



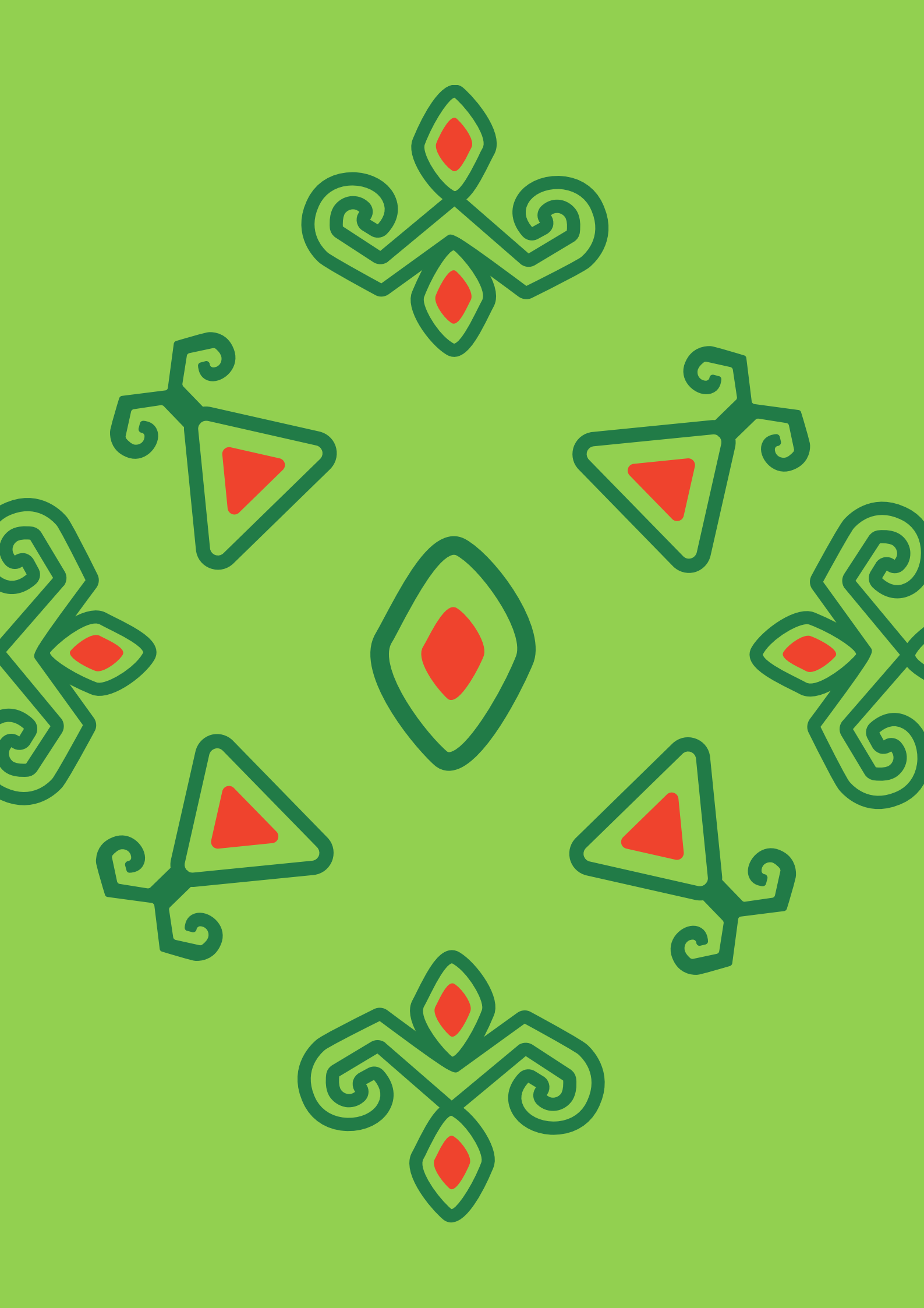
Ashgabat 2017

5th Asian Indoor & Martial Arts Games

Technical Officials' Handbook

Bowling

September 2017



Contents

Introduction	5
Key Information	7
Competition Information	13-24
Venue Information	25
Host Country/City Information	26
Map of the Ashgabat Olympic Complex	27



1. Introduction

In September 2017 Ashgabat will host the 5th Asian Indoor and Martial Arts Games; attracting athletes from 64 delegations from Asia and Oceania to participate across 21 sports.

This is a historic moment for the country, as Ashgabat 2017 will be the first major multi-sport event to be hosted in Turkmenistan. The vision after these games will be for the city of Ashgabat and the wider country to host future major sporting events at an international level.

5th Asian Indoor and Martial Arts Overview

The Games are owned, co-organised, and regulated by the Olympic Council of Asia (OCA).

The first Asian Indoor Games were held in 2005 in Bangkok. After three editions of the Asian Indoor Games, the Olympic Council of Asia merged the event with the Asian Martial Arts Games. This merger created the Asian Indoor and Martial Arts Games, with the 4th AIMAG taking place in Incheon, Korea in 2013.

In 2010 the 5th edition of the Asian Indoor and Martial Arts Games was awarded to the city of Ashgabat, Turkmenistan.

The 2017 Asian Indoor and Martial Arts Games will be held in Ashgabat from 17–27 September 2017.

Ashgabat 2017 5th AIMAG Executive Committee

The Ashgabat 2017 5th AIMAG Executive Committee was established in 2013 under the direction of the President of Turkmenistan Gurbanguly Berdimuhamedov. The Chairman of the 5th AIMAG Executive Committee is Mr. Dayanch Gulgeldiyev.

The Ashgabat 2017 5th Asian Indoor and Martial Arts venues

There are 15 competition venues, with all sports except Equestrian Jumping and Futsal taking place within the Ashgabat Olympic Complex. Equestrian Jumping will take place at the Equestrian Centre located in the north east of the city and Futsal at the Multifunctional Sport Venue located less than 500m from the Ashgabat Olympic Complex.

The Ashgabat 2017 5th Asian Indoor and Martial Arts sports

Twenty-one sports will be contested during the 5th Asian Indoor and Martial Arts Games. The Games will include six Olympic sports: 3x3 Basketball, Track Cycling, Equestrian Jumping, Taekwondo, Wrestling and Weightlifting.



