

REPORT

OUTDOOR FACILITIES MEASUREMENT

This form must be sent to: technicalofficer@worldathletics.org
together with the application for one of the following:

CLASS 1 Certificate

A full certificate covering all technical aspects of the facility.

Measurement Report in accordance with the requirements of World Athletics and a Report of Synthetic Surface Field Test by an Accredited Laboratory in accordance with Rule 2 of the Technical Rules are required.

CLASS 2 Certificate

Measurement Report and current valid Product Certificate for the facility synthetic surfacing material are required.

CONFIRMATION OF COMPLIANCE

Measurement Report and the reasons why the full certification cannot be applied for are required.

Note: The technical requirements listed in the Track and Field Facilities Manual ("Manual") on the World Athletics website also need to be met for the facility to be fit for the purpose.

NAME OF FACILITY:			
City		Country	
Address			
GPS coordinates (finish line)			

Latitude and longitude in decimal degree (DD) or in deg., min., sec. (DMS); elevation, if available.

SURVEY WORK			
Company Name			
Surveyor name		Email	
Address			
Start of survey		End of survey	
Weather conditions		Temperature	
Instruments			
Theodolite		No.	
Distance meter		No.	
Last calibration date	Click or tap to enter a date.		

General Notes

- For ease of distribution and handling, the report should be in Word document or pdf format. The measurements should be typed onto the form.
- Test methods are explained.
- Distances longer than 20m are to be measured by electro optical instruments.
- Angles are to be measured by theodolite.
- Provide and attach a Certificate of Instrument Accuracy for the instruments used in the survey, current at the time of the survey (less than one year old), that can be traced back to national and international standards of measurement.
- Levels to be provided in metres to three decimal places on separate forms.
- All the information required in this form must be determined by the surveyor, and he should not rely on any measurement work that may have been done by others.
- It is not for the surveyor or others to determine whether dispensations might be provided for any non-conformity with the Rules or the specification in the Manual. These are matters for World Athletics alone to determine. Certification will be delayed until the levels on the track, runways or landing areas conform. Therefore, non-conformities should be corrected before a submission is made.
- If there are more facilities than allowed for on the form, the same information as that requested should be provided for the extra facilities. This applies also to a back straight sprint track marked for competition.
- All measurements / calculations of length must be to the nearest mm.
- No negative tolerances are allowed in the measured distance of races.
- The surveyor must report any unusual situations not covered specifically by this proforma, that might affect the proper and safe conduct of a competition e.g. runways or track lanes which have extreme local lateral or overall inclinations, depressions or humps, bubbling or torn synthetic surface, loose or damaged kerbing.

GENERAL CONDITIONS

All tracks intended for use for international competition must conform to the stringent requirements for accurate measurement contained in Rules and, more specifically, in the Track and Field Facilities Manual.

The Measurement Report duly completed by a fully qualified surveyor is one of the requirements to issue CLASS 1 or CLASS 2 Athletic Facility Certificate.

Application for an Athletic Facility Certification may be made by an agent on behalf of the track owner but should be signed by the track owner as World Athletics will require an undertaking that any changes, (relining etc.) will be immediately notified to the Office.

Certificates issued under this scheme will normally be valid for five years. In the event of track remarking, World Athletics shall be informed, and a new Measurement Report must be provided.

All removable competition equipment such as hurdles, steeplechase hurdles, landing mats, stop boards, throwing cages have to be inspected before a competition and are not part of this Report. The same applies to the level of the sand in the horizontal jump landing pits and the level of the water in the steeplechase water jump.

OWNER OF FACILITY/STADIUM:			
Address			
City		Country	
Email		Tel	
Signature (scanned accepted)		Date	Click or tap to enter a date.

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FACILITY

A. Construction Category

1. Competition Arena						
<i>Provide a layout drawing and photo of the facility in attachment. Please show a north point. For determining the Construction Category, a single runway would normally have landing areas or Pole Vault boxes at each end or at the centre. Based on the below information, the Construction Category will be determined during the review of the Measurement Report. Write the number of event facilities in the boxes below.</i>						
400m Standard Track	<input type="checkbox"/> Y <input type="checkbox"/> N	Other				m
Number of oval lanes		Number of straight lanes				
Water jump for the Steeplechase	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Inside <input type="checkbox"/> Outside				
Facility for Long and Triple Jump	total	Landing area	<input type="checkbox"/> each end	<input type="checkbox"/> one end	<input type="checkbox"/> centre	
Facility for High Jump						
Facility for Pole Vault	total	Runway	<input type="checkbox"/> each end	<input type="checkbox"/> one end	<input type="checkbox"/> centre	
Facility for Shot Put						
Facility for Discus and Hammer Throw combined						
Facility for Discus Throw only		Facility for Hammer Throw only				
Facility for Javelin Throw						
Permanent ancillary space at the competition arena <i>(e.g. for conditioning, physiotherapy, resting of athletes (Manual Chapter 4))</i>					m ²	
Full facilities for spectators <i>(Indicate the number of spectators fully catered for)</i>						
Notes						

2. Warm-up Area					
Warm-up track provided					<input type="checkbox"/> Y <input type="checkbox"/> N
Surface of similar type to the main track					<input type="checkbox"/> Y <input type="checkbox"/> N
Track length	m	No. of oval/straight lanes		o/	s
Jumping events	HJ	PV	LJ	TJ	
Throwing events <input type="checkbox"/> separate field	SP	DT	HT	JT	
If there is no warm-up track, is an adjacent park or playing field available?					<input type="checkbox"/> Y <input type="checkbox"/> N
If yes, size					
Permanent ancillary space at the warm up					m ²
Notes					

