

Certifikat for atletikanlæg

Anlæg: Frederiksberg Stadion
Sønderjyllands Allé 2
2000 Frederiksberg

Opmålt 27. – 29. september 2019

På baggrund af det modtagne materiale, herunder tegninger og opmålingsrapporter mv., kan det meddeles, at **Frederiksberg Atletikstadion kan godkendes til konkurrencer under Dansk Atletik Forbund**, samt at resultater og rekorder opnået på dette stadion kan anerkendes, under forudsætning af, at de gældende regler for afvikling af konkurrencer i øvrigt er overholdt.

Kommentarer vedr. godkendelsen:

Løbebanen:

Der er på flere målepunkter på løbebanen konstateret er tværgående fald, der overskrider World Athletics tilladte tolerance på max. 1,0%. Disse overskridelser skønnes dog ikke at have nogen reel sportsfunktionel betydning, og har derfor ingen indflydelse på godkendelsen af anlægget.

Springbanerne:

Der er tilsvarende målepunkter på tilløbsbanen til Stangspring og Længdespring hvor der er konstateret er tværgående fald, der overskrider World Athletics tilladte tolerance på max. 1,0%. Disse overskridelser skønnes dog heller ikke at have nogen reel sportsfunktionel betydning, og har derfor ingen indflydelse på godkendelsen af anlægget.

Landingsarealet til længde/trespring er konstrueret med en såkaldt dobbeltgrav med en bredde på 4.02 m, hvorfor det under afvikling af konkurrencer er nødvendigt at markere bredden af det tilladte landingsområde (2,75-3,00 m), f.eks.

med en hvid markeringsstrimmel, således at landingsområdets midterakse flugter med tilløbsbanens midterakse.

Der er ligeledes konstateret en marginalt forkortet afstand fra afsætsplankerne i trespring (såvel ved tilløb A1 som B1) til starten af sandgraven (10,98/10,99 m ved 11 m planken – og 12,98/12,99 ved 13 m planken). Disse forkortede afstande vurderes ikke til at have hverken sportslig eller skadesrisikomæssig betydning, hvorfor dette ikke har haft indflydelse på godkendelsen af anlægget.

Kastebanene:

Overkanten på såvel Kuglestøds- som Diskoskastringen mangler at blive malet hvid som foreskrevet i regel 187.6. Manglen vurderes dog ikke at have sportslig betydning, hvorfor dette ikke har haft indflydelse på godkendelsen af anlægget.

På et enkelt målepunkt (Ring A, målepunkt D4) ligger Kuglestødsringens dybde udenfor den tilladte margin på 20 mm +/-6mm.

Dette vurderes dog ikke at have sportslig betydning for ringens anvendelighed til afvikling af konkurrencer, hvorfor dette ikke har haft indflydelse på godkendelsen af anlægget.

Undtagelser:

Godkendelsen omfatter ikke eventuelle kastefaciliteter, der er placeret udenfor selve stadionområdet. Såfremt disse skal anvendes til konkurrencer, vil det kræve en særskilt opmåling og certificering.

Der gøres endvidere opmærksom på, at DAF's certifikat ikke omfatter udstyr som afsætsplanker, stopplanker, landingsmadrasser og kastebure mv.

Arrangementer:

Frederiksberg Stadion kan med denne godkendelse i princippet anvendes til alle typer af arrangementer under Dansk Atletik Forbund. Vi henleder dog opmærksomheden på, at forbundet til sine største arrangementer (herunder mesterskaber mv.) kan stille krav til særlige faciliteter udenfor selve konkurrenceområdet.



Gyldighed:

Godkendelsen der fremgår af dette certifikat er gældende, indtil der foretages ændringer af de godkendte faciliteter, som f.eks.:

- Renovering af anlæg og faciliteter, der indebærer ændringer af tidligere godkendte opmålinger mv.
- Renoveringer af topbelægninger, der indebærer nye opstregninger på løbebaner mv.

Hvis en renovering ikke omfatter hele anlægget, skal der kun søges om ny godkendelse for de dele af anlægget, der er omfattet af renoveringen.

Godkendelsesdato: 25. september 2020 *

Godkendt af:

Dansk Atletik Forbunds Tekniske Komité v/ Martin Roald-Arbøl (Formand)

*Alle resultater opnået i perioden fra opmålings- til godkendelsestidspunktet vil med baggrund i ovenstående godkendelse være gyldige.



IAAF CERTIFICATION SYSTEM

Track and Field Facilities Measurement Report Outdoor Facilities

This form must be sent to: technicalofficer@iaaf.org

Address: IAAF, Att. Technical Manager, 6-8 Quai Antoine 1^{er}, BP 359 - MC 98000 Monaco.

A Measurement Report must be submitted for all facilities for which an IAAF Athletics Facility Certificate is required.

In addition, to receive an IAAF CLASS 2 Athletics Facility Certificate, the facility synthetic surfacing material must hold a current valid IAAF Product Certificate.

To obtain an IAAF CLASS 1 Athletics Facility Certificate, the track surface must also have been tested in situ and proven to conform to the specifications in the IAAF Track Facilities Testing Protocols.

FACILITY	
Name of Facility / Stadium:	Frederiksberg Atletikstadion
Address:	Sønderjyllands Alle 2
City:	2000 Frederiksberg
Country:	Denmark
Telephone:	38776000
Fax:	
Owner of Facility / Stadium:	FIU
Address:	Jens Jessens Vej 16, 2000 Frederiksberg
E-mail:	fiu@fiu-frederiksberg.dk

SURVEY WORK			
Surveyor Company:	Technické služby Václav Paško		
Surveyor's Name:	Václav Paško		
Qualifications:	Surveyor		
Address:	B. Němcové 847, 36251 Jáchymov, CZ		
Telephone:	+42 073 210 9914		
Fax:			
E-mail:	vaclav.pasko@gmail.com		
Date(s) of Survey:	27.09-29.09.2019	Temperature:	12-16 degrees
Weather:	cloudy, Variable, rain showers		

Instruments*:	Theodolite:	Leica TS15	No.:	1618567
	Distance Meter:	Leica TS15	No.:	1618567

*Certificates of instrument accuracy shall be attached.

General:

Requirements are indicated. (See also "Commentary" on page 24!)

Test methods are explained.

Distances longer than 20m are to be measured by electro optical instruments.

Angles are to be measured by theodolite.

A. The Construction Category

1. Competition Arena

Note: Provide a layout drawing of the facility.

	N ^o Provided	Construction Category*	
		Category I Requirements	Category for this Facility
400 m standard track	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		
Number of oval lanes	6	8	IV
Number of straight lanes	8	8	I
	-		
Water jump for the Steeplechase	1		
inside	<input checked="" type="checkbox"/>	1	I
outside	<input type="checkbox"/>		
Runway for Long- and Triple Jump	2		
landing area at each end	<input type="checkbox"/>		
landing area at one end only	<input checked="" type="checkbox"/>	2	IV
landing area at the centre	<input type="checkbox"/>		
Facility for High Jump	2	2	I
Runway for Pole Vault	2		
box at each end	<input type="checkbox"/>	2	V
box at centre	<input checked="" type="checkbox"/>		
Facility for Discus and Hammer Throw combined	2	1	V
Facility for Discus Throw		#	
Facility for Javelin Throw	2	2	I
Facility for Shot Put	1	2	V

#This additional facility for discus only may also be provided.