Aziya Olimpiya Geŋe

15-16 September



2. Key Information

Technical Officials (TOs) play a critical role in the successful staging of the 5th Asian Indoor and Martial Arts sport programme, ensuring that the sport specific rules and technical regulations can be met. Ashgabat 2017 has worked closely with Asian and International Federations to appoint TOs of the highest quality and experience to officiate at the Games.

At Games Time, all appointed TOs fall under the jurisdiction of the appointed AF/IF Technical Delegate, who is charged with the responsibility of ensuring that all technical aspects of planning and managing Games competition are undertaken and delivered on the field of play (FOP).

2.1 Key Dates

The Bowling competition at the 5th Asian Indoor and Martial Arts Games will be held from 21st September 2017 – 27th September 2017 at the Bowling Centre. Please note the key dates below relating to the Bowling competition:

Date	Milestone
12th September 2017	Volunteers on Shift
13 th September 2017	TD and ITO arrive Ashgabat
14th September 2017	Broadcast Rehearsal, venue inspection
17 th September 2017	Remaining ITOs arrive Ashgabat, receive uniforms, validate accreditation
17 th September 2017	Opening Ceremony
18 th September 2017	Technical Official's Meeting, Team Manager's Meeting
19 th September 2017	Ball Registration, Athlete Training
20 th September 2017	Ball Registration, Athlete Training
21 st September 2017	Competition Commences
27 th September 2017	Competition Concludes
28 th September 2017	Departure of ITOs
29 th September 2017	Departure of TD, Departure of ITOs



2.2. Arrivals and departures

Accredited TOs appointed to officiate at the Games will have all reasonable costs of arrival and departure travel arrangements covered by Ashgabat 2017. Transport to and from Ashgabat International Airport (official port of entry), Ashgabat train station and official border crossings, and the Technical Officials village will be provided.

2.3 Accreditation and Validation

The Asian Indoor and Martial Arts Games Identity and Accreditation Card (AIMAGIAC) is both a visa-waiver document for entry into Turkmenistan for the 5th AIMAG and an identity and access device for access into Games venues.

AIMAGIACs will be distributed to all eligible TOs via the Ashgabat 2017 Executive Committee Sport Team. The cards will be distributed in the form of a Pre-Valid Card (PVC) which must be validated at an official Games Accreditation location prior to being used to access Games venues.

PVCs should be carried with the passport during travel to Turkmenistan – participants may need to show the PVC to airline check-in or border control officials during departure or transit to prove eligibility to enter Turkmenistan. The PVC is a visa waiver document for entry into Turkmenistan between 18 August and 12 October 2017 – participants in possession of a PVC do not need to apply for a separate entry visa for Turkmenistan during this period. The PVC however does not act as a transit visa for any country – participants are required to make their own arrangements for transit visas where required.

Upon arrival into Turkmenistan, the Accreditation Card should be presented with the passport to the border control officials. The passport must be the same as the information submitted as part of the application for accreditation, and it must be valid until at least 28 December 2017.

Validation of the PVC

PVCs must be validated at an official Games Accreditation location before accessing Games venues. Each participant must attend in person with their passport to complete the process.

There will be Accreditation Validation Counters at Ashgabat International Airport (ASB) from 1 September 2017 – all TOs arriving into Turkmenistan through ASB are required to complete the validation process at the airport before proceeding to their accommodation.

Accreditation Locations and Services

Centre	Client Groups	Validation	Help Office	Lost/Stolen Replacement
Ashgabat International Airport (ASB)	All participants arriving on international flights	YES	-	-
Athletes Village Accreditation Centre	Village residents only	YES	YES	YES
Uniform Distribution and Accreditation Centre (UDAC)	All	YES	YES	YES
Venue Accreditation Help Offices (VAHOs): <ul style="list-style-type: none"> • Ashgabat Olympic Complex South • Ashgabat Olympic Complex East • Multifunctional Sport Venue/Ashgabat Olympic Complex North • Equestrian Centre 	All	YES	-	YES
OCA Family Hotel Accreditation Centre	OCA Family Hotel residents only	YES	YES	YES



Lost, Stolen and Damaged PVCs and AIMAGIACs

If your PVC is lost prior to departure for Turkmenistan, is lost in transit or is damaged, please contact the Technical Officials team to discuss options.

If your AIMAGIAC is damaged in such a way that the photograph, name or access codes are not easily read, or if the barcode area is damaged so that it will not scan at the access control points, please report to any Accreditation Centre where a replacement card will be issued.

Lost or stolen AIMAGIACs should be reported to any Accreditation Centre at the earliest possible opportunity so that it can be cancelled. A new AIMAGIAC will be issued upon completion of a declaration form, and presentation of a valid passport to confirm identity.

2.4 Accommodation

Accommodation will be provided to all TOs in the Satellite Village (SVL), located in the heart of Ashgabat and a short walk from the Ashgabat Olympic Complex. The Satellite Village consists of six newly constructed buildings, with 12 floors of accommodation. All rooms have en-suite shower facilities.

Services at the Satellite village include

- Wi-Fi
- Resident Centre
- General Store & ATM
- Dining and Café bar

All buildings within the SVL have a laundry room on each floor containing three washing machines and three drying machines. They are self service and detergent, irons and ironing boards can be obtained from the Resident Centre in each building.

Alternatively, laundry and dry cleaning can be left at the building Resident Centre between 7:00am and 9:00am. This is a paid for service by the TO. Items will be returned within 24 hours to the Resident Centre.

All TOs will be provided with a daily hot buffet breakfast at the TO dining hall located on the 2nd floor of the Village Plaza. Lunch and dinner will either be provided at the dining hall or on venue depending on your competition schedule.

Hours of operation:

Breakfast: 06:00 - 09:00

Lunch: 12:00 – 14:00

Dinner: 18:00 -23:00

Please note access to the 1st floor of the Village Plaza is restricted to Athletes and Team Officials.

TOs will also have access to the café located in building 6 in the SVL, which will be open daily from 07:00. Light snacks and refreshments will be served throughout the day, and from 17:00 till 23:00 alcohol will also be available. This café operates on a user pay basis.

Please be aware, bringing alcohol in to the village is prohibited and it will be confiscated by security services.

The 24 hour Resident Centre are there to help answer any queries or questions. Transport information and sport information will also be available.



All visitors to Turkmenistan are reminded that the electrical supply is 220v. Plugs should have the two round pins, similar to most European countries. TOs should bring their own personal adaptors.