TRACK EVENTS

B. 400m Standard Track

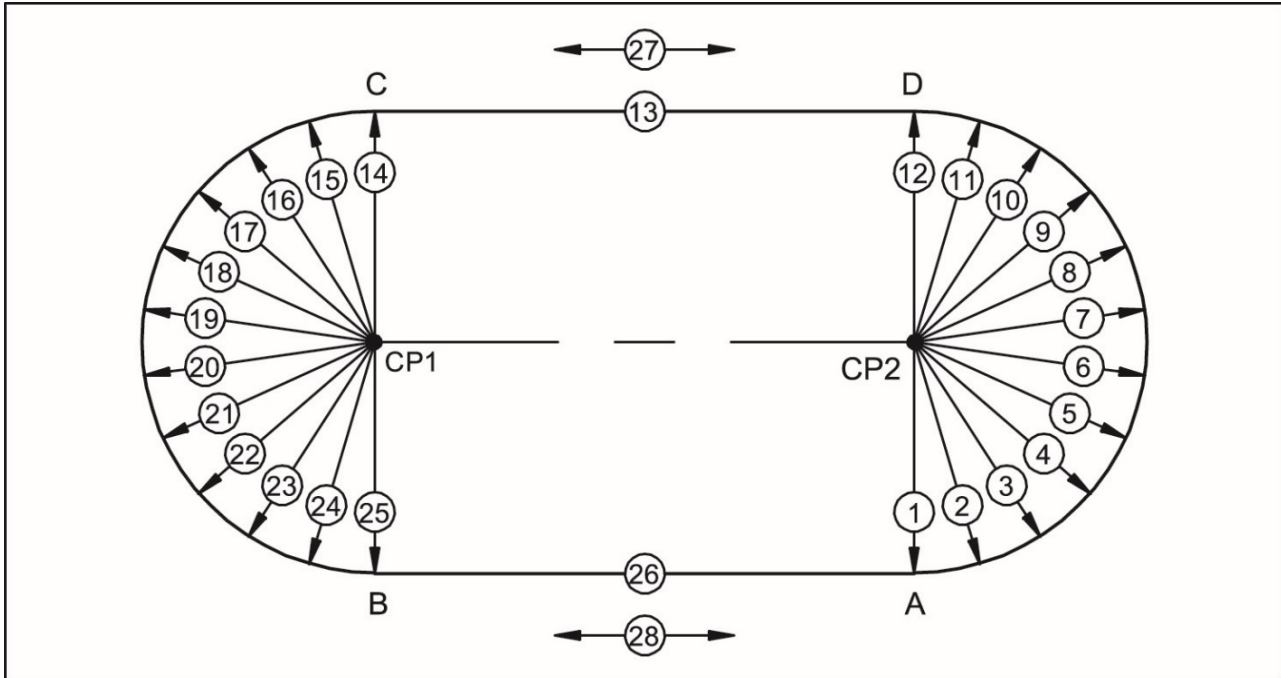
1. Track - Design Dimensions			
Radius	m	Radii if double bend	m m m
Distance between Centre Points	m	Length of construction (planning size) at inside border	m
Nominal measuring length (length of Running Line)			m
Inner kerb	Height m	Width	m
Kind of inside border (Kerb) (e.g. aluminium)			
Number of oval lanes			
Sprint lanes main side	Number	Length	m
Sprint lanes second side*	Number	Length	m
<i>*If yes, please provide, on a separate sheet, levels and measurements for it to be incl. in the certificate.</i>			
Width of lanes (planning size)			m
The line on the right-hand side of each lane, in the direction of running, is included in the measurement of the width of each lane			
Width of track (planning size)			m
Safety zone inside	m	Safety zone outside	m
<i>If the safety zones inside and outside the track are individually less than 1 metre then the nature of the obstruction(s) should be described and photographs provided. The most obvious infield obstructions are likely to be a throwing safety cage or an inside steeplechase water jump.</i>			
Notes			

2. Track and Runway Surface			
See list : https://www.worldathletics.org/about-iaaf/documents/technical-information			
Track surface product name			
Name of manufacturer			
Certification number		Absolute thickness	mm
Installation company			
Address			
Date of installation		Email	
Line marking company			
Line marker's name		Date of marking	
Notes			

3. Length of the Track

3.1. Dimensional Accuracy of the 400m Standard Track

The dimensional accuracy is measured in the 28-point control readings on the outside edge of the inner line of each lane.



Record of 28-point control measurement:

L= Measured length of radii 1-12 and 14-25

R= Desired length of radii for each lane (R_1, R_2, R_3, \dots)

S= Measured length of the straights 13 and 26 (along each lane running line)

M= Desired length of each straight: is m

D= Deviation from desired value in millimetres (L-R), (S-M)

A= Measurements 27 and 28: alignment of the straights (the measured length of the straight at the kerb or inside white line edge compared with the measurement at the outside edge of the outer lane)

Permitted deviation from desired value for 1-26: $\pm 0.005\text{m}$

Permitted deviation from alignment for 27 and 28: $\pm 0.01\text{m}$

Permitted tolerance of the running length: $+0.040\text{m}$ max.

(Record of Control Measurement for Double Bend tracks - see in a separate document on the website)

N°	Angle	Lane 1		Lane 2		Lane 3		Lane 4		Lane 5		Lane 6		Lane 7		Lane 8		(Lane 9)	
		R ₁ =	m	R ₂ =	m	R ₃ =	m	R ₄ =	m	R ₅ =	m	R ₆ =	m	R ₇ =	m	R ₈ =	m	R ₉ =	m
		L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D
	gon	m	mm	m	mm	m	mm	m	mm	m	mm	m	mm	m	mm	m	mm	m	mm
1	0.000																		
2	18.200																		
3	36.400																		
4	54.500																		
5	72.700																		
6	90.900																		
7	109.100																		
8	127.300																		
9	145.500																		
10	163.600																		
11	181.800																		
12	200.000																		
Averaged	1-12																		
× π																			
14	0.000																		
15	18.200																		
16	36.400																		
17	54.500																		
18	72.700																		

19	90.900																		
20	109.100																		
21	127.300																		
22	145.500																		
23	163.600																		
24	181.800																		
25	200.000																		
Averaged	14-25																		
× π																			

*The average radii shall be recorded to four decimal places. (Value of π computer generated.)
If any "D" value exceeds ± 5mm then the lane width should be checked to ensure that it is 1.22m ± 0.01m.*

13	S																		
26	S																		
27	A																		
28	A																		

3.2. Calculation of the Length (Inside Border)

Length

The bend lengths and length deviations shall be calculated to three decimal places using bend average radii and differences to four decimal places.