Provision of ancillary rooms*	m ²	Manual Ch. 4	
Full facilities for spectators**		>10,000	

**Ancillary rooms e.g. for conditioning and physiotherapy, adequate space for athletes resting between events. Indicate the permanent ancillary spaces provided.*

***Indicate the number of spectators fully catered for.*

2. Other Facilities

Warm-up area	<input type="checkbox"/> Y <input type="checkbox"/> N		
Track size	m	400m	
Number of oval lanes		4	
Number of straight lanes		6	
Similar type of surface to the main track	<input type="checkbox"/> Y <input type="checkbox"/> N		
Facility for Discus Throw		1	
Facility for Javelin Throw		1	
Facility for Shot Put		2	
Facility for Hammer Throw		1	
Provision of ancillary rooms ^o	m ²	>250m ²	

^oAncillary rooms e.g. for conditioning and physiotherapy, adequate space for athletes resting between events.

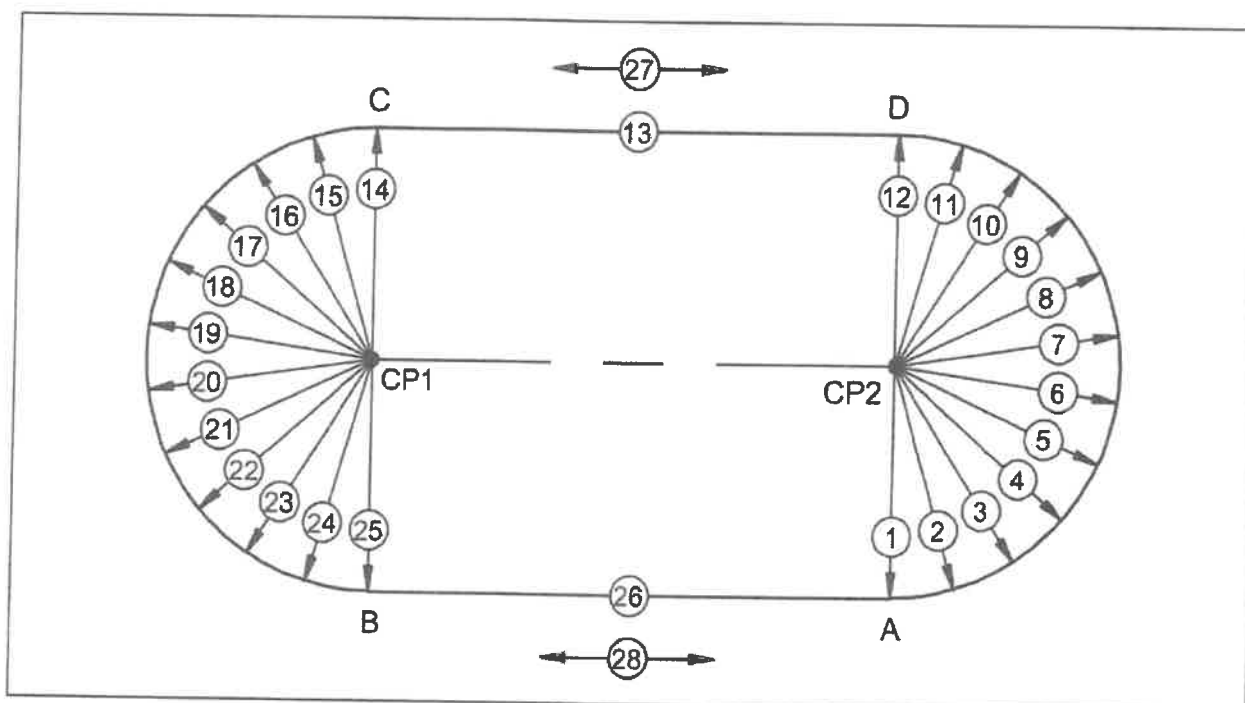
Construction Category (Table 1.5.3)	
Competition Category (Table 1.3.2)	

**Refer to Table 1.5.3 Track and Field Facilities Manual for Construction Categories. Check mark appropriate box and fill in other blanks with information.*

3. The length of the track

3.1. Dimensional Accuracy of the 400m Standard Track

The dimensional accuracy required for all classes of competition 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:

All measurements shall be in m to three decimal places.

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 86.274m

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

A= Measurements 27 and 28: alignment of the straights (the difference in the 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: ± 0.005 m

Permitted deviation from alignment for 27 and 28: ± 0.01 m

Permitted tolerance of the running length: $+0.040$ m max.

(Record of control measurement for Double Bend tracks see p. 25)

3.2 Calculation of the length (inside border)

	Distance	Angle	Length
Average radius curve A - D	35,9008m	200.000 gon	112,786m (+)
Average radius curve C - B	35,9018m	200.000 gon	112,789m (+)
Straight C – D (13)	N/A	N/A	86,277m (+)
Straight A – B (26)	N/A	N/A	86,274m (+)
Length of the inside border	N/A	N/A	398,126m (=)

Deviation from the running length:

Lane 1	Distance	Angle	Length
Average deviation from desired value A - D	0,00083m	200.000 gon	0,00262m (+)
Average deviation from desired value C - B	0,00175m	200.000 gon	0,00550m (+)
Straight C – D (13)	N/A	N/A	0,003m (+)
Straight C – D (26)	N/A	N/A	0,000m (+)
Length of the inside border	N/A	N/A	0,01042m (=)

3.3 Calculation of the Running Distance

Length of inside border		398,126m (+)
Theoretical running line (30cm)	$0.300 \times \pi \times 2$	1.885m (+)
Theoretical Running Distance (TRD)		400,011m (=)

3.4 Certification of the Length

The control of the inside length of the running track gives a length greater than 400 metres.

The calculated difference of 0,011m (TRD-400m) is inside the permitted tolerance of 0.040m laid down in the IAAF Manual. ✓

The measurement of lane one was taken 0.30 metres outward from the kerb. The lengths of the other lanes were taken 0.20 metres from the outer edges of the lines. (Rule 160.2)

The direction of the running is left-hand inside. The lanes are numbered with the left hand inside lane numbered 1. (Rule 163.1)

The distance before the 110m start line(s) is 4,99m (min. 3 metres). The straight distance after the finish line is 27,293metres (min. 17 metres). ✓

4. The Incline of the Track

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. The distance between the checks in the running direction is 50 metres.

5. International Markings on the Track

5.1 General

All lanes are marked by white lines. YES NO ✓

All markings are 0.05m wide. YES NO ✓

All start lines (except for curved start lines) and the finish line are marked at right angles to the lane lines. YES NO ✓

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 50 mm wide at the beginning of the following straight are as given in the Manual..... YES NO ✓

The outer curved start lines for 1000m, 2000m, 3000m, 5000m and 10,000m are marked in a way that all competitors can run the same distance. A green mark 50mm x 50mm 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. YES NO ✓

The 4x400m start lines are in accordance with the IAAF Manual (cf. 5.5 International Relay Events). YES NO ✓

The intersection of the lane lines and the 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. (Rule 165.16) YES NO ✓

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. (Rule 163.1) YES NO ✓

White lines, 30mm wide and 80 cm (40cm at 2m) long, are marked 1 m, 3m and 5m before the finish line (optional). YES NO ✓

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 checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
110m				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
200m				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
400m				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
800m	white/green/white	oval	first bend in separate lanes	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
4x400m	white/light blue/white		three bends in separate lanes	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

