赛
女子项目	单人赛
	双人赛
	三人赛
	五人队际赛
	全能赛
	精英赛

4. 比赛日程表

日期	时间	项目
10月7日 (星期一)	9:00-12:30	男子单人赛第一组
	13:30-17:00	男子单人赛第二组
	17:00-18:00	男子单人赛颁奖仪式
10月8日 (星期二)	9:00-12:30	女子单人赛
	12:30-13:30	女子单人赛颁奖仪式
	13:30-17:00	男子双人赛第一组
10月9日 (星期三)	9:00-12:30	男子双人赛第二组
	13:30-17:00	女子双人赛
	17:00-18:00	男、女子双人赛颁奖仪式
10月10日 (星期四)	9:00-11:30	男子三人赛第一节
	12:30-15:00	女子三人赛第一节
	16:00-18:30	男子三人赛第二节
	18:30-19:30	男子三人赛颁奖仪式
10月11日 (星期五)	9:00-11:30	女子三人赛第二节
	12:00-13:30	女子三人赛颁奖仪式
	13:30-17:30	男子五人队际赛第一节
10月12日 (星期六)	9:00-13:00	女子五人队际赛第一节
	14:00-16:00	男子五人队际赛第二节
	16:00-17:00	男子五人队际赛颁奖仪式
10月13日 (星期日)	9:00-13:00	女子五人队际赛第二节
	13:00-14:00	女子五人队际赛颁奖仪式
	14:00-16:30	男子精英赛第一节
10月14日 (星期一)	9:00-11:30	女子精英赛第一节
	12:30-15:00	男子精英赛第二节
	15:30-16:00	男、女子全能赛颁奖仪式
10月15日 (星期二)	8:00-10:30	女子精英赛第二节
	11:30-13:30	男、女子梯级挑战赛
	13:30-14:30	男、女子精英赛颁奖仪式

5. 参赛资格

5.1

各个国家/地区的奥委会是参加第六届东亚运动会保龄球赛事运动员的唯一代表。

5.2

只有符合东亚运动会联合会(EAGA)章程和亚洲奥林匹克理事会(OCA)宪章的运动员才有参赛权。

5.3

参赛之保龄球运动员必须符合上述两项条件及资格。

6. 报名

报名程序将按亚洲奥林匹克理事会(OCA)宪章相关规定执行。

6.1 参赛项目人数报名

截止日期是：2013年4月30日24时(北京时间)。

6.2 参赛人员姓名报名

截止日期是：2013年8月31日24时(北京时间)。

所有运动员的参赛报名表必须在截止日期前提交，报名表所需信息须填写完整，包括运动员护照上的全名等。各奥委会成员可在报名截止前(包括当日)(例如：2013年8月31日)对最终报名表做出修改或补充，截止报名后将不准做任何的变更。

6.3

各奥委会于保龄球赛事中最多可报男子、女子各6名运动员。

7. 竞赛方法

7.1

保龄球赛事将按2013世界保龄球协会（WTBA）竞赛规则（自2013年2月生效）进行。如对规则解释有争议，将以英文版本为准。出现任何规则以外的不可预见性的问题，可采用以下程序：

- 总体性事项：按东亚运动会联合会（EAGA）章程解决。

- 技术性事项：按世界保龄球协会（WTBA）最新颁布规则之精神解决。

7.2 比赛编排

7.2.1 比赛形式

每一局比赛应在一对球道上进行，团体和/或个人赛的每名运动员将以固定的投球顺序连续在一条球道上投一格球，在下一格交替在毗邻球道上投球，直到在这对球道的每条球道上投完五格球。该局比赛即告完成。当两名运动员发生哪位先行投球的问题时，右边球道上的运动员有义务先投球。

7.2.2 比赛程序

（1）单人赛

各奥委会可派六名运动员，在12条球道进行1节6局的比赛。安排每一球道时，尽可能编排2名来自同一奥委会运动员在一起。每局比赛将在不同的一对球道上进行。

（2）双人赛

各奥委会可派三支双人队，在12条球道进行1节6局的比赛，每局在不同的一对球道上投球。尽可能把来自同一奥委会的双人队编排在不同组进行比赛。

（3）三人赛

各奥委会可派两支三人队，在12条球道进行两节3局共6局的比赛，每局在不同的一对球道上投球。尽可能把来自同一奥委会的三人编排在不同组进行比赛。在一节比赛之中，或者在节与节之间，不准更换运动员。在一节比赛中，不准改变投球顺序。