Lane 1	Distance	Angle	Length
Average radius curve A - D	m	200.000 gon	m
Average radius curve C - B	m	200.000 gon	m
Straight C – D (13)	n/a	n/a	m
Straight A – B (26)	n/a	n/a	m
Length of the inside border	n/a	n/a	m

Deviation from the running length

The deviation of the length of the inside border added to the planning length of the track from page 5 should also give the Theoretical Running Distance.

Lane 1	Distance Deviation	Angle	Length Deviation
Average deviation from desired value A - D	m	200.000 gon	m
Average deviation from desired value C - B	m	200.000 gon	m
Straight C – D (13)	n/a	n/a	m
Straight A – B (26)	n/a	n/a	m
Length of the inside border	n/a	n/a	m

3.3 Calculation of the Running Distance

Length of inside border		m (+)
Theoretical Running Line (at 0.30m)	$0.300 \times \pi \times 2$	1.885m (+)
Theoretical Running Distance (TRD)		= m

3.4 Certification of the Length

Control of the inside lane running line length of track gives a length greater than 400m	<input type="checkbox"/> Y <input type="checkbox"/> N
The calculated difference of m (TRD-400m) is inside the permitted tolerance of +0.040m laid down in the Manual	<input type="checkbox"/> Y <input type="checkbox"/> N
The running line length of the inside lane was calculated at 0.30 metres outward from the outer edge of the kerb	<input type="checkbox"/> Y <input type="checkbox"/> N
The running line lengths of the other lanes were calculated at 0.20 metres outward from the outer edges of the lines	<input type="checkbox"/> Y <input type="checkbox"/> N

Direction of running is left-hand inside. Lanes are numbered with the left hand inside lane as 1	<input type="checkbox"/> Y <input type="checkbox"/> N		
Distance before 110m start line(s)*	m	Straight distance (run-out) after finish	m

*If < 3m before the 110m start for 1 or more lanes, provide a sketch showing the clearance for each lane. If there is a 2nd straight, provide the distances achieved before the 110m start and after the finish line.

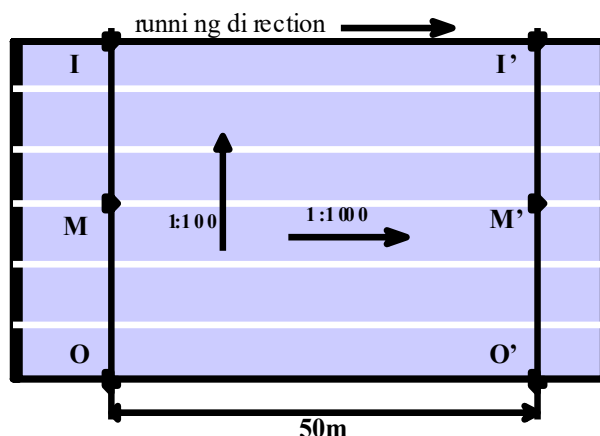
4. The Incline of the Track

Please use separate drawings (proformas to be used are available on the website) for providing the required spot levels.

It is essential that reduced levels not grades be provided at the intervals as requested on the proforma.

For ease of checking, it will assist if the level at the Finish Line is assumed to be 0.000m.

Test method: three check-points should be taken in a line: inside lane one, in the centre of the track and outside the outer lane. Levels need to be provided at 200m, at the Finish Line on the oval track, and at the 100m and 110m start in the main straight.



If there are sprint lanes on the second side, then levels and measurements must be provided for this additional sprint track for it to be included on the certificate.

If there are more straight sprint lanes than oval lanes, provide levels on the straight at the outside lane as well, on the lane corresponding to the number of oval lanes. This applies also to a back straight sprint track marked for competition.

The sign convention for World Athletics for the inclinations is that an upward inclination in the direction of running is positive.

4.1 Lateral Incline

The lateral inclination of the track is towards the inside lane	<input type="checkbox"/> Y <input type="checkbox"/> N
The lateral inclination of the track less than 1:100 (1.0%)	<input type="checkbox"/> Y <input type="checkbox"/> N

4.2 Overall Incline

The overall inclination of the track in the running direction from starts to finish is less than 1:1000 (0.1%) downwards	<input type="checkbox"/> Y <input type="checkbox"/> N
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Notes

5. International Markings on the Track

5.1 General

All lanes are marked by white lines	<input type="checkbox"/> Y <input type="checkbox"/> N
All markings are 0.05m wide	<input type="checkbox"/> Y <input type="checkbox"/> N
All start lines (except for curved start lines) and the finish line are marked at right angles to the lane lines	<input type="checkbox"/> Y <input type="checkbox"/> N
The staggered starts for 800m events are marked so that the first bend has to be run in separate lanes. The position of the start lines and the arced green breakline 0.05m wide at the beginning of the following straight are as given in the Manual	<input type="checkbox"/> Y <input type="checkbox"/> N
The outer curved start lines for 1000m, 2000m, 3000m, 3000mSC (optional), 5000m and 10,000m are marked in a way that all competitors will run the same distance. A green mark 0.05m × 0.05m on the line between lanes 4 and 5 at the beginning of the following straight indicates where athletes starting in the outer group may join the runners of the inner group.	<input type="checkbox"/> Y <input type="checkbox"/> N
The 4 tangent points on the 2 straights, the points where the steeplechase curve meets a straight and the intersection of different radii curves on the steeplechase curve or double bend track are marked in a distinctive colour 0.05m × 0.05m on the white line of the inner lane	<input type="checkbox"/> Y <input type="checkbox"/> N
The following curved start lines are extended to the extent of the available synthetic:	
1500m <input type="checkbox"/> Y <input type="checkbox"/> N 5000m <input type="checkbox"/> Y <input type="checkbox"/> N 10,000m <input type="checkbox"/> Y <input type="checkbox"/> N	
The 4 × 400m start lines are in accordance with the Manual (cf. 5.5 Int'l Relay Races)	<input type="checkbox"/> Y <input type="checkbox"/> N
Intersection of lane lines and finish line is painted black in a suitable design to assist alignment of the Photo Finish equipment and to facilitate the reading of the Photo Finish image	<input type="checkbox"/> Y <input type="checkbox"/> N
Immediately before the finish line, the lanes are marked with numbers with a minimum height of 0.50m read in the direction of running or from the outside of the track (optional) with the left-hand inside lane numbered 1	<input type="checkbox"/> Y <input type="checkbox"/> N
White lines, 0.03m wide and 0.80m (0.40m at 2m) long, are marked 1m, 3m and 5m before the finish line (optional)	<input type="checkbox"/> Y <input type="checkbox"/> N
Notes	