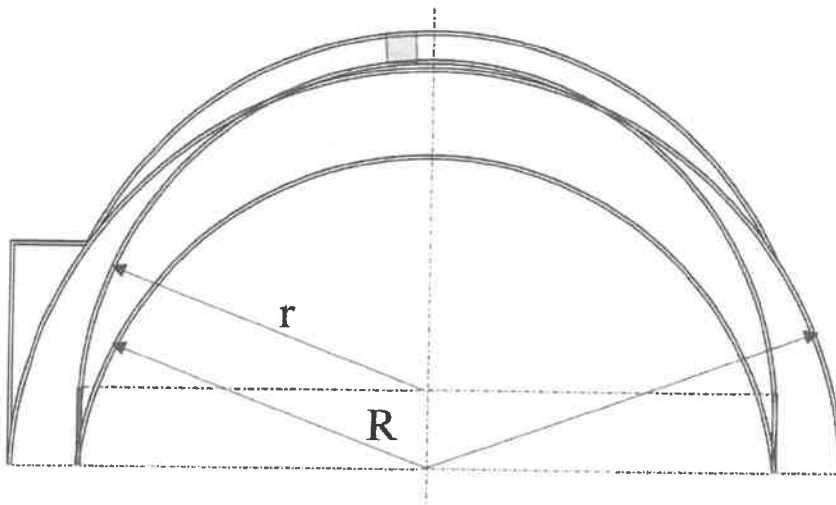
Curved starts:

800m	white	lane 1-8	2 full laps	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
2000m			5 full laps	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
10,000m			25 full laps	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

2000m	white	outer start lane 5-8	5 full laps	first bend in lane 5	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
10,000m			25 full laps		<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

		Measured	Standard IAAF	
Radius of inner lane:	$R =$	35,902m	36.50m	
Theoretical running line of the track:	$L =$	0.30m	0.30m	
The steeplechase track has an inside kerb.				<input type="checkbox"/> Y <input checked="" type="checkbox"/> N m @
Theoretical running line of the steeple:	$l =$	0,20m	0.20m	
Axis:	$S =$	86,275m	84.39m	
Radius of steeplechase kerb/inside line	$r =$	15,10m	16.00m	
Angle 1 Track:	$\beta =$	44,8729 deg	47.2806 gon	42.5525 deg
Angle 2 Steeplechase:	$\alpha =$	45.1271 deg	52.7194 gon	47.4475 deg

⊗ ingen sags herfor bruges skat
anvendes når forhindreloeb laves!



a) Calculation of the Steeplechase Lap (Water jump outside)

		Measured	Standard IAAF	Formula
Water jump curve:	<i>a</i>	m (+)	115.297 m (+)	$\pi \times (r + l)$
Two transition straights:	<i>b</i>	m (+)	19.720 m (+)	2×9.86
Steeplechase curve:	<i>z</i>	m (=)	135.017 m (=)	$= a + b$
Normal curve:	<i>d</i>	m (-)	115.610 m (-)	$\pi \times (R+L)$
Lengthening measure:	VM	m (=)	19.407 m (=)	$= z - d$
Steeplechase lap:		m (=)	419.407 m	$= 400+VM$

b) Steeplechase Start Positions (Water jump outside)

There are starts for 2000 metres and 3000 metres Steeplechase. (Rule 169.1)

	Theoretical 5/7 VM	Measured	Difference	Standard IAAF	Location
2000 m Steeplechase 5 VM	m	m	m	97.035 m	after A
3000 m Steeplechase 7 VM	m	m	m	135.849 m	after C

3. Steeplechase Barrier Positions

The marked distance between the barriers positions is approximately 1/5 of the length of the steeplechase lap (Rule 169.3).

Hurdle	1-2	2-3	3-4	4-5	5-1	Standard IAAF
Water jump inside	79,308 m	79,306 m	79,300 m	79,307 m	79,305m	79.217 m
Water jump outside	m	m	m	m	m	83.88 m

4. Water Jump (Rule 169.6)

	MEN		WOMEN	
	Measured	IAAF Rule	Measured	IAAF Rule
Length including the hurdle:	3,663m	3.64 to 3.68m	N/A	N/A
Width inside:	3,652m	3.64 to 3.68m	N/A	N/A
Depth:	0,70m	0.50 m 0.70 m	N/A	N/A
Floor length:	0,341m	1.20 m 0.30 m	N/A	N/A
Hurdle length	not present m	3.64 to 3.68m	not present m	3.64 to 3.68m

D. Facilities for Jumping Events

1. Facility for High Jump

	IAAF Rule Requirement	Area A	Area B
The runway	The minimum length of the runway is min. 20m, if possible 25m. (Rule 182.3)	24,477m	19,498m
	Does this length include part of the track?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
The take-off area	The take-off area complies with Rule 182.5 as it is level or the inclination complies with Rule 182.4.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" 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 1:250 in the direction of the centre of the cross-bar. (Rule 182.4)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Note: Provide runway radial levels at the centre, and 15m, 20m and 25m from the centre of each High Jump take-off. Use a separate drawing for providing the required spot levels.

2. Facility for Pole Vault

	IAAF Rule Requirement	Area A1	Area B1	Area A2	Area B2
The runway	The length of the runway is: minimum 40m, if possible 45m.	56,423m	58,649m	m	m
	It has a width of: 1.22m ± 0.01	1,222m	1,222m	m	m
	It is marked by white lines 50mm in width. (Rule 183.6)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" 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 checked="" type="checkbox"/> N	<input type="checkbox"/> Y <input checked="" 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. (Rule 183.7)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

Note: Provide runway levels at the box and at 10m intervals from each Pole Vault box. Use a separate drawing for providing the required spot levels.

Pole Vault box	Size material and construction of the Pole Vault Box is in accordance with the Rule. (Rule 183.8)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" 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 10mm wide is drawn at right angles to the axis of the runway, in line with the back end of the box. (Rule 183.1)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

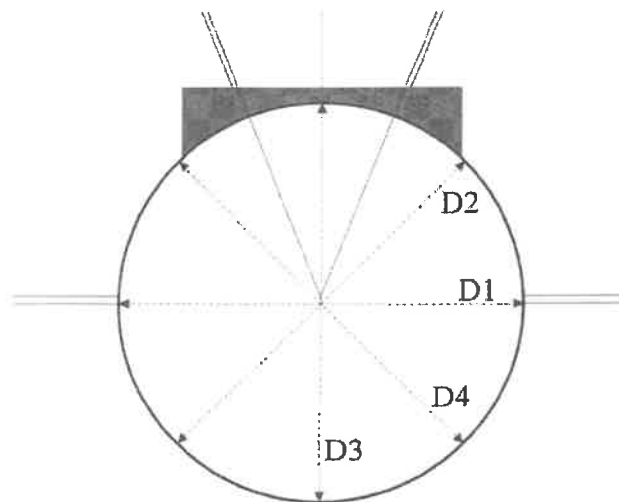
3. Facility for Long Jump

	IAAF Rule Requirement	Area A1	Area B1	Area A2	Area B2
The runway	The length of the runway is: minimum 40m, if possible 45m.	53,519m	55,345m	m	m
	It has a width of: 1.22m ± 0.01	1,218m	1,222m	m	m
	It is marked by white lines 50mm in width. (Rule 184.2)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" 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 checked="" type="checkbox"/> N	<input type="checkbox"/> Y <input checked="" 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. (Rule 184.3)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