(4) 五人队际赛

各奥委会可派一支五人队，在不同日期进行2节3局共6局的比赛。每条球道安排一队，每节中每局在不同的一对球道上投球。从第二节比赛开始，按照2012世界保龄球协会竞赛规则第5.12条的规定，一个赛队可以更换一名运动员。在一节比赛中，不准改变投球顺序。

额多队员为得到他们的全能（分）（总分），将被安排在混合队伍进行投球，来自不同奥委会的运动员将被合并成上述的队伍参加相应项目的比赛。

(5) 全能赛

各奥委会可派出6名运动员，按完成上述各小项（单人赛、双人赛、三人赛及五人队际赛）共24局的总分决定运动员名次。

(6) 精英赛

(i) 在24局比赛后，排在前16位的选手进入精英赛，进行循环赛。资格赛中的比分，不计入精英赛。比赛采用十五局循环赛加一局排位赛制，共十六局。

(ii) 该十六局比赛，分两天完成，第一天八局，第二天八局，依照赛程安排进行。

(iii) 赛程提前安排的对抗编号，通过抽签决定。对于来自同一奥委会的参赛选手，将由竞赛技术委员会为其选择编号，确保该类选手在首日八（8）局中进行对抗比赛。

(iv) 排名将根据各场比赛的总共得分，包括打赢一场比赛（包括排位赛）获得十分的加分计算得出，选手打平一场比赛，各获得五分的加分。

(v) 十六局比赛结束后，排名前三位的选手将参加精英赛总决赛，采用梯级挑战赛式，角逐冠军、亚军和季军。

(vi) 精英赛开始之际，可能会存在选手空缺，该空缺将由未能晋级的选手递补。按照非晋级选手在资格赛结束后的排名，依次递补空缺。如果同时存在名次一样的两名或多名可递补选手，则通过抽签决定。

(vii) 任何决赛选手，如未能在规定时间内亲自注册参加第一场的八局比赛，则将按照上述第(vi)条规定，更换成其他递补选手参赛。

(7) 精英赛梯级挑战赛

在十六局循环比赛结束后，排名前三位的选手将参加精英赛梯级挑战决赛，进行冠军、亚军和季军角逐。

精英赛梯级挑战赛将以对抗赛方式进行，排名高的运动员有权选择起始球道。梯级挑战赛不计以往成绩和加分。

(i) 排名第二(2)的选手与排名第三(3)的选手进行一局决胜负的比赛。

(ii) 获胜选手与排名第一(1)的选手进行两场比赛，按照比赛总分，决定冠军。

7.3 比赛规则

● 保龄球球面处理 - 《WTBA竞赛规则第4.10条规定》。

可以接受在局与局比赛之间对球表面做手工调整处理，处理必须在规定区域内进行。并且处理所用时间不得影响球员下一局比赛。

处理所用的化学品，必须是在WTBA网站(www.worldtenpinbowling.com)载明的“认可清单”内。WTBA网站会公布一份最新的、完整的化学产品清单，涵盖“竞赛注册许可清单”涉及的任何化学用品。在比赛中，不允许在保龄球上使用“含有固体颗粒或磨料”的产品，或者被纳入“永久禁用”清单的化学用品。对比赛用球进行调整处理后，必须将球面擦拭干净(《WTBA竞赛规则第2.10.1条规定》)。