2.5 Per Diem

All accredited ITOs appointed to officiate at Ashgabat 2017 will be eligible for a per diem of \$100 US dollars for the duration of their stay.

2.6 Uniform

All appointed bowling TOs, other than the Technical Committee and Jury Members will be provided with a casual uniform as follows:

- Jacket x 1
- Trousers x 2
- Polo shirt x 3
- Cap x 1
- Bag x 1

Technical Committee and Jury Members will receive a formal uniform as follows:

- Shirt or blouse x 2
- Trousers or skirt x 2
- Blazer x 1
- Tie or scarf x 1

Whilst officiating on the FOP, all TOs should wear their Ashgabat 2017 uniform. Please be aware, that shoes will not be provided to TOs as part of their uniform. Officials are required to bring smart black shoes to wear with their uniform.

An appointment will be made for all officials to visit the Uniform Distribution and Accreditation Centre (UDAC) to collect your uniform as soon as possible after your arrival. Transport will be provided.

An alterations service for formal uniforms will be available if required.

2.7 Transport – TF services

Transport for TOs will be provided by Ashgabat 2017 to and from your competition venue and your accommodation at the Satellite Village. This will be in the form of a dedicated TO shuttle bus system and detailed timetables will be displayed at your accommodation.

Due to the close proximity of the Satellite Village to the Olympic complex the option to walk is available to all Technical Officials.

2.8 Medical Service

TOs will be able to access the Athlete Medical Room (AMR) while at competition venues. Consideration will be given to athlete confidentiality during the time the TOs are in the AMR. The level of care provided will include the provision of medication as clinically appropriate.

Medical cover outside the time spent at a competition venue will be available at the SVL, with fully equipped medical rooms operating from 06:00 – 23:00.



Where accredited persons including TOs suffer from acute diseases, acute exacerbations of chronic diseases or acute injuries, they can receive treatment in the Polyclinic or designated hospitals free-of-charge. Services may include emergency treatment, in-patient service, special consultation and ambulance transfer, if required. However, free medical services will not include selective or unnecessary treatment.

2.9 Pre-travel Immunisation Advice

As part of their preparations for travelling to Turkmenistan, all TOs are advised to check their vaccination status and ensure they are fully immunised according to their own national vaccination schedules.

2.10 Opening and Closing Ceremonies

All Bowling TOs will be allocated a ticket to the Opening Ceremony on the 17 September 2017.





VOLUNTEER

INFORMATION
DESK

OLYMPIC COUNCIL OF ASIA

ASHGABAT 2017

ASHGABAT 2017

3. Competition Information

3.1 Ashgabat 2017 competition management

Name and Position	Contact Details
Stephanie Hill Competition Manager - Bowling	+993 69050453 Stephanie.Hill@ashgabat2017.com
Bruce Danbury Technical Operations Manager - Bowling	+993 67201786 Bruce.Danbury@ashgabat2017.com
Ramina Najafova Sport Coordinator - Bowling	+993 66700788 Ramina.Najafova@ashgabat2017.com
Nury Nazarov Sport Coordinator - Bowling	+993 64999369 Nury.Nazarov@ashgabat2017.com

3.2 International Federation (IF) Management

The IF for Bowling is the Asian Bowling Federation (ABF).

Name	Position
Sheikh Talal Mohammad Al-Sabah	President Asian Bowling Federation
Ms. Vivien Lau	Hon. Life President Asian Bowling Federation
Ms. Emba Leung	Hon. General Secretary Asian Bowling Federation



3.3 International Technical Officials (ITOs)

First Name	Last Name	Role	Country
Dante Arnold	Santos	Technical Delegate	KUWAIT
Kyohei	Akagi	Jury Member 1	Japan
Kennedy	Alfaro	Mechanic 1	Doha, Qatar
Telesforo Jr.	Angeles	Scorekeeper 2	Kuwait
Alfredo III	Belarmino	Scorekeeper 1	Kuwait
Sin Kyu	Byeon	Referee 4	Incheon, Korea
Kin Wing	Chan	Referee 1/ ball weigher	Hong Kong
Mei Sze	Chan	Administrative Management 2	Hong Kong
Jang Kyu	Choi	Jury Member 2	Incheon, Korea
Ho Sik	Choi	Referee 3	Incheon, Korea
John	Janawicz	Technical Committee 1	Orlando, Florida, USA
Jerome	Laurel	Scorekeeper 4	Abu Dhabi, UAE
Yuet Ming	Leung	Oiling Technician/ ball weigher	Hong Kong
Lady Liz-Ann Rouelle	Marcial	Scorekeeper 3	Dubai, UAE
Elsie	Marcial	Opening Counter	Dubai, UAE
Michael	Seymour	Technical Committee 2	Surabaya, Indonesia
Ka Sing	Tam	Administrative Management 3	Hong Kong
Vannesse Siu Yin	Tang	Presentation Coordinator	Hong Kong
Ka Cheong	Yau	Referee 2 / ball weigher	Hong Kong
Kee Too	Yaw	Administrative Management 1	Kuala Lumpur, Malaysia



3.4 Competition Events

The Bowling competition will consist of six (6) events including three (3) categories for men and three (3) categories for women.

Men	Women
Individual	Individual
Doubles	Doubles
Team of four	Team of four



3.6 Competition Format

In all events, the oil patterns that will be applied will be selected by the international technical delegate. The oil patterns are provided in section 3.6.8 below.

3.6.1 Field of Play (FOP)

The FOP consists of 32 lanes.

Lane 1 and lane 32 will be out of FOP use to allow media / press access.

3.6.2 Duration of Contests

N/A

3.6.3 Scoring

Scoring is in line with the ABF regulations. The Results, Timing and Scoring provider is ATOS using an integrated system between Brunswick and ATOS.

3.6.4 Decision

The athlete that scores the highest number of points is the winner.

3.6.5 Contestant uniform and protective equipment

Athletes will wear their NOC tracksuits for the competition. Each athlete is permitted to register up to 7 competition balls for use during the competition.

3.6.6 Drawing of lots

The Technical Delegate will allocate lanes for the preliminary rounds prior to the team manager's meeting. This will be displayed at Sport Information desks in the Athlete's Village and in the Bowling Centre.

3.6.7 Oiling Pattern

Oiling patterns follow on the next 2 pages.

3.7 Competition Rules

The Bowling competition of the 5th Asian Indoor and Martial Arts Games shall be conducted in accordance with the Competition Rules of the Asian Bowling Federation (ABF) and relevant regulations, in force during the Games time.