E. Facilities for Throwing Events

1. Facility for the Shot Put

	IAAF Rule Requirement	Circle A	Circle B	Circle C			
The Shot circle	The material of the circle is in accordance with the Rule.	<input checked="" 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 circle is flush with the ground outside. (Rule 187.5)	<input checked="" 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 are drawn from the top of the metal rim. The construction is in accordance with the Rule. min. 0.75m long, 50mm wide (Rule 187.7)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	✓		
	The interior of the circle is constructed of:	Concrete					
	The surface is level and lower than the upper edge of the rim of the circle.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	✓		
	The rim is min. 6 mm thick and painted white.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	x.(ok)		
	The circle has an inside diameter of: min. 2.130m max. 2.140m (IAAF Rule 187.6)	D1	Diameter	2,139m	m	m	✓
			Circle depth	19,1mm	mm	mm	✓
			Circle depth	21,6mm	mm	mm	✓
	The circle has a depth of: min. 14mm max. 26mm (Rule 187.5)	D2	Diameter	2,130m	m	m	✓
			Circle depth	17,1mm	mm	mm	✓
			Circle depth	24,2mm	mm	mm	✓
		D3	Diameter	2,132m	m	m	✓
			Circle depth	22,3mm	mm	mm	✓
			Circle depth	25,3mm	mm	mm	✓
	D4	Diameter	2,130m	m	m	✓	
		Circle depth	19,6mm	mm	mm	✓	
		Circle depth	23,3mm	mm	mm	✓	
	Circle depth at centre		18,1mm	mm	mm	✓	



The stop board must be checked before a competition.

3. Facility for Hammer Throw

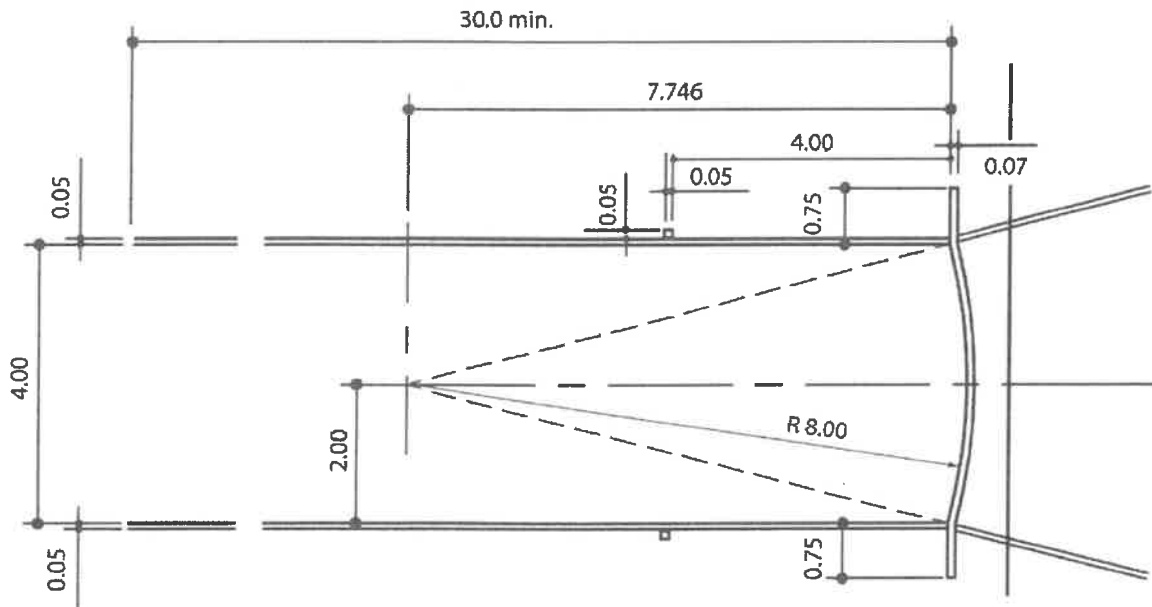
The hammer could be thrown from the discus circle provided the diameter of this circle is reduced from 2.5m to 2.135m by placing a circular ring inside.

		IAAF Rule Requirement	Circle A	Circle B	
The Hammer circle	The material of the circle is in accordance with the Rule.		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The top of the circle is flush with the ground outside. (Rule 187.5)		<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. The construction is in accordance with the Rule. (Rule 187.7) min. 0,75 m long, 50 mm wide		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The interior of the circle is constructed of:				
	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. 6 mm thick and painted white		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	
	The circle has an inside diameter of: min. 2.130m max. 2.140m (Rule 187.6)	D1	Diameter	m	m
			Circle depth	mm	mm
Circle depth			mm	mm	
D2		Diameter	m	m	
		Circle depth	mm	mm	
		Circle depth	mm	mm	

		IAAF Rule Requirement	Circle A	Circle B	
The Hammer circle	The circle has a depth of: min. 14 mm max. 26 mm (Rule 187.5)	D3	Diameter	m	m
			Circle depth	mm	mm
			Circle depth	mm	mm
		D4	Diameter	m	m
			Circle depth	mm	mm
			Circle depth	mm	mm
			Circle depth at centre	mm	mm
The landing sector	The landing sector consist of: (Rule 187.10)				
	The maximum overall downward inclination of the landing sector in the throwing direction does not exceed 1:1000. (Rule 187.11)		<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	

Note: Provide levels at the circles and for the landing areas at the 30m, 50m, 70m and 80m arcs at the two sector extremities and the centreline. Use a separate drawing for providing the required spot levels.

Der bør, hvis vi finder træningsforholdene i sikkerhedsmanøvs acceptabelt stand gives en dispensation til at denne kan anvendes til træning og mindre nationale konkurrencer !! ?



	IAAF Rule Requirement	Runway A	Runway B
The landing sector	The landing sector consist of: (Rule 187.10)	artificial grass	artificial grass
	The maximum overall downward inclination of the landing sector in the throwing direction does not exceed 1:1000. (Rule 187.11)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

!!
✓

Note: Provide levels at the throwing arcs and for the landing areas at the 30m, 50m, 70m and 90m arcs at the two sector extremities and the centreline. Use a separate drawing for providing the required spot levels.

Signature:

A handwritten signature in black ink, appearing to be 'P. Smith', written over a horizontal line within a rectangular box.

Outdoor Facilities Measurement Report Commentary

Introduction

All the information required in this proforma must be determined by the surveyor and he should not rely on any other 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 IAAF Rules or the recommendations of the IAAF Track and Field Facilities Manual. These are matters for the IAAF alone to determine.

For ease of distribution of the report it is recommended that the report be in Word document or Adobe pdf format. It is also preferred that the measurements be typed onto the form. If for some reason that is not possible then the figures should be written clearly in black ink.

If there are more facilities than allowed for on the proforma, the same information as that requested should be provided for the extra facilities.

All measurements/calculations of length must be to the nearest mm. No negative tolerances are allowed in the measured distance of races.

Page 1 Instruments

The surveyor must provide a current Certificate of Instrument Accuracy that can be traced back to national and international standards of measurement.

Page 3 Competition Arena

This table must be completed in full. In IAAF terminology a single runway would have landing areas or Pole Vault boxes at each end or at the centre.

Page 3 Other Facilities

If there is an adjacent park or playing field that can be used as a warm-up area this should be noted.

To assist the evaluation of the facilities construction classification the approximate size in square metres of the stadium ancillary rooms and the approximate seating capacity of the stadium should be given.