除上述规定外，对保龄球进行的表面处理，应在规定的区域，在官方练球时间内、每一局赛开始前、每两个回合之间进行。

比赛进行中，禁止对球表面进行处理，否则，将给予当场比赛零分处理。

● 比赛用球规定—《WTBA竞赛规则第4.11条规定》

在1991年1月1日以后生产的保龄球，只有其球名在USBC批准的名单中，才允许在WTBA的比赛中使用。

保龄球的名单在WTBA的网站上（www.worldtenpinbowling.com）可以查询。

鉴于该名单创建于1991年1月1日，所以，在1991年1月1日以前的保龄球，必须有制造商的证明才可以在比赛中使用。

在比赛球检桌上，必须提供一份完整的USBC批准用球的清单。

在USBC名单创建之前生产的保龄球，将由竞赛技术委员会自行决定是否接受使用。

对保龄球进行的表面处理，应在规定的区域，在正式练习时间内、每一局赛开始前、每两个回合之间进行。

允许依据《WTBA竞赛规则第4.10条规定》对保龄球球表面进行处理。

在进行梯级挑战赛时，每一局比赛被视为一个回合。

● 保龄球登记

a) 每个球员将被允许注册最多6个保龄球比赛。

b) 紧随官方练球之后（即练习结束之后的一个小时），必须登记在锦标赛期间使用的球。

c) 在整个赛事当中，每个运动员球单上可允许增加最多两颗球（直至最大数6颗），并且应当符合上述《WTBA竞赛规则第4.11.3条规定》。

d) 运动员新增加的比赛用球，必须在比赛开始前一个小时完成球检注册。

e) 在非常特殊的情况下，竞赛技术委员会可能会允许更换注册保龄球。

比赛期间的每一天都有可能对球进行随机抽查。竞赛技术委员会将决定随机检查的球和运动员的数量。随机检查仅限于对球的序列号、尺寸大小和平衡孔的大小及数量进行目测（参照《WTBA竞赛规则第11.14.3条规定》）。

违反（球检）规则的惩罚：

- 1) 每日随机检查，随机检查不合格的比赛项目为零分。
- 2) 获得奖牌者，该项目为零分。
- 3) 精英决赛，取消资格和成绩无效。

如果一个球违反有关平衡孔大小的规定，此球将不被允许使用直到平衡孔符合条件为止，并且不能再将额外的球添加到球检表中。

一个保龄球上用于抓球的孔不得超过五个。当使用拇指孔时，运动员必须触到本组指孔（不是同时触到全部四个）。未被触及的孔将被视为是平衡孔。一个球分别具有指尖抓握孔和常规抓握孔这两种情况时，必须在球检查秤上称两次。

投球时运动员必须使其拇指进入或覆盖拇指孔，不能离开拇指孔180度范围。

在任何ABF赛事中，不得在规定区域以外的任何地方使用松香/粉末产品。竞赛主任应/将对该区域予以规定。

● 投球顺序

一节比赛已经开始后，不允许改变投球顺序。

● 替补规则—《WTBA竞赛规则第 5.16条规定》

已经开始一项比赛的运动员一概不得替换。某个运动员在比赛中因故受伤而必须离开时，该队的其余运动员应为了获得自己的全能分而继续比赛。

● 比赛中断—《WTBA竞赛规则第 4.21条规定》

在比赛进行过程中，如某一球道因为设备故障而耽误一节比赛的正常进行时，执行裁判可允许运动员在另外的一对备用球道上继续完成该节或该局的比赛。

● 在错误球道上投球—《WTBA竞赛规则第 4.23条规定》

在单人、双人、三人、五人队际赛中，如果在一对球道上的运动员投出不多于共计四格的错误球道投球，则上述错误投球将被判为死球并要求回到正确的球道重新投球。

如果超过4格错误球道投球，那么本局比赛将按照错误这种方式继续完成投球，下一局回到正确的球道上投球。

在个人对抗赛中，运动员每次投二格球，并交换球道。当在对方选手投球前发现某运动员投错球道时，则该球为死球，要求这名运动员回到正确的球道上重投。如对方运动员已投球后才发现这一错误，则该运动员的得分应予以记录，但该局以后各格应在正确的球道上投球。

● 同分裁决程序

在各项比赛中获得最高分的运动员或运动队为优胜者。

在单人赛、双人赛，三人赛、五人赛或全能赛中，如果在前三名排位中，出现任意一名同分时，则宣布其并列获胜。不再进行加赛（同分的个人或团队，将获得同样的奖牌）。如果第一名排位出现同分，则下一排位的选手/团队直接获得铜牌。如果第一名排位出现三个同分时，则将全部获得金牌，不再颁发银牌和铜牌。如果第二名排位出现同分，则排位第三的选手/团队不获得奖牌。在全能中，如果第十六名排位出现同分，则加赛一局，一局决胜负。