5.2 International Starts

The following international starts are marked on the track:

Races entirely or partly in separate lanes

100m	white	straight	In separate lanes	<input type="checkbox"/> Y <input type="checkbox"/> N
110m				<input type="checkbox"/> Y <input type="checkbox"/> N
200m		<input type="checkbox"/> Y <input type="checkbox"/> N		
400m		<input type="checkbox"/> Y <input type="checkbox"/> N		
800m	white / green / white	oval	In first bend in separate lanes	<input type="checkbox"/> Y <input type="checkbox"/> N
4 × 400m	white / light blue / white		three bends in separate lanes	<input type="checkbox"/> Y <input type="checkbox"/> N

Curved starts

800m	white	lane 1-8	2 full laps	<input type="checkbox"/> Y <input type="checkbox"/> N	
2000m			5 full laps	<input type="checkbox"/> Y <input type="checkbox"/> N	
10,000m			25 full laps	<input type="checkbox"/> Y <input type="checkbox"/> N	
2000m	white	outer start lanes 5-8	5 full laps	first bend in L 5	<input type="checkbox"/> Y <input type="checkbox"/> N
10,000m			25 full laps		<input type="checkbox"/> Y <input type="checkbox"/> N
1000m	white	lane 1-8	2 full laps + 200m	<input type="checkbox"/> Y <input type="checkbox"/> N	
3000m			7 full laps + 200m	<input type="checkbox"/> Y <input type="checkbox"/> N	
5000m			12 full laps + 200m	<input type="checkbox"/> Y <input type="checkbox"/> N	
1000m	white	outer start lanes 5-8	2 full laps + 200m	first bend in L 5	<input type="checkbox"/> Y <input type="checkbox"/> N
3000m			7 full laps + 200m		<input type="checkbox"/> Y <input type="checkbox"/> N
5000m			12 full laps + 200m		<input type="checkbox"/> Y <input type="checkbox"/> N
1500m	white	lane 1-8	3 full laps + 300m	<input type="checkbox"/> Y <input type="checkbox"/> N	
Mile	white	lane 1-8	4 full laps + 9.34m	<input type="checkbox"/> Y <input type="checkbox"/> N	
2000m	white	lanes 1-8	→ C. Steeplechase track	<input type="checkbox"/> Y <input type="checkbox"/> N	
3000m				<input type="checkbox"/> Y <input type="checkbox"/> N	
3000m		lanes 5-8	(optional)	<input type="checkbox"/> Y <input type="checkbox"/> N	

Notes

5.3 Start Measurement

All measurements shall be in metres (m) to three decimal places.

No negative tolerances are allowed in the measured distance of races. The deviation from the running length of all start lines must not exceed $+0.0001 \times L$ nor be less than 0.000m where L is the length of the race in metres.

All distances were measured in a clockwise direction from the edge of the finish line nearer to the start to the edge of the start line farther from the finish	<input type="checkbox"/> Y <input type="checkbox"/> N
The measurement of the curved start lines ensures that all runners start the same distance from the finish	<input type="checkbox"/> Y <input type="checkbox"/> N

Measured Distance to Finish Line

Start	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6	Lane 7	Lane 8	(Lane 9)
100m									
110m									
200m									
400m									
800m									
4 × 400m									

If there are sprint lanes on the second side then measurements must be provided for this additional sprint track for it to be included on the certificate.

Measured Distance to Finish Line on the second side

Start	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6	Lane 7	Lane 8	(Lane 9)
100m									
110m									

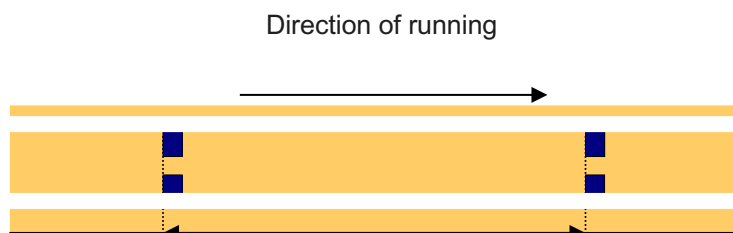
Measured Distance to Finish Line First Lap

Curved Start	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6	Lane 7	Lane 8	(Lane 9)
1500m									
1000m 3000m 5000m									
800m 2000m 10,000m									
1000m 3000m 3000mSC* 5000m	Outer start lane 5-8								
2000m 10,000m									

**optional*

Notes

5.4 International Hurdle Events



The distances between the hurdles are measured from front to front of the marker.
For blue marks on blue coloured tracks, red colour should be used.

The following hurdle events are marked on the track and the measured distances to Finish Line (m):

Tolerance on hurdle distances ± 0.01 for 100m and 110m; ± 0.03 for 400m.

	10th	9th	8th	7th	6th	5th	4th	3rd	2nd	1st
100mH										
110mH										
400mH										

If there are sprint lanes on the second side then measurements must be provided for this additional sprint track for it to be included on the certificate.