In case of any disagreement in the language interpretation of the rules and regulation, the English version shall prevail. Any unforeseen case not covered by the rules and regulations shall be handled as follows:

General Issues: Resolved in accordance with OCA Constitution and Rules.

Technical Issues: Resolved in accordance with the Asian Bowling Federation Rules and Regulations.





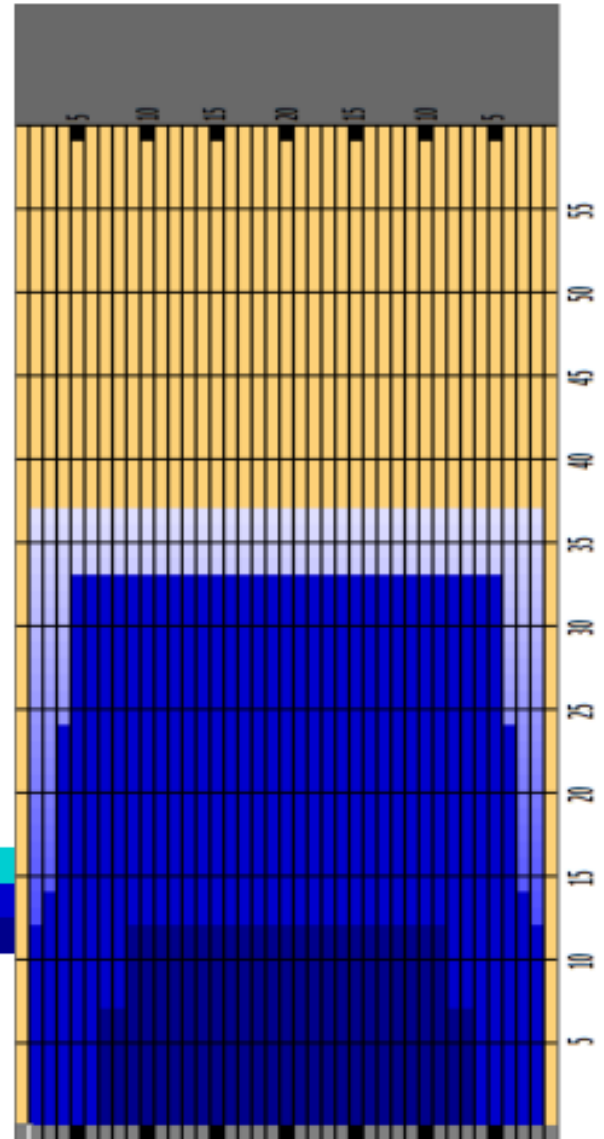
2017 Asian Indoor Games-Short



Oil Pattern Distance	37	Reverse Brush Drop	34	Oil Per Board	Multi ul
Forward Oil Total	5.74 mL	Reverse Oil Total	16.555 mL	Volume Oil Total	22.295 mL
Tank Configuration	Only A	Tank A Conditioner	ICE	Tank B Conditioner	ICE

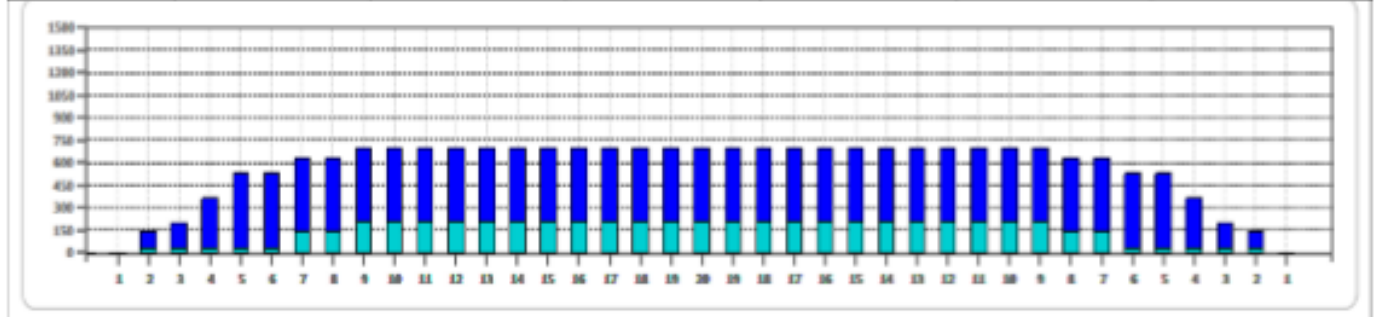
	START	STOP	LOADS	MICS	SPEED	BUFFER	CROSSED	START	END	FEET	T.OIL
1	2L	2R	1	35	18	4	37	0.0	0.0	0.0	1295
2	7L	7R	3	35	18	3	81	0.0	7.6	7.6	2835
3	9L	9R	2	35	18	3	46	7.6	12.7	5.1	1610
4	2L	2R	0	35	18	3	0	12.7	26.0	13.3	0
5	2L	2R	0	35	22	2	0	26.0	31.0	5.0	0
6	2L	2R	0	35	22	1	0	31.0	37.0	6.0	0

	START	STOP	LOADS	MICS	SPEED	BUFFER	CROSSED	START	END	FEET	T.OIL
1	2L	2R	0	55	26	1	0	37.0	33.0	-4.0	0
2	5L	5R	3	55	22	3	93	33.0	23.7	-9.3	5115
3	4L	4R	3	55	22	3	99	23.7	14.4	-9.3	5445
4	3L	3R	1	55	18	3	35	14.4	11.9	-2.5	1925
5	2L	2R	2	55	18	3	74	11.9	6.8	-5.1	4070
6	2L	2R	0	55	18	4	0	6.8	0.0	-6.8	0



Cleaner Ratio Main Mix NA Forward
 Cleaner Ratio Back End Mix NA Reverse
 Cleaner Ratio Back End Distance NA Combined
 Buffer RPM: 4 = 720 | 3 = 500 | 2 = 200 | 1 = 50

Item	3L-7L:18L-18R	8L-12L:18L-18R	13L-17L:18L-18R	18L-18R:17R-13R	18L-18R:12R-8R	18L-18R:7R-3R
Description	Outside Track:Middle	Middle Track:Middle	Inside Track:Middle	Middle: Inside Track	Middle:Middle Track	Middle:Outside Track
Track Zone Ratio	1.56	1.02	1	1	1.02	1.56