如果在精英赛排位赛前（在15局比赛后），在2-3，4-5，6-7等各名次间存在同分，则较高名次由下列决定：

- 最高的积分者
- 战胜对方者
- 获胜局次多者
- 最高和最低分之间的分差最少者
- 最高分者

在排名赛后，如果第一名排位或第三名排位出现同分，则将加赛一局决胜负。

如果在梯级挑战赛中出现同分，则将投第9格和第10格球，从零开始，分出胜负。如果得分依然相同，则重复投第9格和第10格球，直到分出胜负。

● 慢投球/球道礼仪—《WTBA竞赛规则第 4.23条规定》

球员在轮到其投球前就应准备好投球。当左右紧邻的球道已空时不应延迟上助走道（遵守一对赛道比赛礼仪）。

球员在局上需始终遵守一对赛道比赛礼仪。在同一对赛道上的选手不得连续投球，当右边一对赛道的一名选手和左边一

对赛道的一名选手都完成动作后方可开始动作，其他赛道队员未准备好或主动相让情况下除外。

如果球员不按照上述两小段的规程进行，它将被认定为慢投球。对这些违反规程的球员，应由一位授权竞赛官员作如下警告：

a) 首次犯规，以白牌警告（不予罚分）

b) 第二次犯规，以黄牌警告（不予罚分）

c) 在一节比赛中（指单人赛、双人赛的六局，团队赛的三局，一天中对抗赛的所有局数），从第三次犯规开始，每犯规一次，出示一次红牌，且该格的分数为零。

为解释和实施这条规则，裁判应特别注意这样的运动员，他们在单人赛、双人赛中落后于领先者四格，在团队赛中落后两格，已结束的比赛的球道不算在内。

不论何时，在执行上述规则发生争议时，或者缺少相应规则时，在征询裁判意见后，由亚洲保龄球联合会（ABF）主席或其指定人作最后裁决。

● 吸烟与饮酒—《WTBA竞赛规则第 4.16条规定》

在比赛时，运动员不得吸烟、饮酒或者受到酒精的影响（例如在每一节的比赛过程中吸烟饮酒），如运动员违反本条规则，竞赛技术委员会可以中止其在该节的比赛。

运动员比赛区域内不允许饮用含酒精的饮料。

比赛期间，运动员区域和观众区均不得出售和消费含酒精的饮料。

在比赛期间，保龄球中心不允许吸烟。然而，可以提供一个封闭的吸烟区，前提是会影响运动员和观众区域的空气。

如果某一球手在比赛中被发现吸烟，则他当前正在进行的比赛项目成绩计“零”，如果某一球手在一节比赛的局间被发现吸烟，他的随后的比赛成绩被记录为“零”。

● 编号及球道编排

用作各奥委会编排球道的编号将以抽签形式决定。

● 提交运动员投球顺序

各小项的运动员最终投球顺序须于该小项举行前一天，在当日小项比赛结束后一小时内提交给技术代表。

● 球道落油—《WTBA竞赛规则第 4.6条规定》

比赛的目的在于创造公平公正的条件，以考验选手的准确性和稳定性。

在球道检测时，WTBA技术代表应制订比赛期间的球道下油程序。

应当在两个不同球道上，采用两种下油方式，包括下油量。应当采用短油球道和长油球道。

技术代表应联络保龄球中心的职员，指导其按照制定的下油程序落油。

下油程序一旦确定后，应当尽快（至少在赛前一个月）告知各联合会成员。

竞赛技术委员会应当遵循技术官员确定的球道下油程序，并确保在比赛中每天均应遵守同样的程序。

● 抽签

抽签将于2013年10月5日在技术代表监督下以及在各领队到场的情况下进行。

● 技术官员和仲裁委员会

第六届东亚运动会保龄球赛事的竞赛技术委员会将包括：

- (1) 技术代表
- (2) 技术官员
- (3) 比赛协调员

技术代表为该委员会主席，着重负责与WTBA竞赛规则相关事宜。该技术代表由亚洲保龄球联合会（ABF）主席和东亚运动会组织委员会(EAGOC)一同任命，必须为来自东道主城市所属之外的联合会。