The following hurdle events are marked on the 2nd side and the measured distances to Finish (m):

	10th	9th	8th	7th	6th	5th	4th	3rd	2nd	1st
100mH										
110mH										

110m Hurdles (Men)	blue rectangle	0.10m × 0.05m	<input type="checkbox"/> Y <input type="checkbox"/> N
100m Hurdles (Women)	yellow rectangle	0.10m × 0.05m	<input type="checkbox"/> Y <input type="checkbox"/> N
400m Hurdles (Men / Women)	green rectangle	0.10m × 0.05m	<input type="checkbox"/> Y <input type="checkbox"/> N

There are ten flights of hurdles marked in each lane. The distances between the hurdles in each lane are in accordance with the table in the Rule.	<input type="checkbox"/> Y <input type="checkbox"/> N
The markings are on the left and right side in each lane. Markings, sizes and colours are in accordance with the Manual Marking Plan.	<input type="checkbox"/> Y <input type="checkbox"/> N

Notes

5.5 International Relay Races

The following international relays are marked on the track and the measured distances to the finish are (m):
 In the 4 × 100m relay, the 3rd runner scratch line and the 2nd runner scratch line in each lane correspond with the 200m and 300m starts respectively and, consequently, should have the same measurements.

For the blue marks on blue coloured tracks, red colour should be used.

4 × 100m Relay - Measured Distance to Finish

Takeover zone length 30m ± 0.02m, with the scratch line 20m from the start of the zone.

Takeover zone		Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6	Lane 7	Lane 8	(Lane 9)
4th	End: yellow line									
	Scratch line: white									
	Start: yellow line									
3rd	End: yellow line									
	Scratch line: white									
	Start: yellow line									
2nd	End: yellow line									
	Scratch line: white									
	Start: yellow line									

The dimensions of the relay takeover zones are in accordance with the rule.	<input type="checkbox"/> Y <input type="checkbox"/> N
Marking sizes and colours are in accordance with the Manual Marking Plan.	<input type="checkbox"/> Y <input type="checkbox"/> N

4 × 400m Relay - Measured Distance to Finish

Takeover zone length 20m ± 0.02m, with the scratch line as centre.

The 2nd runner middle (scratch line) corresponds with the 800m start in each lane. For ease of compilation and checking, these measures may also be quoted as 800m measures.

Takeover zone		Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6	Lane 7	Lane 8	(Lane 9)
2nd runner	End: blue line									
	Middle: white and green line									
	Start: blue line									

All the first leg (first runner) and the first bend of the second leg (second runner) is run in separate lanes up to the breakline marked at the end of the first bend.	<input type="checkbox"/> Y <input type="checkbox"/> N
The dimensions of the relay takeover zones are in accordance with the rule.	<input type="checkbox"/> Y <input type="checkbox"/> N
Marking sizes and colours are in accordance with the Manual Marking Plan.	<input type="checkbox"/> Y <input type="checkbox"/> N

Notes

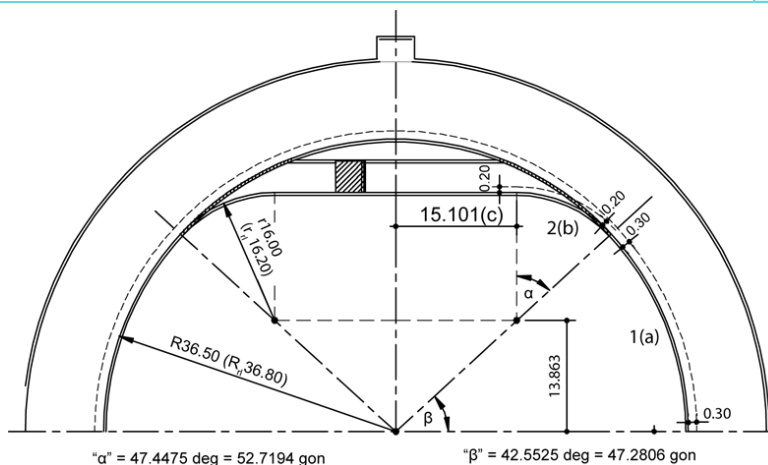
C. Steeplechase Track

1. Track Details with Inside Water Jump

If the water jump Steeplechase curve is kerbed, then the curve shall be measured 0.30m out from the curve otherwise the curve is measured 0.20m out from the painted inside border.

The Steeplechase track has an inside kerb	<input type="checkbox"/> Y <input type="checkbox"/> N
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Length / Angle		Measured
Radius of inner lane	R	m (=)
Theoretical running line of the track	L	m (=)
Theoretical running line of the Steeplechase track	I	m (=)
Axis (distance between Centre Points)	S	m (=)
Radius of Steeplechase track kerb / inside line	r	m (=)
Angle 1 Track	β	$^{\circ}$ (=)
Angle 2 Steeplechase	α	$^{\circ}$ (=)



If the curve is not symmetrical, provide additional measure in the table above.

1.1 Calculation of the Steeplechase Lap (Water Jump Inside):

Length		Measured
Curve 1 (running track)	a	m (+)
Curve 2 (Steeplechase)	b	m (+)
Straight section to centre line	c	m (+)
Half steeplechase track (a+b+c)	z	m (=)
Full symmetrical Steeplechase track (2z)	d	m (=)
Curve D-A	e	m (+)
Straight A-B	f	m (+)
Straight C-D	g	m (+)
Steeplechase Lap (d+e+f+g)	h	m (=)

1.2 Steeplechase Start Positions (Water Jump Inside):

	Theoretical	Measured	Difference	Location
2000m Steeplechase	$2000-5h=$ m	m	m	in front of A
3000m Steeplechase	$3000-7h=$ m	m	m	in front of A

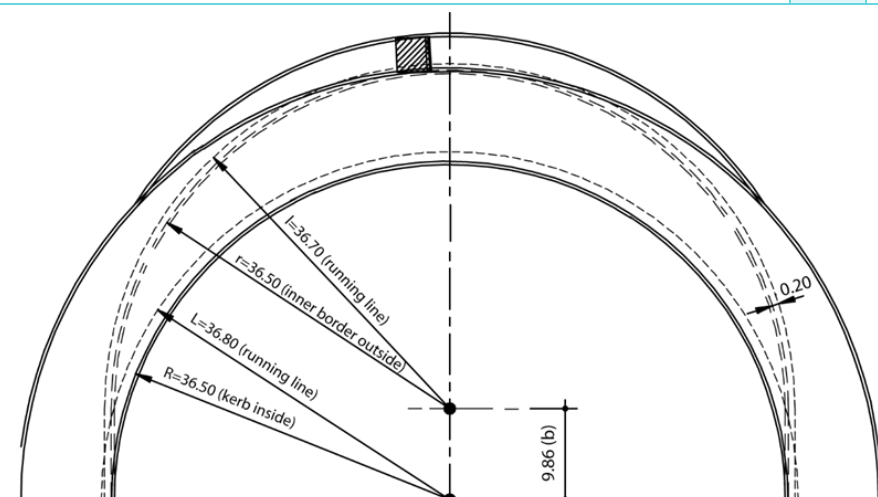
Allow for an extra +0.02m margin when marking the starts

2. Track Details with Outside Water Jump

If the water jump steeplechase curve is kerbed, then the curve shall be measured 0.30m out from the curve otherwise the curve is measured 0.20m out from the painted inside border.