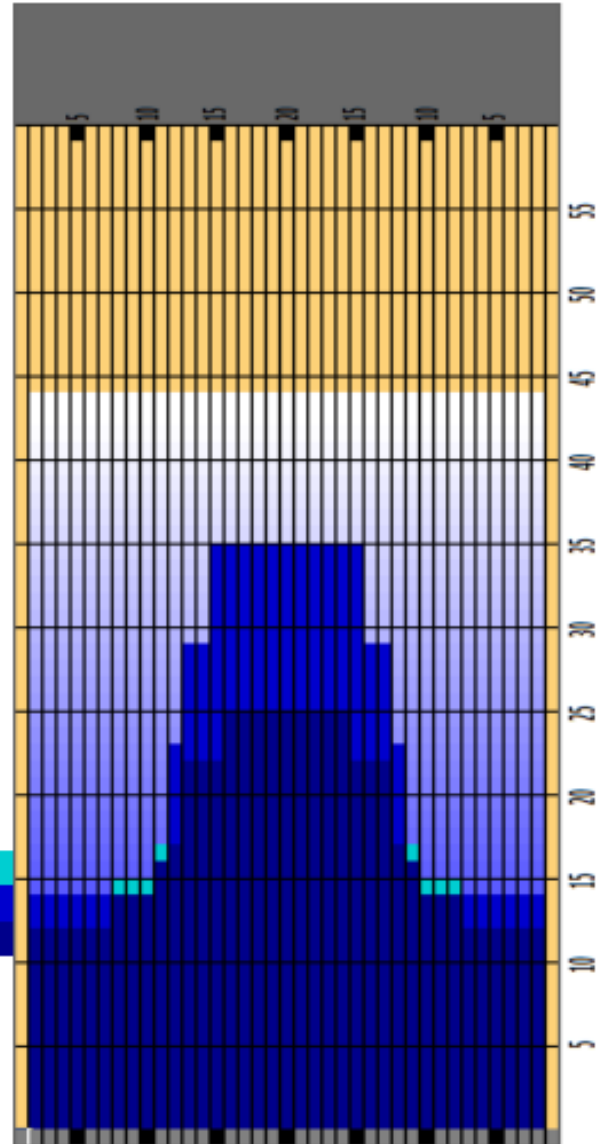
2017 Asian Indoor Games-Long



Oil Pattern Distance	44	Reverse Brush Drop	40	Oil Per Board	Multi ul
Forward Oil Total	12.2 mL	Reverse Oil Total	12.7 mL	Volume Oil Total	24.9 mL
Tank Configuration	Only A	Tank A Conditioner	ICE	Tank B Conditioner	ICE

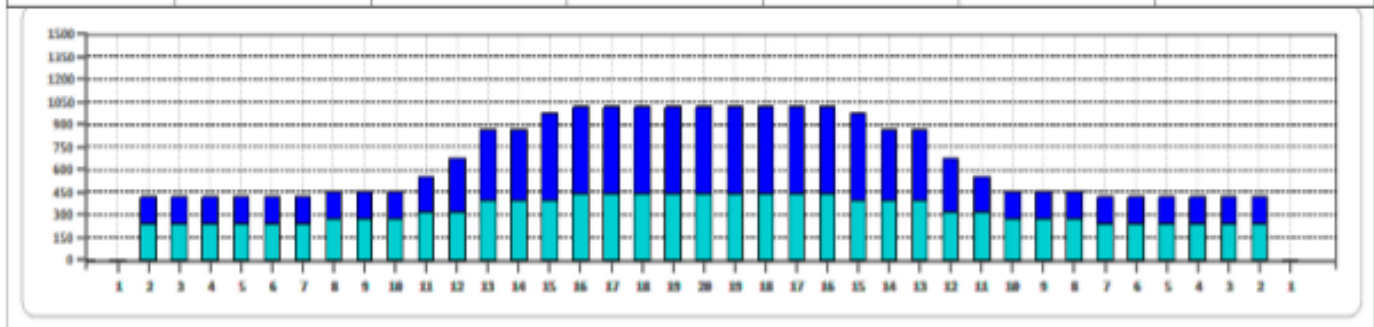
	START	STOP	LOADS	MICS	SPEED	BUFFER	CROSSED	START	END	FEET	T.OIL
1	2L	2R	6	40	18	3	222	0.0	12.7	12.7	8880
2	8L	8R	1	40	18	3	25	12.7	15.2	2.5	1000
3	11L	11R	1	40	18	3	19	15.2	17.7	2.5	760
4	13L	13R	2	40	18	3	30	17.7	22.8	5.1	1200
5	16L	16R	1	40	18	3	9	22.8	25.3	2.5	360
6	2L	2R	0	40	22	3	0	25.3	35.0	9.7	0
7	2L	2R	0	40	26	1	0	35.0	44.0	9.0	0

	START	STOP	LOADS	MICS	SPEED	BUFFER	CROSSED	START	END	FEET	T.OIL
1	2L	2R	0	50	30	1	0	44.0	35.0	-9.0	0
2	15L	15R	2	55	22	1	22	35.0	28.8	-6.2	1210
3	13L	13R	2	55	22	3	30	28.8	22.6	-6.2	1650
4	12L	12R	2	60	22	3	34	22.6	16.4	-6.2	2040
5	11L	11R	1	60	18	3	19	16.4	13.9	-2.5	1140
6	2L	2R	3	60	18	3	111	13.9	6.3	-7.6	6660
7	2L	2R	0	60	18	4	0	6.3	0.0	-6.3	0



Cleaner Ratio Main Mix NA Forward
 Cleaner Ratio Back End Mix NA Reverse
 Cleaner Ratio Back End Distance NA Combined
 Buffer RPM: 4 = 720 | 3 = 500 | 2 = 200 | 1 = 50

Item	3L-7L:18L-18R	8L-12L:18L-18R	13L-17L:18L-18R	18L-18R:17R-13R	18L-18R:12R-8R	18L-18R:7R-3R
Description	Outside Track:Middle	Middle Track:Middle	Inside Track:Middle	Middle:Inside Track	Middle:Middle Track	Middle:Outside Track
Track Zone Ratio	243	195	107	107	195	243



3.8 Clothing and Equipment

Equipment used and clothing worn by athletes and other relevant participants in competition must comply with the rules and regulations of the OCA and the Asian Bowling Federation in force.