技术官员由亚洲保龄球联合会（ABF）主席和东亚运动会组织委员会(EAGOC)一同任命，必须为来自东道主城市所属之外的联合会。

比赛协调员负责与比赛行政管理相关的所有事宜。比赛协调员由东亚运动会组织委员会(EAGOC)和中国保龄球联合会(CBA)商议任命。

竞赛技术委员会负责与球道、机器、计分系统等所有相关事宜，并且负责确定球道落油程序。同时，技术委员会负责处理对裁判或者比赛协调员所作决定提起的任何申诉。

比赛操作过程中，如果亚洲保龄球联合会(ABF)与竞赛技术委员会意见不一，对于一般性问题，以亚洲奥林匹克理事会(OCA)和东亚运动会组织委员会(EAGOC)的决定为准，对于技术性问题，以竞赛技术委员会的决定为准。

比赛裁判由赛前技术会议的主席任命，负责执行WTBA竞赛规则的所有规定，以及适用于实际比赛的WTBA竞赛规则的第四章、第五章和第八章。裁判则以该身份在球手座位区域巡查，确保比赛按照规定进行。

● 比赛制服与广告规定—《WTBA竞赛规则第4.17条规定》

球员应当身着其所在国家联合会/奥委会批准的统一标准制服。在团队比赛中(双打和团体赛)时，同一方的球员必须穿着一样的颜色和款式的制服。

制服上可印刷下列内容：

a)球员的名字

b)在制服背面，印刷球员代表的国家联合会/奥委会的图标。

未经亚洲奥林匹克理事会(OCA)，亚洲保龄球联合会(ABF)以及东亚运动会组织委员会(EAGOC)的事先许可，任何运动员或技术代表不得在其比赛制服上佩戴任何商业广告。

在运动员区域的运动教练和官员必须穿着各其所在国家联合会/奥委会的制定服装。

8. 医务监督

8.1 兴奋剂检测

第六届东亚运动会的兴奋剂检查工作，将会根据东亚运动会医务委员会的指示以及遵照世界反兴奋剂机构（WADA）的规定程序而展开工作。

8.2 注意事项

运动员在赛后接到兴奋剂检查通知时，必须提供本人注册身份卡，并按要求去兴奋剂检查站报到，在到达兴奋剂检查站之前不得脱离陪护人员的视线，不得排尿。运动员可有一名本队人员陪同（未成年运动员必须有一名陪同）。无故拖延或拒绝兴奋剂检查将构成违反兴奋剂检查规则。

9. 器材

将采用符合国际保龄球联盟（FIQ）-世界十瓶保龄球联合会（WTBA）-亚洲保龄球联合会（ABF）所认可之标准比赛器材。

IV. 竞赛管理



1. 管理

竞赛管理的责任由第六届东亚运动会组织委员会（EAGOC）所任命的和隶属于中国保龄球协会（CBA）的竞赛组织官员，在亚洲保龄球联合会（ABF）委派的技术代表的指导下承担。

1.1 技术组织

第六届东亚运动会的技术代表由亚洲保龄球联合会（ABF）所任命。NTO的竞赛技术官员由东亚组委会（EAGOC）和中国保龄球协会（CBA）商议后所选派任命。ITO竞赛组织官员由中国保龄球协会（CBA）和亚洲保龄球联合会（ABF）协商选派。

1.2 抗议和申诉

抗议和申诉将根据2013世界保龄球协会(WTBA)竞赛规则（自2013年2月生效）的规定进行处理。

2. 颁奖

2.1 颁奖仪式

颁奖仪式将在决赛后举行，获奖运动员需穿着其所属奥委会制服。

2.2 奖项颁发如下

● 个人项目

冠军：授予金牌和证书

亚军：授予银牌和证书

季军：授予铜牌和证书

● 团体项目

冠军：授予队伍各成员金牌和证书

亚军：授予队伍各成员银牌和证书

季军：授予队伍各成员铜牌和证书

V. 技术手册认可

第六届东亚运动会保龄球赛事的技术手册于2012年10月15日获东亚运动会联合会理事会认可。

VI. 天津市简介

1. 天津市概况

天津是中国四大直辖市之一。现有常住人口1355万人，辖16个区县，土地面积11916.9平方公里，海岸线153公里。

天津地处太平洋西岸渤海湾中心地带、中国华北平原的东北部，位于国际时区东八区，北纬 $38^{\circ} 34'$ — $40^{\circ} 15'$ 、东经 $116^{\circ} 43'$ — $118^{\circ} 04'$ 之间。距首都北京约120公里。