The Steeplechase track has an inside kerb	<input type="checkbox"/> Y <input type="checkbox"/> N
---	---

Length		Measured
Radius of inner lane	R	m (=)
Theoretical running line of the track	L	m (=)
Theoretical running line of the Steeplechase track	l	m (=)
Radius of Steeplechase track kerb / inside line	r	m (=)



2.1 Calculation of the Steeplechase Lap (Water Jump Outside):

Length		Measured
Water jump curve	a	m (+)
Two transition straights	b	m (+)
Steeplechase track (a+b)	d	m (=)
Curve D-A	e	m (+)
Straight A-B	f	m (+)
Straight C-D	g	m (+)
Steeplechase Lap (d+e+f+g)	h	m (=)

2.2 Steeplechase Start Positions (Water Jump Outside):

	Theoretical	Measured	Difference	Location
2000m Steeplechase	5h-2000= m	m	m	after A
3000m Steeplechase	7h-3000= m	m	m	in front of A

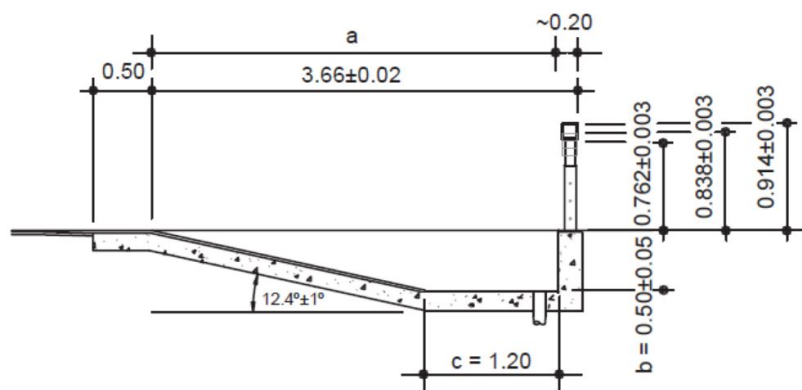
Allow for an extra +0.02m margin when marking the starts.

3. Steeplechase Hurdle Positions

The marked distance between the hurdle positions (ca. 1/5 of the length of the Steeplechase Lap):

Hurdle	1-2	2-3	3-4	4-5	5-1
Water jump inside	m	m	m	m	m
Water jump outside	m	m	m	m	m
	3000mSC			2000mSC	
Finish line to 1st hurdle			m	n/a	
5th hurdle to finish line			m	n/a	
Start line to first hurdle jumped			m		

4. Water Jump		Measured		
Length including the hurdle		m		
Width inside		m		
Length inside pit	a	m		
Depth	b	m		
Floor length	c	m		
Slope Angle	$(\tan^{-1} b/(a-c))$	°		
Hurdle length		m		
		MEN	U18 MEN	WOMEN
Hurdle height		m	m	m
Notes				



If the hurdle is not as shown above e.g. the hurdle supporting posts are fixed directly to the face of the pit wall then a sketch of the arrangement with dimensions must be provided.

FIELD EVENTS

Please use separate drawings (proformas to be used are available on the website) for providing the required spot levels. The Field Event facilities shall be identified by letters and numbers which coincide with those used in the Measurement Report and on the site plan for those facilities.

Provide reduced levels not grades on each of the runways at the intervals as requested on the proforma including all the take-off board(s), landing areas and at the planter boxes as appropriate.

For ease of checking, it will assist if the level on the pole vault box, take-off, throws circle and javelin throwing arc centre is assumed to be 0.000m.

The sign convention used by World Athletics for inclinations is that an upward inclination in the direction of running or throwing is positive. (For throws, at any radius, the lowest level is compared with the level at the centre of the appropriate throwing circle or javelin throwing arc to determine the inclination.)

D. Facilities for Jumping Events

1. Facility for High Jump		Area A	Area B
Runway	Length (m)		
	Does this length include part of the track?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Take-off area	It is level or the inclination complies with the rule	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Inclination	The maximum overall inclination in the last 15m of the runway and take-off area is less than 1:167 (0.6%) in the direction of the centre of the crossbar	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

Provide runway radial levels at the centre of the take offs (0.000m) and 15m from the centre of each High Jump take off.

2. Facility for Pole Vault		Area A1	Area B1	Area A2	Area B2
<i>It is necessary that the questions for both ends of each runway be answered as the different direction of running could result in a different answer particularly regards the overall inclination in the direction of running.</i>					
Runway	Length	m	m	m	m
	Width	m	m	m	m
	It is marked by white lines 0.05m in width	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	There are marks beside the runway at each 0.5m between points 2.5m to 5m from the "0" line and at each 1m from 5m to 18m	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Inclination	The maximum lateral inclination of the runway is less than 1:100	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	In the last 40m of the runway, the overall downward inclination in the running direction is less than 1:1000	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Pole Vault box	Size, material and construction are in accordance with the rule	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Zero line	A white line, 0.01m wide, is drawn at right angles to the axis of the runway, in line with the top back end of the box	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

Provide runway levels at the box (0.000m) and at 40m from each Pole Vault box.