Neither athletes nor technical officials can attach any form of commercial advertising to his or her competition uniform without prior agreement with OCA and AIMAG EC.

Ball Repairs

Ashgabat does not have a Bowling Pro-Shop either in the competition venue or elsewhere in Turkmenistan. Some ball repair and adjustment equipment will be available for use during the training and competition days in a temporary Ball Workshop installed in the Bowling Centre. Both athletes and officials should be prepared for limited resources and support.

The equipment available includes:

- Tri Oval Drilling Machine
- Ball Polishing Machine
- Vise rapid cure ball plug
- Jayhawk Ball Surface Scanner
- Jayhawk Pro Model Spinner 15-3200
- Jayhawk Precision Edge Gauge 15-5274
- Jayhawk Brand Plug Trimmer (#2 Taper 3")
- Spyder
- Turbo Pro Sect
- Bill Taylor's Fitting Ring
- Jonell Span Gauge
- Precision Ball Compass
- Jayhawk Measuring Ball
- High Speed Sander
- Classic Pro Pitch Gauge
- Insta Cure Glue
- Ultimate Donkee Insert Mold Kit
- Brunswick Plug Dams (thumb and finger)
- Jayhawk Detox – oil extraction machine

The lanes and pinsetters are by Brunswick and the Pinsetters are the Brunswick GS-X system.



3.9 Sport Information

Ashgabat 2017 will provide a sport information service at each competition venue, ensuring the efficient and accurate communication of sport specific and Games-wide information to athletes, team officials and TOs, including sport results.

To implement efficient, effective and accurate communication processes pre-Games and at Games Time, Ashgabat 2017 will seek to maximize the use of technology where available.

On-venue Sport Information Desk (SID) location and operations

The SID for bowling at the Bowling Centre is located within the entrance area. Information including schedules, results etc. will also be made available in the Competition Management Office.

SID Operating Hours

18 September to 20 September 2017	From 90 minutes before training commences until 60 minutes after the final training session ends.
21 September to 27 September 2017	From 90 minutes before competition commences until 30 minutes after competition ends.

Information and services will include:

- general sport information;
- start lists, schedules, results;
- training schedule information;
- transport schedules;
- general information from Ashgabat 2017 and OCA for NOCs; and
- lost and found services.



3.10 Competition Schedule

Date	Time	Event	Gender	Phase
21/9 (Thurs)	09:00 - 12:00	Singles	M	Squad A
	12:00 - 13:30			Lane Maintenance
	13:30 - 16:30	Singles	M	Squad B
	16:30 - 18:00			Lane Maintenance
	18:00 - 20:00	Singles	M	Quarter-Final, Semi-Final, Final
	20:00 - 20:30	Singles	M	Victory Ceremony
22/9 (Fri)	09:00 - 12:00	Singles	W	
	12:00 - 13:30			Lane Maintenance
	13:30 - 15:30	Singles	W	Quarter-Final, Semi-Final, Final
	15:30 - 16:00	Singles	W	Victory Ceremony
23/9 (Sat)	09:00 - 12:00	Doubles	M	Squad A
	12:00 - 13:30			Lane Maintenance
	13:30 - 16:30	Doubles	M	Squad B
	16:30 - 18:00			Lane Maintenance
	18:00 - 20:00	Doubles	M	Quarter-Final, Semi-Final, Final
	20:00 - 20:30	Doubles	M	Victory Ceremony
24/9 (Sun)	09:00 - 12:00	Doubles	W	
	12:00 - 13:30			Lane Maintenance
	13:30 - 15:30	Doubles	W	Quarter-Final, Semi-Final, Final
	15:30 - 16:00	Doubles	W	Victory Ceremony
25/9 (Mon)	09:00 - 12:00	Team of Four	M & W	Block 1
	12:00 - 13:30			Lane Maintenance
	13:30 - 16:30	Team of Four	M & W	Block 2
26/9 (Tues)	09:00 - 12:00	Team of Four	W	Semi-Final
	12:00 - 13:30			Lane Maintenance
	13:30 - 16:30	Team of Four	M	Semi-Final
27/9 (Wed)	09:00 - 12:00	Team of Four Team of Four	W M	FINAL
	12:00 - 12:30	Team of Four	W/M	Victory Ceremony

Note: Competition schedule subject to change.



3.11 TO Meetings' and Briefings

Technical Official's meeting:

Date: 18 September 2017

Time: 14:00-15:30

Venue: Press Conference Centre, ATC.

Team Manager's meeting:

Date: 18 September 2017

Time: 18:00-19:30

Venue: Press Conference Centre, ATC.

3.12 Training Schedules

Please see the following page for the team practice schedules to be held on the 19th and 20th September in the Bowling venue.

3.13 Competition Procedures

The introduction of athlete for semi finals and finals will be made by sports presentation, ideally before the warm up period begins.

There will be a 10 minute warm up period for singles and doubles, and a 15 minute warm up period for teams.

The countdown to all competition sessions will follow the below timings:

-90 minutes	Sports presentation starts	eg 07:30 for a 09:00 start
-85 minutes	All volunteers in position	eg 07:35 for a 9:00 start
-75 minutes	Technical Officials arrive on venue	eg 07:45 for a 09:00 start
-45 minutes	First call to the FOP for athletes and officials	eg 08:15 for a 09:00 start
-15 minutes	All Technical Officials on position	eg 08:45 for a 09:00 start for singles/ doubles*
-15 minutes	All athletes and team officials in position on FOP	eg 08:45 for a 09:00 start for singles/ doubles*
-11 minutes	Athlete warm up	eg 08:49 for a 09:00 start for singles/ doubles*
-1 minute	Sport presentation announcement	eg 08:59 for a 09:00 start for singles/ doubles*
0 minute	Competition Session Start	eg 09:00

*Timings will be adjusted by 5 minutes to allow for the 15 minute Team warm up.

There will be no commentary announcing during competition sessions.

All of the daily timings from 06:00 to 22:00 in the Bowling Venue are detailed in the DCAS (Detailed Competition Activity Schedule) maintained by the Sport Competition Management Team.

3.14 TOs' Seating

Accredited seating for Technical Officials will be allocated in a dedicated area of the Bowling venue spectator stands. Access is via the ITO's normal Field of Play entry points.

Seats will be allocated on a first-come, first-served basis.



