Beogradski Ultramarathon

Measurement course and certificate application



start	
Ви	APPLICATION FOR CERTIFICATION OF A ROAD COURSE Belgrade Ultramarathon Name of event: Self-Transcendence 6/12/24 Hour Race
	Advertised race distance: <u>1300m</u> Race date:
	Race director: Irina Skerl
	Address: Sri Chinmoy Marathon Team, Hilandarska 24, 11000 Beo
	Phone:+381 11 245 2025 Fax: Email: <u>scmt.rs@srichinmoyrac</u>
Јакшићева кула Jakšić Tower	Name of measurement team leader: Ivan Rečević
Црква Свете Петке	Address: Bulevar Zorana Đinđića 166
ete Petke In	Phone: 063-370-956 Fax: Email: <u>irecevic@gmail.c</u>
Ружица Ružica	Location of start: Kalemegdan Fortress, Belgrade, Serbia
Зиндан капија Zindan Gate	Location of finish: Kalemegdan Fortress, Belgrade, Serbia
Деспотова капија Despot Gate	Type of terrain (please tick): Flat Indulating Hilly
	Type of course (please tick). Loop Out & back Point to point Oth
	Altitude (in metres above sea level): Start <u>70m</u> Finish <u>70m</u>
	Distance, in a straight line, between start and finish:0m
Деспот Стефан Лазаревић Despot Stefan Lazarević	



- -



start	
Ви	SUMMARY OF MEASUREMENTS
	Date(s) of measurement: 15.3.2015
	How many measurements of the course were made?
	Names of measurers: Ivan Rečević
	How much of the road width is available to runners throughout the leng road race course?
	Completely available to racers. It is a park.
Јакшићева кула	
Јаквіć Tower Црква Свете Петке	If the route at turns cannot be described as the 'shortest possible route what restrictions will apply, and how these will be enforced?
e Petke (M)	
Ружица	
HUZICA	Length of course after any adjustment: <u>1357m</u>
Зиндан капија Zindan Gate	
Деспотова капија	Difference between longest and shortest measurement:
Despot Gate	Which measurement was used to establish the final course length and

Деспот Стефан Лазаревић Despot Stefan Lazarević

INTERNATIONAL ASSOCIATION OF ATHLETICS FEDERATIONS 65



RATIONS 6:



start finish

OVERVIEW OF THE MEASUREMENT PROCEDURE

Provide an overview below of the processes and procedures you followed when undertaking this measurement.

We started with calibration - taking into account current temperature

(3C) and decrease of measure by 4cm. After calibration course

measure, we moved through course understanding how runners will

move on the course. We identified pedestrian walk on the south side

of park which we can use for any adjustment in order to round the

course to nice number.

Measurement of course was done in three sections. From start to

point A (corner of exit to pedestrian walk), from A until the end of

pedestrian walk, back to point B (oposite to point A), and from B to

finish.

Јакшићева

кула Jakšić Tower

Црква Свете Петке

(A)

Ружица Ružica

Зиндан капија

Zindan Gate

(th)

After measurement we did again measurement of calibration course

in order to identify any changes.

Деспотова капија

Despot Gate

Деспот Стефан 🛃 Лазаревић Despot Stefan Lazarević

INTERNATIONAL ASSOCIATION OF ATHLETICS FEDERATIONS 66



Војна кухиња Military Kitchen

Bulevar vojvode Bojovića

nail in front of pole no 41



corner of straight road

Bulevar vojvode Bojovića

Амам - старо турско купатило Amam - Old Turkish Bathroom

Soon Bole Dige Bologina

Чесма Мехмед-паше Google Соколовића









Црква Свете Петке (141) Ружица Ružica Зиндан капија Деспотова капија Despot Gate Деспот Стефан

> INTERNATIONAL ASSOCIATION OF ATHLETICS FEDERATIONS 68 - -



BICYCLE CALIBRATION DATA SHEET

Name of event:	Beogradski ultramaraton				
Date of measurement 15.03.2015					
Name of measurer: Ivan Rečević					
Length of calibra	tion course: 199,96m				
-					

PRE-CALIBRATION - ride the calibration course four times, recording data as follows:

Ride	Ride	Counts	Relative	
1	Ride 1	779131	2.264,0	
2	Ride 2	781395,5	2.264,5	
3	Ride 3	783659	2.263,5	
4	Ride 4	785923	2.264,0	
Time of day:	10:20	Temperature	3	