3. Facility for Long Jump		Area A1	Area B1	Area A2	Area B2
<i>It is necessary that the questions for both ends of each runway be answered as the different direction of running could result in a different answer particularly regards the overall inclination in the direction of running.</i>					
Runway	Length	m	m	m	m
	Width	m	m	m	m
	It is marked by white lines 0.05m in width	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Inclination	The maximum lateral inclination of the runway is less than 1:100	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	In the last 40m of the runway, the overall downward inclination in the running direction is less than 1:1000	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Take-off board	It is in accordance with the rule	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	Distance between the take-off line and the far end of the landing area	m	m	m	m
	Distance between the take-off line and the nearer end of the landing area	m	m	m	m
Landing area	Total width	m	m	m	m
	The axis of the runway is in line with the centre line of the landing area	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
<i>Provide levels at each take-off board (0.000m), 40m from each Long Jump take-off board and at the landing area kerb four corners. If there are multiple horizontal jump runways using a common landing area that must have temporary taping during competition to limit the landing area width to 3.00m maximum, then additional levels shall be provided where the temporary taping will intersect the landing area surround.</i>					

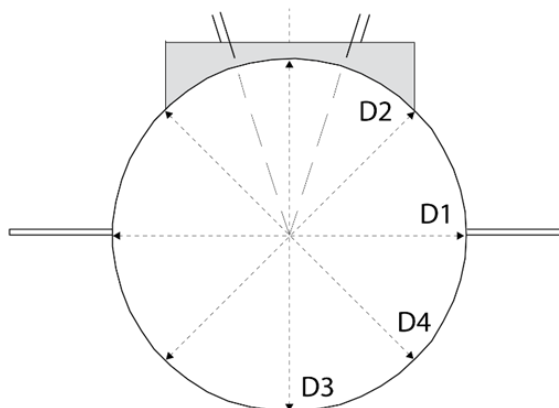
Notes

4. Facility for Triple Jump			Area A1	Area B1	Area A2	Area B2
<i>It is necessary that the questions for both ends of each runway be answered as the different direction of running could result in a different answer particularly regards the overall inclination in the direction of running.</i>						
Runway	Length	Men	m	m	m	m
		Women	m	m	m	m
	Width		m	m	m	m
	It is marked by white lines 0.05m in width		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Inclination	The maximum lateral inclination of the runway is less than 1:100		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	In the last 40m of the runway, the overall downward inclination in the running direction is less than 1:1000		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Take-off board	It is in accordance with the rule		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	Distance between the take-off line and far end of the landing area	Men	m	m	m	m
		Women	m	m	m	m
	Distance between the take-off line and the nearer end of the landing area	Men	m	m	m	m
Women		m	m	m	m	
Landing area	Total width		m	m	m	m
	The axis of the runway is in line with the centre line of the landing area.		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
<i>Provide levels as at Long Jump. Please use a separate form for each Triple Jump board.</i>						
Notes						

E. Facilities for Throwing Events

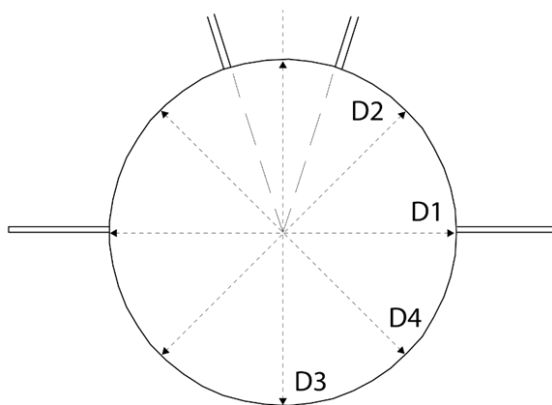
1. Facility for Shot Put		Circle A	Circle B	Circle C	
Circle	The material complies with the rule	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The top of the rim is flush with the ground outside	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	White lines (min. 0.75m) are drawn from the top of the rim	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	Material of the interior surface				
	Surface is level and lower than upper edge of rim	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The metal rim is min. 6mm thick and is painted white	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	D1 <i>Depth to be provided at each end of the diameter.</i>	Diameter	m	m	m
		Depth	m	m	m
		Depth	m	m	m
	D2	Diameter	m	m	m
		Depth	m	m	m
		Depth	m	m	m
	D3	Diameter	m	m	m
		Depth	m	m	m
		Depth	m	m	m
	D4	Diameter	m	m	m
		Depth	m	m	m
Depth		m	m	m	
Depth at centre (m)		m	m	m	
Landing sector	It consists of (material):				
	The maximum overall downward inclination in the putting direction does not exceed 1:1000	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
<i>Provide levels at the centre of the circles (0.000m), and for the landing areas at the 10m, 15m, 20m and 25m arcs at the two sector extremities and the centreline.</i>					

The stop board must be checked before a competition.

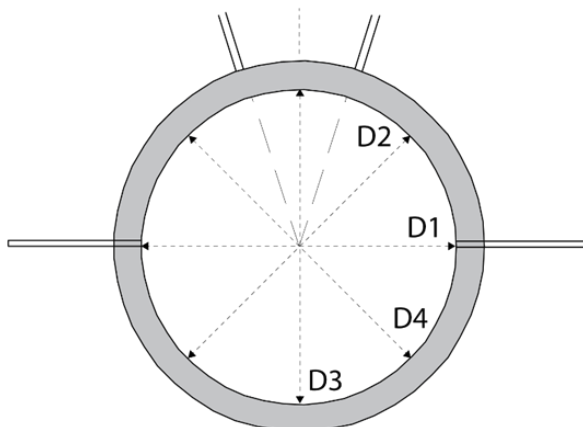


2. Facility for Discus Throw		Circle A	Circle B	
Circle	The material used complies with the Rule	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The top of the rim is flush with the ground outside	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	White lines are drawn from the top of the metal rim	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	Material of the interior surface:			
	The surface is level and lower than the upper edge of the rim of the circle	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The rim is min. 6mm thick and is painted white	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	D1	Diameter	m	m
		Circle depth	m	m
		Circle depth	m	m
	D2	Diameter	m	m
		Circle depth	m	m
		Circle depth	m	m
	D3	Diameter	m	m
		Circle depth	m	m
		Circle depth	m	m
	D4	Diameter	m	m
Circle depth		m	m	
Circle depth		m	m	
	Circle depth at centre	m	m	
Landing sector	It consists of (material):			
	The maximum overall downward inclination in the putting direction does not exceed 1:1000	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	

Provide levels at the centre of the circles (0.000m), and for the landing areas at the 30m, 50m, 70m and 80m arcs at the two sector extremities and the centreline. Depth to be provided at each end of the diameter.