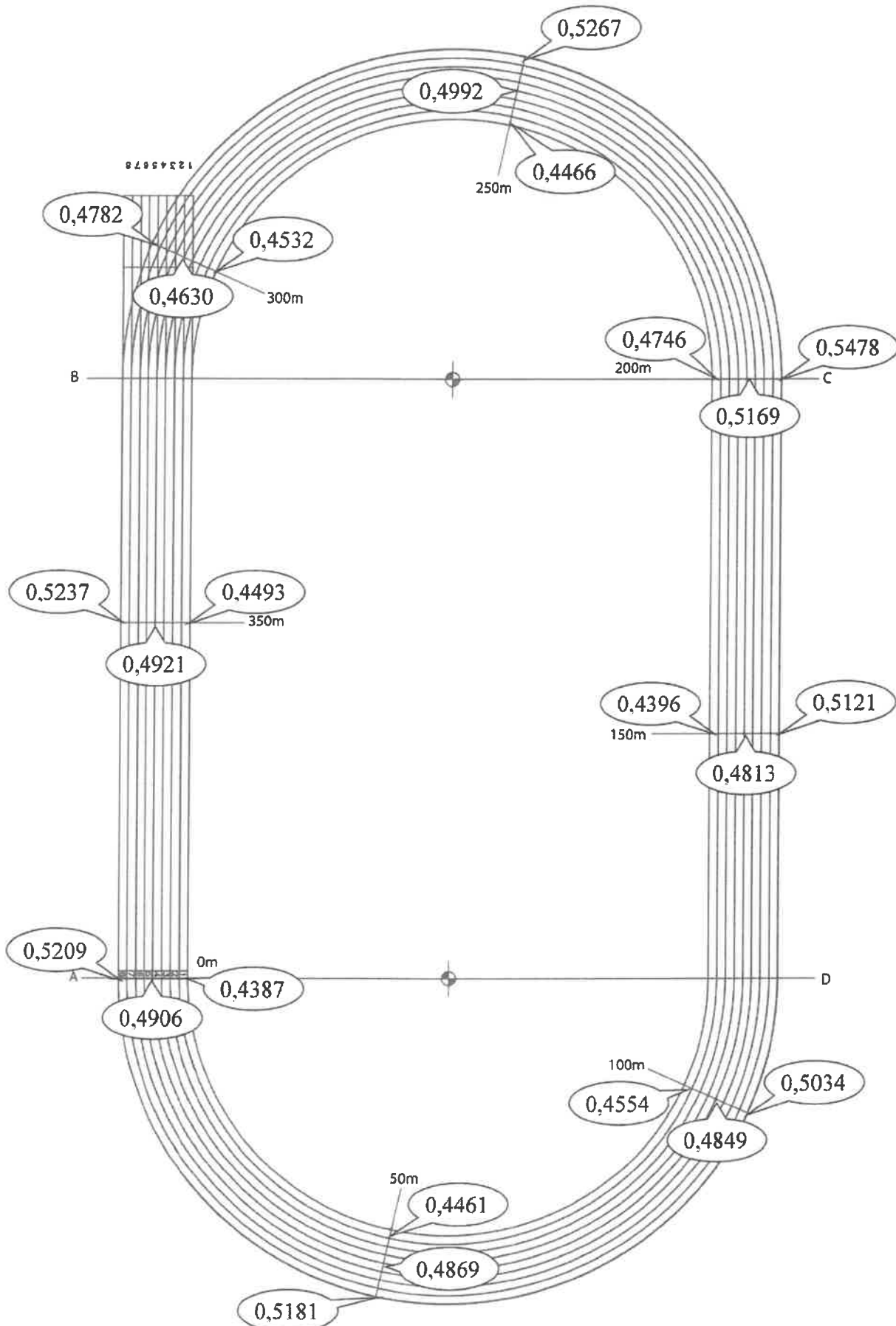
Page 4 Track Description

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. The most obvious infield obstructions are likely to be a throwing safety cage or an inside steeplechase water jump.

Page 4 Track Surface

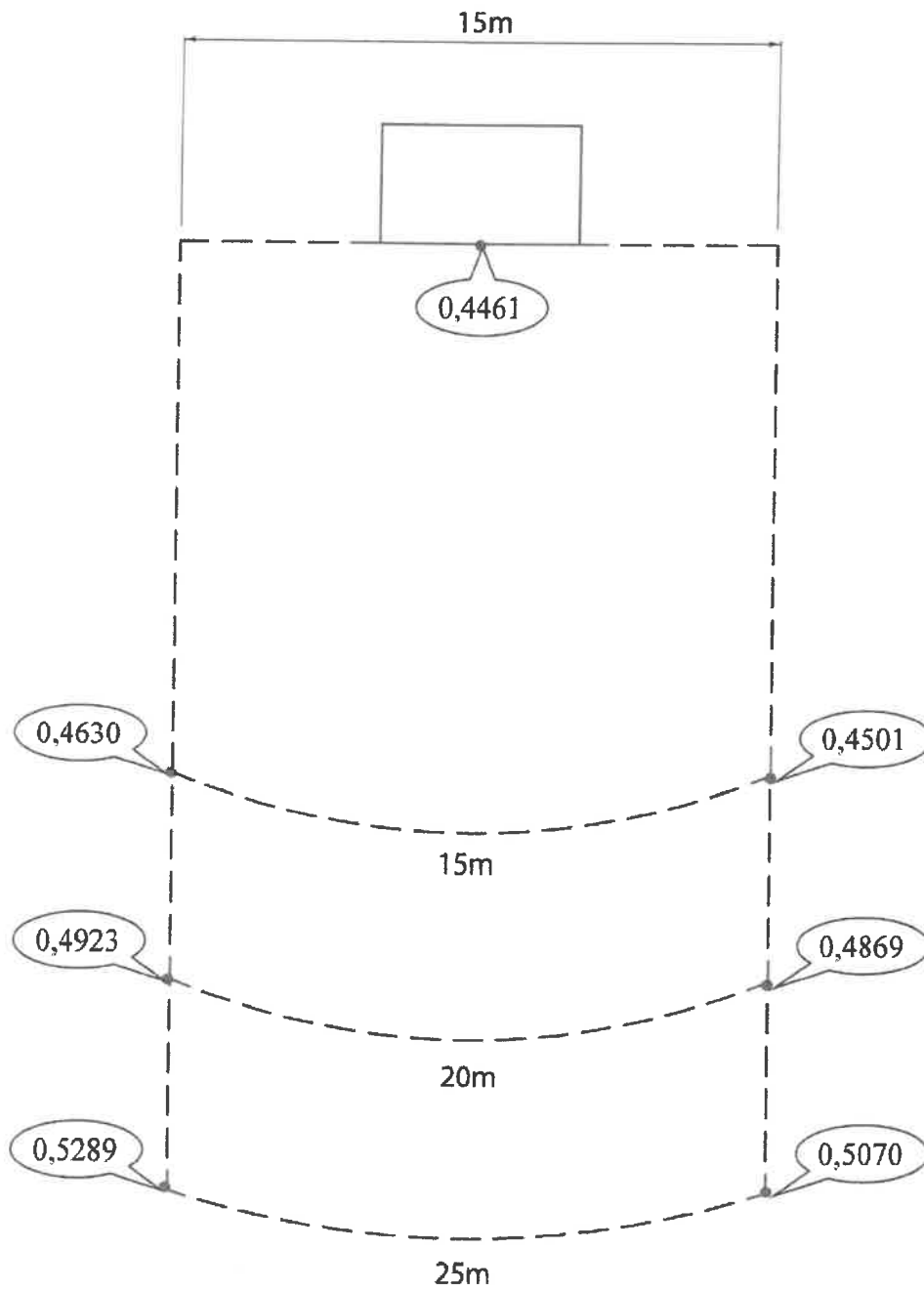
The current list of track surfaces with IAAF Product Certificates is available on the IAAF website under Competitions/Technical Area/Certification System.