天津是中国北方地区重要的出海口。历史上便是河槽、海运重地，19世纪中叶被辟为通商口岸，逐步发展成为重要的国际商埠和金融商贸中心。海陆空交通便捷，天津港对内拥有200多万平方公里的辽阔腹地，对外与180多个国家和地区的400多个港口有贸易往来，货物吞吐量超过4.5亿吨，位居世界第4位，集装箱吞吐量达到1158万标准箱，位居世界第11位。天津滨海国际机场是中国北方最大的货物空运中心和东北亚货运集散地。

天津是中国历史文化名城。筑城建卫已有600多年历史，文化底蕴深厚。曾创造了中国近代历史上的100多项“第一”，近代史迹、文化遗存丰富多彩，有“近代百年中国看天津”之称。现有已认定的历史风貌建筑710幢，被称为“万国建筑博览会”。杨柳青年画、泥人张彩塑、魏记风筝等民间艺术闻名全国。相声、戏剧人才辈出，享有“京剧大码头”、“北方曲艺之乡”的美誉，也是中国话剧艺术的发祥地。

天津是中国首批优秀旅游城市。旅游资源丰富，山、河、湖、海、泉、湿地等旅游资源荟萃。有以自然风景和名胜古迹为特点的蓟县旅游观光区，有海湾特色的滨海旅游区，有鼓楼商贸街、五大道风情街、意式风情街、古文化街、食品街、铜锣湾等市中心旅游区。

天津是正在蓬勃发展的经济中心城市。近5年来，生产总值年均增长16%以上，全市生产总值达到11190.99亿元，人均生产总值达到1.3万美元。滨海新区开发开放的国家发展战

略加快实施，正在成为带动区域经济发展的新的增长极。生态宜居城市建设积极推进，初步形成了大气洋气、清新靓丽、中西合璧、古今交融的城市风格。按照国家明确的城市定位，天津正在努力建设成为国际港口城市、北方经济中心和生态城市。

2. 常用信息

● 通用语言

普通话。

● 时区

东八区，统一使用北京时间。

● 电压

普通居民电压标准是单相、交流220V/ 50Hz。

● 饮食特点

天津自古盛产鱼、虾、蟹、蚌等，人们喜食海鲜、河鲜。天津传统风味食品丰富多彩，狗不理包子、十八街麻花、耳朵眼炸糕等享誉海内外，被誉为“天津三绝”。由于天津历史上便是南来北往、中西交流的重要商埠，鲁、晋、豫、闽、粤、浙等菜系都在天津扎根发展，宫廷菜肴、西方美食在天津也很受欢迎。

● 常用电话

电话查询：114

急救医疗指挥中心：120

火警电话：119

盗警及交通事故报警电话：110

● 银行、货币信息

中国的货币单位是人民币（元）。天津所有银行可办理人民币业务，中国银行网点可办理外汇兑换业务。人民币与外币的比价，因为尚未有外币直接流通，故要根据中国银行当天的牌价进行兑换。目前可使用的国外信用卡主要有：万事达卡(Master Card)、维萨卡(Visa Card)、运通卡(American Express Card)、JCB卡。

VII. 气象资料

1. 天津气候概况

天津位于中纬度欧亚大陆东岸，主要受季风环流的影响，是东亚季风盛行的地区，属大陆性气候。主要气候特征是，四季分明，春季多风，干旱少雨；夏季炎热，雨水集中；秋季气爽，冷暖适中；冬季寒冷，干燥少雪。