3.12 Bowling Practice Schedule

SCHEDULE - OFFICIAL PRACTICE 19 and 20 September 2017

Starting Lane Assignment

19-Sep-17

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1st SQUAD

10:00 - 11:30	CHINA	GUAM / QATAR	HONG KONG	INDONESIA	KOREA	MACAU	INDIA / IRAN
---------------	-------	--------------	-----------	-----------	-------	-------	--------------

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

2nd SQUAD

13:00 - 14:30	KSA / UAE	PHILIPPINES	THAILAND	TURKMENISTAN	CHINESE TAIPEI	UZBEKISTAN	NEW CALEDONIA / VIETNAM
---------------	-----------	-------------	----------	--------------	----------------	------------	-------------------------

20-Sep-17

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1st SQUAD

10:00 - 11:30	KSA / UAE	PHILIPPINES	THAILAND	TURKMENISTAN	CHINESE TAIPEI	UZBEKISTAN	NEW CALDONIA / VIETNAM
---------------	-----------	-------------	----------	--------------	----------------	------------	------------------------

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

2nd SQUAD

13:00 - 14:30	CHINA	GUAM / QATAR	HONG KONG	INDONESIA	KOREA	MACAU	INDIA / IRAN
---------------	-------	--------------	-----------	-----------	-------	-------	--------------

19 September - odd lanes short and even lanes long

20 September - odd lanes long and even lanes short

Please note that each team will move to the next pair of lanes to the right every 12 minutes.



3.15 TO Facilities

The following facilities are available for Technical Officials

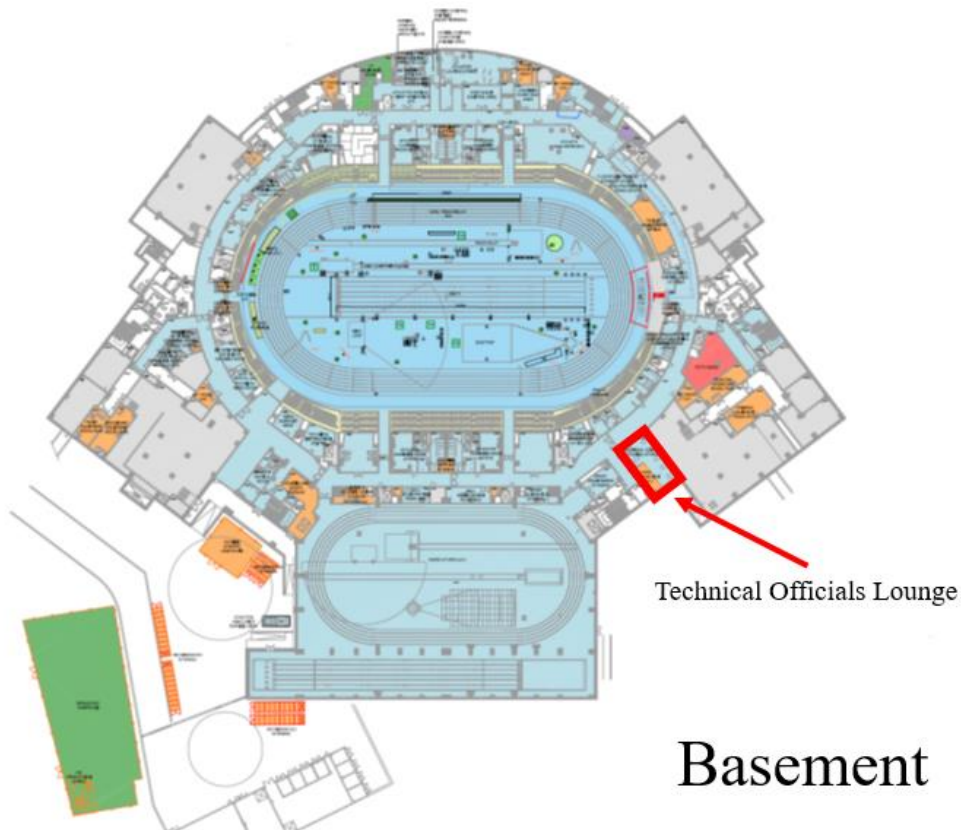
Technical Officials Refreshments:

- Instant Coffee Sachets,
- Instant Decaf Coffee Sachets
- Tea Bags
- Milk Portions
- Sugar Sachets (pre-packed 4g)
- Sugar replacement Sachets(pre-packed 4g)
- Bottled Still Water(500ml)
- Bulk Water
- Granola Bar
- Whole Fresh Fruits (banana, apples, oranges)

Technical Officials Venue Meals (TOVM):

- Breakfast: TO's will be provided with breakfast at their accommodation
- Competition Venues - Packed Meal
- 1x 500g High Carbohydrate / High Protein base offer
- 1x salad pot
- 1x Yoghurt
- 1x Bread

The TOVM's are to be delivered by the Contractor at a predetermined agreed time to the Technical Officials Lounge.