Page 6 Track Measurements



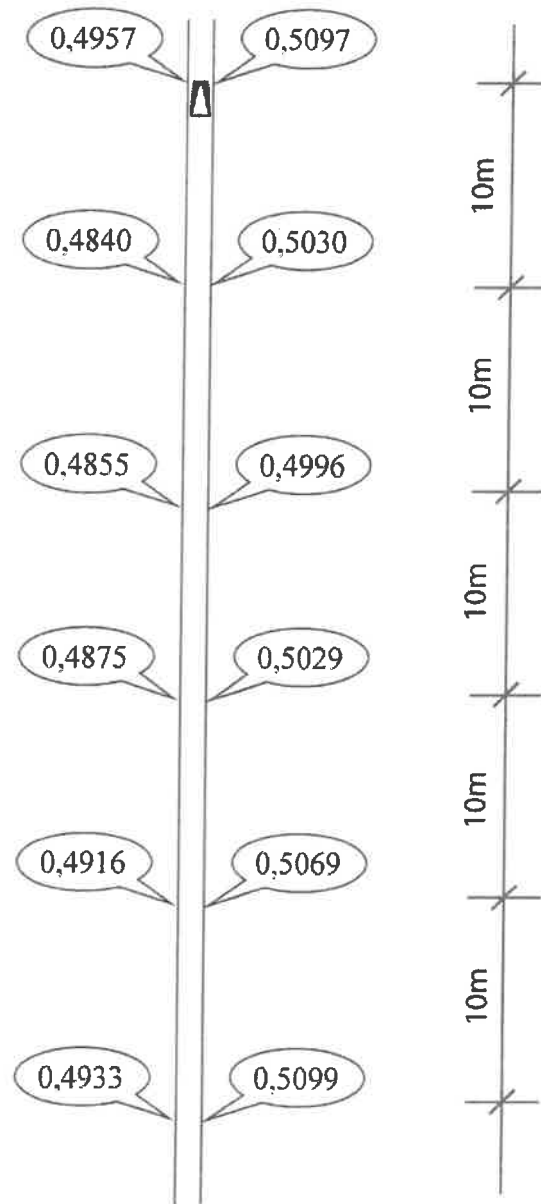
Name and City of Facility: Frederiksberg

All Dimensions are in m.