表1 天津市区10月气候资料统计表（1981~2010年）

气候要素	数值
平均气温 (°C)	14.7
平均最低气温 (°C)	10.5
平均最高气温 (°C)	20.0
极端最低气温 (°C)	-0.1
极端最高气温 (°C)	31.1
平均风速 (m/s)	1.6
平均最大风速 (m/s)	7.2
极端最大风速 (m/s)	14.0
平均相对湿度 (%)	60.4
平均最小相对湿度 (%)	15.1
平均降水量 (mm)	28.2
平均降水日数 (天)	4.8
最大一日降水量 (mm)	114.4
平均日照时数 (小时/天)	6.1
平均日照百分率 (%)	55
平均雷暴日数 (天)	0.9
平均轻雾日数 (天)	15.4
平均雾日数 (天)	1.7
平均大风日数 (天)	0.4
平均霜日数 (天)	1.1

表2 近10年（2002~2011）天津市区10月逐日气候统计

日期	平均气温 (℃)	平均最 高气温 (℃)	平均最 低气温 (℃)	平均 气压 (hPa)	平均相 对湿度 (%)	平均风 速 (m/s)	平均最大 风速 (m/ s)
10-1	18.7	22.9	15.4	1017.8	60.0	1.7	2.9
10-2	18.7	24.0	14.3	1018.4	49.8	1.4	3.4
10-3	18.4	23.4	14.3	1018.9	48.4	1.4	3.2
10-4	18.4	23.6	13.8	1018.7	55.2	1.2	2.8
10-5	18.1	24.1	13.8	1016.5	60.7	1.6	3.4
10-6	18.0	22.5	13.8	1016.8	58.6	1.5	3.2
10-7	17.7	22.3	14.1	1017.9	54.5	1.6	3.5
10-8	17.4	22.3	13.8	1018.2	56.7	1.2	3.0
10-9	17.6	22.6	13.6	1018.3	63.3	0.9	2.4
10-10	17.3	21.2	14.2	1019.4	64.9	1.4	3.4
10-11	15.9	20.6	11.7	1020.8	61.9	1.5	3.2
10-12	16.2	21.2	12.2	1020.5	58.6	1.3	3.5
10-13	16.2	20.5	12.8	1019.5	55.4	1.4	3.3
10-14	16.3	21.3	12.1	1018.9	46.2	1.5	3.7
10-15	16.2	22.1	11.0	1017.8	49.6	1.5	3.0

2. 建议服装

10月是天津的夏秋之交，气温冷暖适中，宜穿着棉质单衣，早晚温度稍凉，可增添羊毛衫或背心。

VIII. 地图



2013
6TH EAST ASIAN GAMES

第六届东亚运动会 场馆分布图

6Th East Asian Games
Venue maps

- 01 天津工业大学体育馆
Tianjin University of Technology Gymnasium
- 02 天津师范大学体育馆
Tianjin Normal University Gymnasium
- 03 天津团泊湖赛场
Tianjin Tunpohu Stadium
- 04 天津体育中心棒球场
Tianjin Sports Center Baseball Field
- 05 天津体育中心射击馆
Tianjin Sports Center Shooting/Tenpin
- 06 天津体育中心击剑赛场
Tianjin Sports Center Fencing Field
- 07 天津体育中心自行车馆
Tianjin Sports Center Cycling Gymnasium
- 08 天津训练中心
Tianjin Training Center
- 09 团泊大道
Tunpohu Avenue
- 10 天津团泊湖训练中心
Tianjin Tunpohu Training Center
- 11 南开大学体育中心
Nankai University Sports Center of National University
- 12 天津团泊湖射击馆
Tianjin Tunpohu Shooting Gym
- 13 天津奥林匹克中心游泳跳水馆
Tianjin Olympic Center Swimming Diving Gymnasium
- 14 天津奥林匹克中心体育场
Tianjin Olympic Center Stadium
- 15 天津市人民体育馆
Tianjin People's Gymnasium
- 16 天津体育馆
Tianjin Gymnasium
- 17 天津外国语学院体育馆
Tianjin Foreign Studies University Gymnasium
- 18 天津水上公园新湖
Tianjin Water Park East Lake
- 19 天津市奥体中心游泳跳水馆
Tianjin Sports Center Swimming Diving Gymnasium
- 20 天津市体育馆
Tianjin Sports Center
- 21 中国民航大学体育馆
Civil Aviation University of China Gymnasium
- 22 天津海河教育园区体育场
Tianjin Haihe Education Park Stadium
- 23 天津市滨海新区大学体育馆
Tianjin Binhai New Area University Gymnasium