4. Venue Information

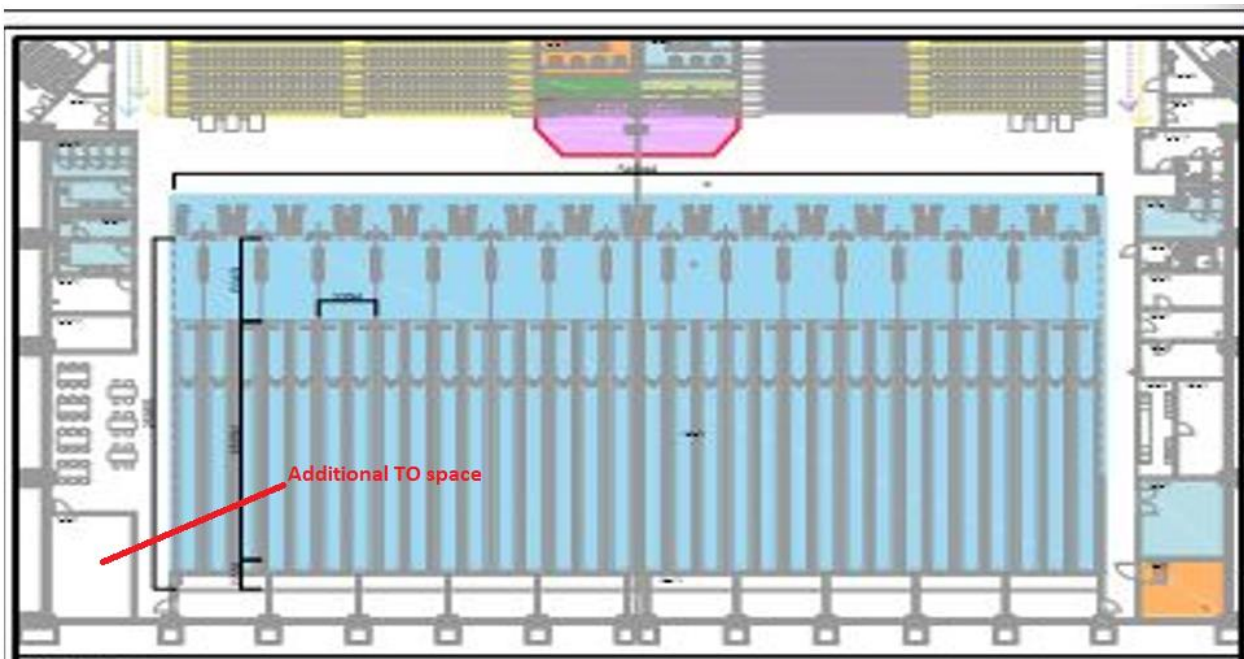
4.1 Venue Overview

Name	Bowling Center, Athletics Complex
Distance from the Athletes' Village	1km
Field of Play Size	32 Lanes
Seating Capacity	552

4.2 TOs Lounge

See section 3.15

An additional private office room (not supported by CCW for catering facilities) will be made available by the FOP in the venue for the Technical Officials use during competition time.



Aziya Olimpiya Geŋe

15-16 September



5. Host Country/City Information

5.1 Turkmenistan in Brief

Turkmenistan is located in the western part of Central Asia. The country extends 1100 km from west to east and 650 km from north to south.

The area of Turkmenistan is 491,210 km². In the south, Turkmenistan borders with Iran and Afghanistan, with Kazakhstan in the north, Uzbekistan to the north and east, and with the Caspian Sea in the west.

Over 80 percent of Turkmenistan's territory is covered by the Karakum desert, which mainly spreads across the centre of the country. Approximately 15 percent of the territory of Turkmenistan is occupied by hills and mountains. The highest peak in the country is Mount Airy Baba with an altitude of 3139 m.

Turkmenistan is divided into 5 provinces – Ahal, Balkan, Dashoguz, Lebap and Mary. Each province is divided into districts. There are 50 districts, 24 towns, including 15 district-wide towns, 76 villages and 553 rural councils (rural municipal units) and 1903 rural settlements in Turkmenistan.

Turkmenistan is a democratic, legal, secular state and its government is a presidential republic, led by President Gurbanguly Berdimuhamedov.

The Constitution of Turkmenistan is the main law of state, according to which the state structure of Turkmenistan is based on the principle of separation of powers into legislative, executive and judicial branches, which operate independently, balancing each other.

The Turkmen President is the guarantor of national independence, of the country's neutrality status, its territorial integrity, the respect for the constitution and international obligations.

On 27 October 1991 Turkmenistan became an independent state and since then this date is celebrated as the country's Independence Day.

On 12 December 1995 with the unanimous support of all 185 Member States of the United Nations General Assembly Member States Turkmenistan was recognised as a permanently neutral state.



5.2 Ashgabat in Brief

5.2.1 Introduction to Ashgabat

The capital city of Turkmenistan is Ashgabat; the largest administrative and cultural centre of the country.

The city's name comes from the words "Ashk" – love and "abad"- city, giving it the name "city of love". Ashgabat is located in the south of Turkmenistan, 25 km north of the border with Iran from which it is separated by Kopetdag mountains, while on the other side the city borders with the Karakum desert.

Settlements on the territory of modern Ashgabat date back to the Neolithic era, around 6000 BC.

5.2.2 History and Culture

Turkmenistan has been at the crossroads of Civilizations for centuries. In medieval times, Merv was one of the great cities of the Islamic world and an important stop on the Silk Road, a caravan route used for trade with China until the mid-15th century. In Turkmenistan there are over two thousand historical and cultural sites. These include open-air museums Of Ancient settlements such as Old Nisa, Kunya Urgench, Atamyrat, Ancient Dehistan, Old Sarakhs, Abiverd and Geoktepe fortress. All of them have become a place of Cultural Pilgrimage for many tourists and scientists from around the world.

5.2.3 Currency

The national currency is manat, put into circulation on November 1, 1993. Currently, the ratio of the national currency to a freely convertible currency is: 3.50 manat = 1 US dollar.

5.2.4 Population

The population of Turkmenistan is more than 6.2 million people. Turkmenistan is a multinational state. There are more than 100 nations and ethnic groups living in the country.

5.2.5 Language

Turkmen is the official state language. The educational institutions of Turkmenistan ensure learning of three languages – Turkmen, English and Russian. In addition, the higher educational institutions and some specialised secondary schools include study of French, Chinese, German, Japanese and some other foreign languages.

5.2.6 Weather Conditions

In September the average temperature in Ashgabat is 23.1 °C, with an average daily maximum of 31.5 °C and an average daily minimum of 15.4 °C (source: <http://www.ashgabat.climatemps.com/temperatures.php>).

There is only a 3 % chance of rain on any given day, and an average 9 hours and 23 minutes of sunshine per day in September.



6. Ashgabat Olympic Complex



1. Ashgabat Olympic Stadium

Ashgabat 2017 Opening and Closing Ceremonies

2. Taekwondo and DanceSport Arena

Taekwondo, DanceSport

3. Billiard Arena

Billiard Sports

4. Martial Arts Arena

Ju Jitsu, Kurash, Sambo

5. Muay Kickboxing Arena

Muaythai, Kickboxing

6. Weightlifting Arena

Weightlifting

7. Main Indoor Arena

Wrestling, Belt Wrestling, Traditional Wrestling

8. Aquatics Centre

Short Course Swimming

9. Tennis Centre

Tennis

10. Velodrome

Track Cycling

11. 3x3 Basketball Arena

3x3 Basketball

12. Indoor Athletics Arena

Indoor Athletics

13. Bowling Centre

Bowling

14. Chess Centre

Chess

15. Multifunctional Sport Venue

Futsal

16. Equestrian Centre

Equestrian Jumping

17. Athletes Village

18. Satellite Village