Name and City of Facility: Frederiksberg

Site identification: Area A East



Name and City of Facility: Frederiksberg

Site identification: Area A1 East

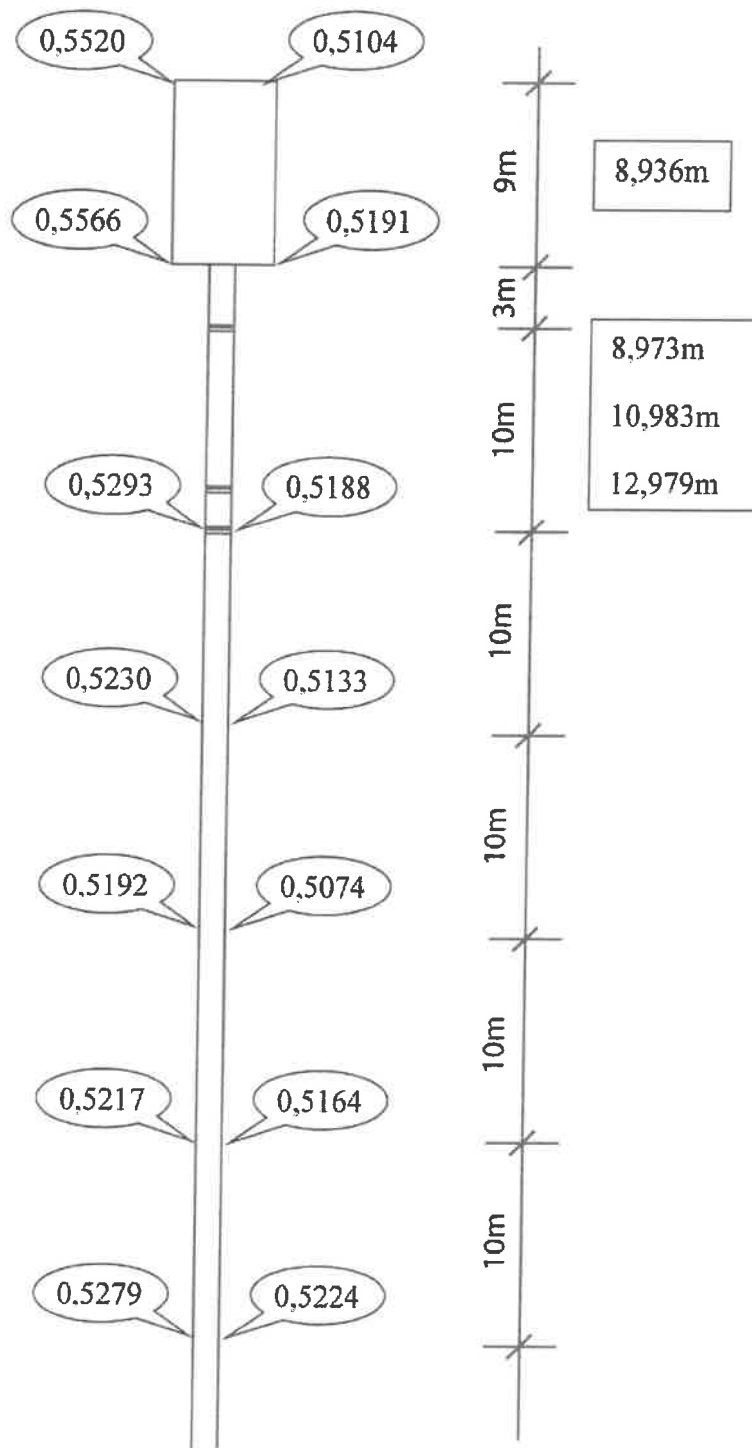
Levels – Long Jump, Triple Jump

IAAF FORM: TMO



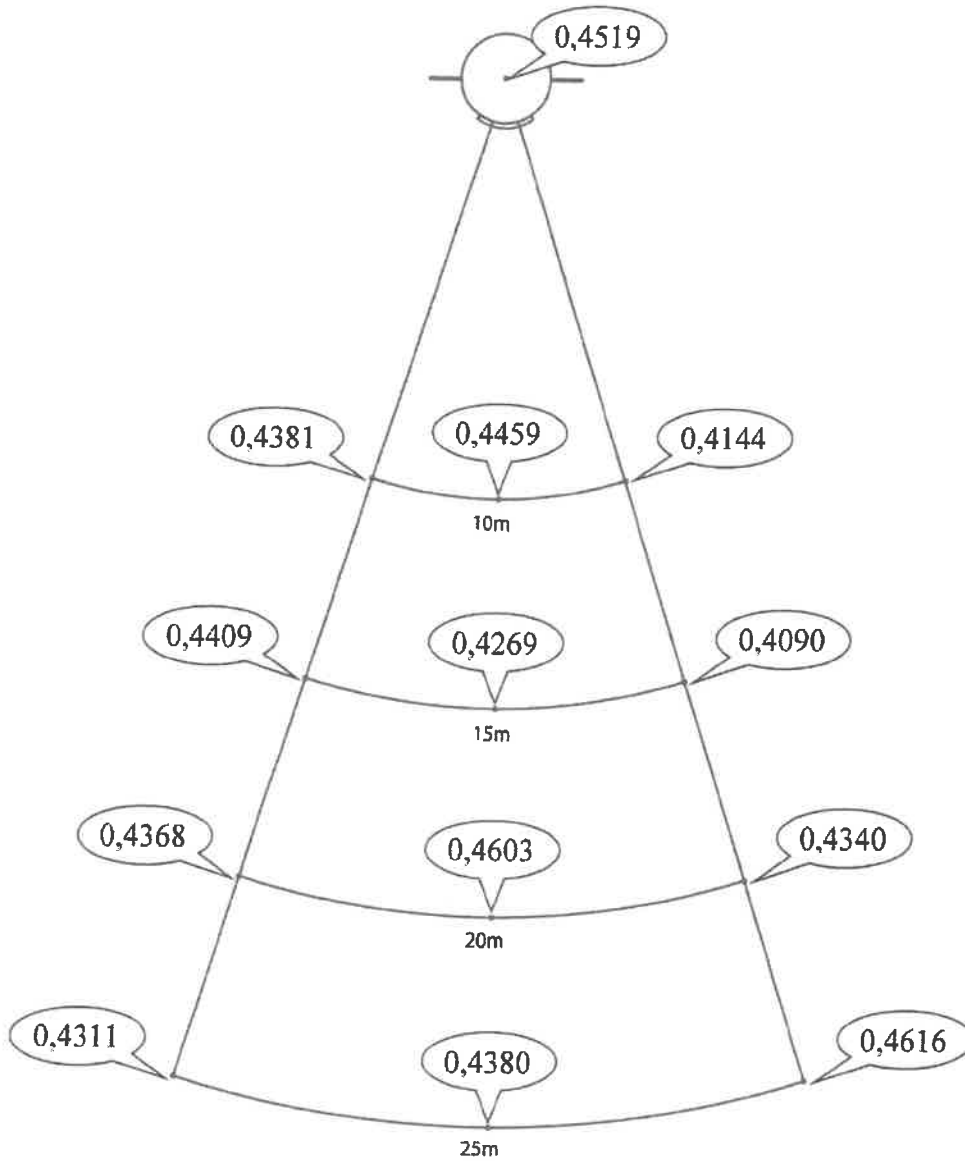
Name and City of Facility: Frederiksberg

Site identification: Area A1 East



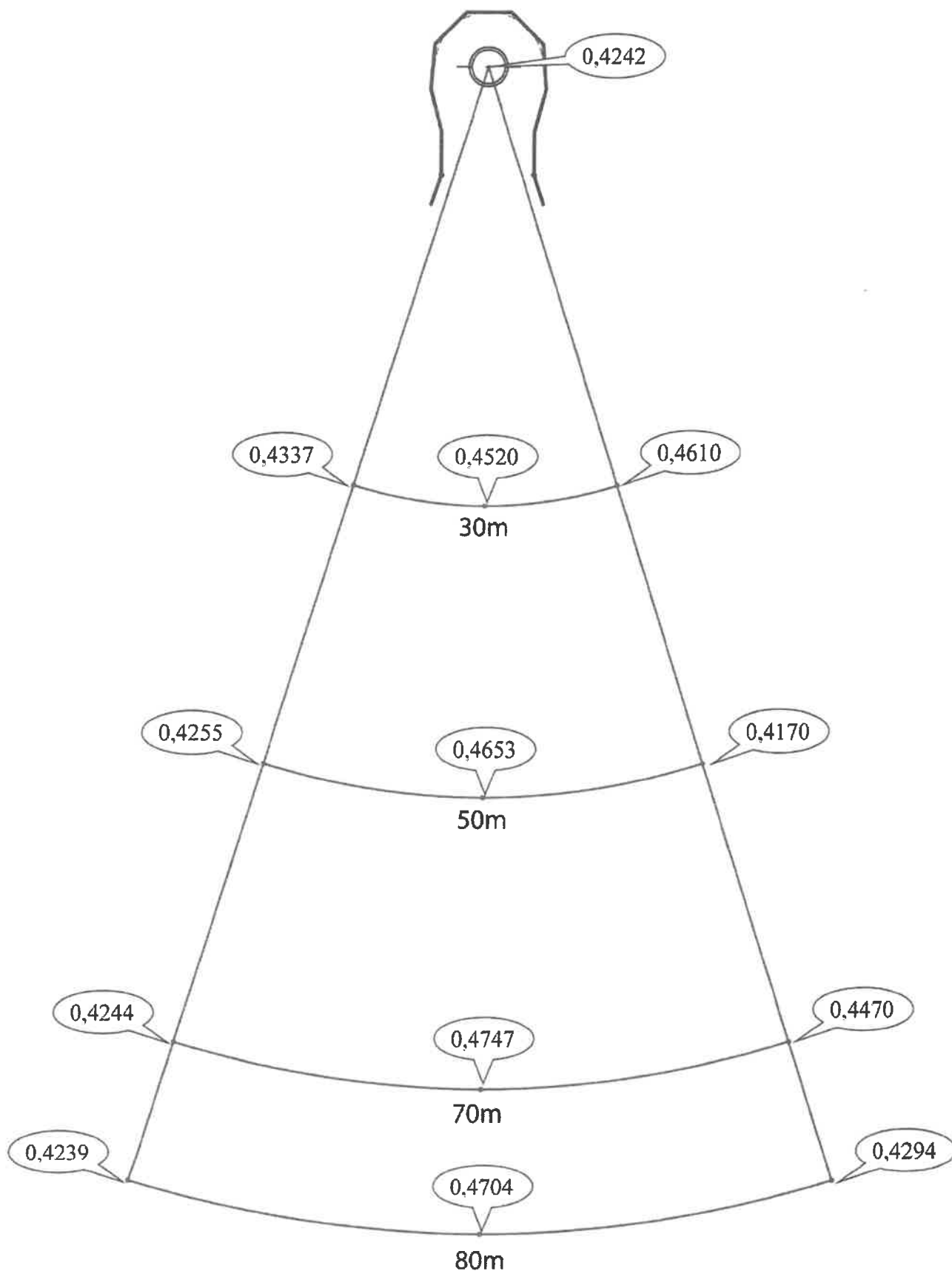
Name and City of Facility: Frederiksberg