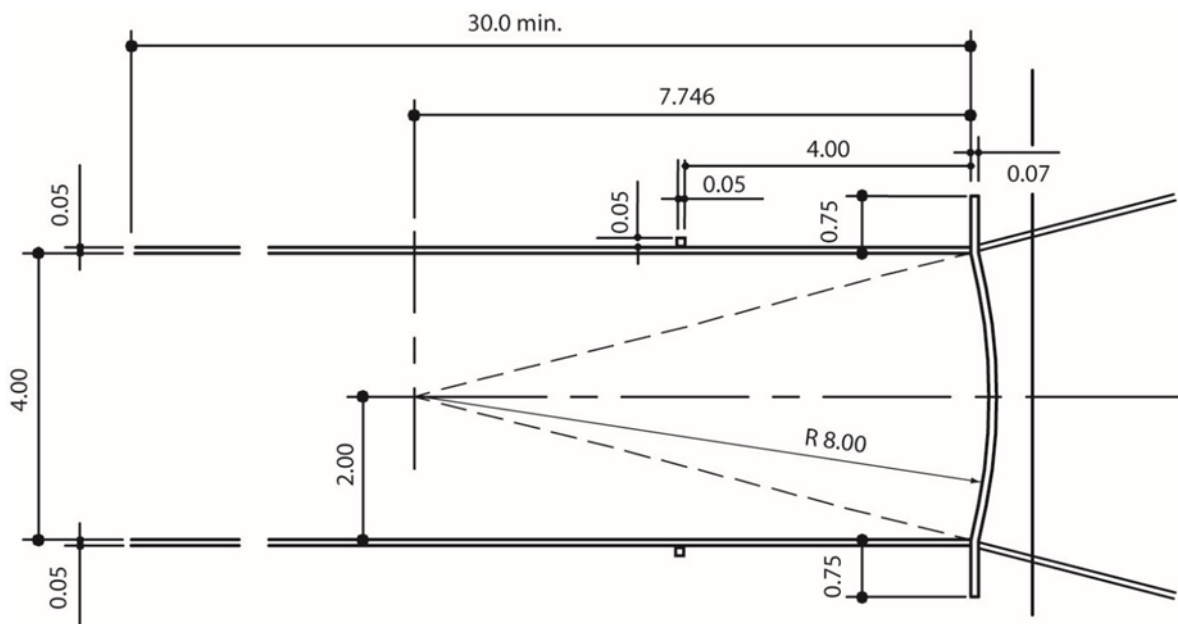
3. Facility for Hammer Throw		Circle A	Circle B	
<i>The hammer could be thrown from the discus circle provided the diameter of this circle is reduced from 2.5m to 2.135m by placing a circular ring inside.</i>				
Circle	The material used complies with the Rule	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The of the rim is flush with the ground outside	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	White lines are drawn from the top of the metal rim	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	Material of the interior surface:			
	The surface is level and lower than the upper edge of the rim of the circle	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The rim is min. 6mm thick and is painted white	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	D1	Diameter	m	m
		Circle depth	m	m
		Circle depth	m	m
	D2	Diameter	m	m
		Circle depth	m	m
		Circle depth	m	m
	D3	Diameter	m	m
		Circle depth	m	m
		Circle depth	m	m
D4	Diameter	m	m	
	Circle depth	m	m	
	Circle depth	m	m	
Circle depth at centre		m	m	
Landing sector	It consists of (material):			
	The maximum overall downward inclination in the putting direction does not exceed 1:1000	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
<i>Provide levels at the centre of the circles (0.000m), and for the landing areas at the 30m, 50m, 70m, 80m and 90m arcs at the two sector extremities and the centreline. (Also, for combined discus and hammer sites.) Depth to be provided at each end of the diameter.</i>				



4. Facility for Javelin Throw		Runway A	Runway B
Runway	Length	m	m
	It is marked by two parallel white lines 0.05m wide and 4m apart	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	The size and construction of the arc is in accordance with the Rules	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	To assist the officials in determining the leaving of the runway, 2 white square marks, 0.05m × 0.05m, are painted beside the runway 4 m back from the end points of the throwing arc	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	The maximum lateral inclination of the runway does not exceed 1:100	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
	In the last 20m of the runway, the overall downward inclination in the running direction is less than 1:1000	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Landing sector	It consists of (material):		
	The maximum overall downward inclination in the throwing direction does not exceed 1:1000	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

Runway: Provide runway levels at the centre (0.000m) and extremities of the throwing arc, and at 20m from the throwing arc.

Landing area: Provide levels at the at the centre of the throwing arcs (0.000m), and for the landing areas at the 30m, 50m, 70m, 90m and 100m arcs at the two sector extremities and the centreline.



F. Attachments

Check mark the appropriate box below for each attachment provided with this report.

- Certificates of instrument accuracy
- Plan showing Field Event layouts relative to the track (layout drawing) with the facilities identified by letters and numbers which coincide with those used in the Measurement Report
- Levels at 200m and at the finish line on the oval track, and at the 100m and 110m start in the main straight (and second straight as well if it is part of the report)
- Field Event site levels (runways and landing areas) as requested in the form

G. Conclusions

The competition area was checked regarding layout, gradient and dimensional accuracy.

- I hereby certify that all measurements and information shown in this report are accurate and are the result of a well-conducted survey.

Considering the attached measurements made during the inspection of the facility, I recommend that the facility be granted a CLASS 2 Athletics Facility Certificate or, with a successful synthetic surface field test, a CLASS 1 Athletics Facility Certificate.

- YES NO

If the answer is NO please state below the reason(s) why the facility does not come under the rules and if a Confirmation of Compliance is recommended.

Surveyor:		
Date	Signature (scanned accepted)	
tap to enter a date.		