Јакшићева кула

> WORKING CONSTANT = number of counts in one kilometre, calculated from the premeasurement average count, and multiplied by 1.001 – the 'short course prevention factor'

Pre-measurement average count = 2264

Counts per km = pre-measurement average count x 1000/length of calibration course in metres 11.322,233 Working Constant = counts per km x 1.001 = 11,3336

POST-CALIBRATION - ride the calibration course four times, recording data as follows:

Ride	Ride	Counts	Relative	
1	Ride 1	821034	2.264,0	
2	Ride 2	823299	2.265,0	
3	Ride 3	825563	2.264,0	
4	Ride 4	827828	2.265,0	

Time of day: <u>11:30</u> Temperature: <u>3</u>

FINISH CONSTANT = number of counts in one kilometre, calculated from the post-measurement average count, and multiplied by 1.001 – the 'short course prevention factor'

Post-measurement average count = 2264,5

Counts per km = post-measurement average count x 1000/length of calibration course in metres 11.324,733 Finish Constant = counts per km x 1.001 = 11,3361

CONSTANT FOR THE DAY = the average of the working constant and the finish constant = **11,3348**

Jakšić Tower

Црква Свете Петке

(111)

(A) Ружица Ružica

> Зиндан капија Zindan Gate

Деспотова капија Despot Gate

> Деспот Стефан Дазаревић Despot Stefan Lazarević



- -



start



Јакшићева кула Jakšić Tower Црква Свете Петке ۱. (A) Ружица Ružica Зиндан капија Zindan Gate Деспотова капија Despot Gate

Деспот Стефан 🛨 Лазаревић Despot Stefan Lazarević

COURSE MEASUREMENT DATA SHEET

Name of event:	Beogradski ultramaraton					
Name of measure	me of measurer: Ivan Rečević					
Date of measurer	nent: 15.03.2015					
Start time: <u>10:20</u>) Temperature: <u>3</u>					
Finish time: 11:3	0 Temperature: <u>3</u>					
Constant for the I	 Day: _11,3348 counts/km					

MEASUREMENT DATA

Measured point			Counter reading	Counter Counter Counter Counter Counter Counter		ive	Cumulative distance in metres	Adjustment in metres		
Course	Beogradski	Ultramaraton							11100100	
		1								
Date of measurer	nent	15.3.2015								
Time of riding of	calibration course	10:20		Time of riding - c	alibration course finish	11:3)			
Temperature		3		Temperature		1	1			
Type of course		Circular								
Measurement		Steel tape		Bycicle tires		airless				
Location	Kaleme	gdan, Beograd, Serbia								
Starting count	776867			Starting count		81877)			
Ride	Counts	Relative		Ride		Counts	Relative			
Ride 1	779131	2.264,0		Ride 1		82103	2.264.0			
Ride 2	781395,5	2.264,5		Ride 2		82329	2.265,0			
Ride 3	783659	2.263,5		Ride 3		82556	2.264,0			
Ride 4	785923	2.264,0		Ride 4		82782	2.265,0			
	Average	2,264.0	counts		Constant of the day	Average	2.264.5	counts		
	Distance	199.96056	m		11.3348	Distance	199,96056	m		
	For 1km	11.322.233				For 1km	11.324.733			
	Workign constant	11,3336		Finish constant with r		th correction	11,3361			
Starting count	Relative	Absolute	Maters (work cost)	Description						
Section 1	HCHEUYC	Passonate	meters (work ense)	Description						
802400	0	0	0	start						
808153	5753	507.61	507.61	Shortest distance to point A (exit to pede		estrian road)				
810299	2146	189.35	696,96	End of pedestrian road						
812441	2142	189,00	885,95	Shortest distance to point B (oposite to r		point A)				
817787	5346	471,70	1.357,65	finish (same as st	tart)					
	Total measured		Meters (with cost o	f dav)						
	15,387		1357,500019	m						
L					4	-				

Desired length of course: 1300m

Length of course as measured: _____1357,65m

Note any adjustments made to the course after measurement: ____

As organizer wanted course with 1300m, we re-measured section

from A to B in order to achieve full length of 1300m. 160,35m from A

(1.817 counts)

INTERNATIONAL ASSOCIATION OF ATHLETICS FEDERATIONS 70

- -