Site identification: Area A1 East



Name and City of Facility: Frederiksberg

Site identification: Circle A



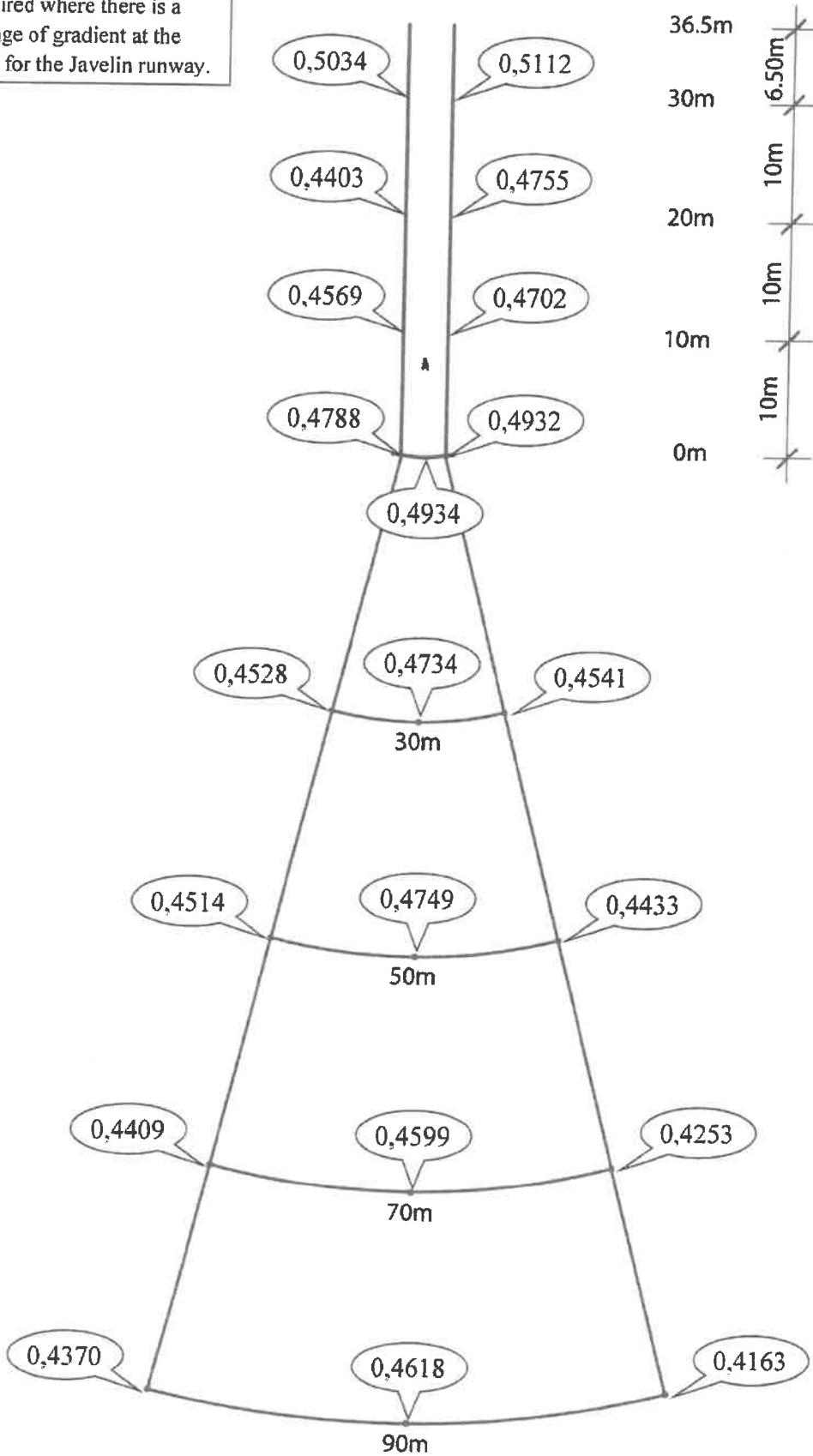
Name and City of Facility: Frederiksberg

Site identification: Circle B West

Levels – Javelin Throw

IAAF FORM: TMO

Additional levels may be required where there is a change of gradient at the kerb for the Javelin runway.



Name and City of Facility: Frederiksberg

Site identification: Runway B West

Frederiksberg Idrætscenter – 400m Athletic Track Proof of additional disciplines for the DAF

1. Start Measurements

Measured distance to finish:

Start	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6	Lane 7	Lane 8
40m	40,002	40,002	40,003	40,003	40,000	40,005	40,006	40,006
60m	60,002	60,004	60,003	60,003	60,002	60,002	60,002	60,002
80m	80,002	80,005	80,000	80,002	80,003	80,008	80,006	80,004
4x40m(160m)	160,006	160,003	160,005	160,004	160,006	160,007	-	-
4x60m(240m)	240,010	240,008	240,010	240,010	240,004	240,003	-	-
300m	300,007	300,005	300,008	300,007	300,008	300,004	-	-
4x80m(320m)	320,008	320,006	320,009	320,009	320,007	320,009	-	-
1000m Medley	1000,023	1000,025	1000,031	1000,030	1000,041	1000,027	-	-

1500m Steeplechase 3 VM	Theoretical	Measured	Difference	Location: in front of 300m Start lane 1
	24,142	24,146	0,004	

2. Relay Races

4 x 40 m Relay - Measured Distance to Finish

	Take - over Zone	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
4 th Runner	End: Orange Line	29,999	30,001	29,999	29,999	30,000	30,004
	Middle: Orange Line	40,002	40,002	40,003	40,003	40,000	40,005
	Start: Orange Line	50,000	50,000	50,001	50,000	50,001	50,001
3 th Runner	End: Orange Line	70,002	70,001	70,002	70,003	70,004	70,003
	Middle: Orange Line	80,002	80,005	80,000	80,002	80,003	80,008
	Start: Orange Line	90,003	90,006	90,003	90,007	90,006	90,009
2 th Runner	End: Orange Line	110,003	110,005	110,001	110,000	110,001	110,005
	Middle: Orange Line	120,004	120,001	120,004	120,007	120,003	120,004
	Start: Orange Line	130,004	130,006	130,004	130,006	130,005	130,003

4x60 m Relay - Measured Distance to Finish:

	Take - over Zone	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
4 th Runner	End: Black Line	50,000	50,000	50,001	50,000	50,001	50,001
	Middle: Black Line	60,002	60,004	60,003	60,003	60,002	60,002
	Start: Black Line	70,002	70,001	70,002	70,003	70,004	70,003
3 th Runner	End: Black Line	110,003	110,005	110,001	110,000	110,001	110,005
	Middle: Black Line	120,004	120,001	120,004	120,007	120,003	120,004
	Start: Black Line	130,004	130,006	130,004	130,006	130,005	130,003
2 th Runner	End: Black Line	170,003	170,004	170,003	170,007	170,008	170,009
	Middle: Black Line	180,008	180,005	180,007	180,005	180,009	180,008
	Start: Black Line	190,006	190,002	190,007	190,006	190,007	190,011

1000 m Relay - Measured Distance to Finish:

Until the end of the second curve the athletes are running in lanes.

	Take - over Zone	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6
3th Runner	End: Blue Line	690,016	690,019	690,022	690,021	690,021	690,020
	Middle: Blue Line	700,014	700,018	700,016	700,020	700,020	700,021
	Start: Blue Line	710,019	710,020	710,024	710,021	710,025	710,023
	Acceleration: Blue	720,015	720,020	720,026	720,022	720,023	720,023
2th Runner	End: Blue Line	890,018	890,023	890,023	890,028	890,026	890,027
	Middle: Blue Line	900,021	900,025	900,025	900,033	90,033	900,032
	Start: Blue Line	910,021	910,023	910,23	910,033	910,025	910,028
	Acceleration: Blue	920,020	920,019	920,019	920,026	920,019	920,023

Recommendation:

All positions are within the required tolerances, symbols and colors of the additional disciplines are according to the DAF rules, therefore I recommend a DAF certificate.

08.10.2019

Datum



Signature