



**11-14**

**April**

**2019**

**OPEN GRODNO CUP**



**BULLETIN 3**



## OPEN GRODNO CUP 2019

### Bulletin 3

11-14 April 2019

*Ranking events of the  
Belarusian Orienteering Federation Cup  
Organized since 1977*

#### ORGANIZERS

- Ministry of Sports and Tourism of the Republic of Belarus
- Belarusian Orienteering Federation
- Grodno City Executive Committee
- Yanka Kupala State University of Grodno
- Kronan Orienteering Club

#### COMPETITION VENUE



Grodno city is located in the west of Belarus, 30 km from the border with Lithuania, and 20 km from the border with Poland.

#### Distances to Grodno:

- from Vilnius, Lithuania – 169 km;
- from Kaunas, Lithuania – 170 km;
- from Warsaw, Poland – 270 km;
- from Minsk, Belarus – 278 km;
- from Riga, Latvia – 429 km.

## COMPETITION CENTER / CONTACTS

### Event center:

Kronan Orienteering Club, BLK, 3 Grodno, Belarus.

### Postal address for correspondence:

Vovzhetskogo Str. 47-1, Grodno 230027, Belarus

### Contact person

Russian, Polish: Edvard Arodz, +375 29 5889911, [arodz.ed@gmail.com](mailto:arodz.ed@gmail.com)

Russian, English: Dmitry Mihalkin, +375 29 6983946, [dmitrii\\_mihalkin@mail.ru](mailto:dmitrii_mihalkin@mail.ru)

Chief Referee: Edvard Arodz

Chief Secretary: Dmitry Mihalkin

Course setters:

- Kostya Briginets (Relay);
- Aliaksei Shvants (Classic);
- Viktor Lukoiko (Sprint)

National Controller: Andrei Yakauleu

Inspectors: Ivan Afanasyev, Sergey Usenko, Edvard Arodz.

Head of course setters team: Viktor Lukoiko

Head of the Start team: Angelina Rusakova

Head of the Finish team: Maksim Vasilevich

Timing: Przemek Patejko

Jury members:

- Andrei Yakauleu
- Petr Mironov
- Vitaly Penkrat

Event website: [www.kronan.by](http://www.kronan.by)

**11-14.04.2019**



## SCHEDULE

### OPENGRODNO CUP– 2019

11.04.2019 Thursday	17.00 – 21.00 Registration at the Event center
12.04.2019 Friday	11.00 – 13.00 Registration at the Arena 13.15 – 13.30 Opening ceremony 14.00 Relay competitions
13.04.2019 Saturday	11.00 Classic distance competitions 11.00 – 12.00 Start in Open classes 17.00 – Prize given ceremony for the 1st and 2nd days. Lottery, entertainment. Venue: Gilibert Park (53.686264, 23.839105)
14.04.2019 Sunday	10.00 – Sprint competitions 10.00 – 11.00 Start in Open classes 13.30– Prize-giving and closing ceremony

## CLASSES

### Classic and Sprint

Men/Women: 12, 14, 16E, 16A, 18E, 18A, 21E, 21A, 35, 45, 50, 55, 60, 65, 70, 80.

Open 0 (marked course)

Open 1 (technically complicated and short - length course)

Open 2 (technically simple and short - length course)

### Relay

Men/Women 12, 14, 16, 18, 21 – 3 legs

Men/Women 35, 45, 55, 65 – 2 legs

**No start for classes Open 0, Open 1, Open 2!**

Organizers may unite classes in case of a small number of participants in a class (less than 5). The number of athletes in teams is not limited.

**11-14.04.2019**

## PUNCHIG SYSTEM

SportIdent punching system will be used. It is allowed use personal SI-cards of any series. Contactless punching system «SPORTident AIR+» will not in use.

SI-cards may be rented from the organizers for 2 Belarusian rubles (ca. 1 EURO) for all days.

## NUMBER BIBS

Runners get number bibs at the registration. There will be two separated sets. One for Relay and the second for the last two days of the competitions.

Participants must wear their number bibs on the chest and it must be visible during the race.

## GPS-TRACKING

GPS-trackers will be used for M/W21E. Live GPS-broadcasting will be available at arenas and online.

5 women and 8 men from Elit classes will have to carry GPS devices. They will be handed out 4 minutes before the respective start of the runners. Selected runners can't refuse to care GPS devices .

There also will be broadcast of intermediate results of participants from radio controls on the screen and on the Internet.

## MEALS

Expenses for meals are to be covered by the competition participants themselves.

Cafeterias will operate in the finish area each competition day.

**11-14.04.2019**

## TRANSPORT

The athletes may use personal or public transport.

Transportation may be provided by the organizers on 1st and 2nd competition days by prior request.

12.04.2019. to the Relay arena and back (2 BYN); Departure at 12:00.

13.04.2019. to the Classic distance arena and back (3 BYN); Departure at 9:30.

Departure of the organizers' buses will be from the parking near the Philharmonic. Address: Gornovych Str. 17. (coordinates: 53.667935, 23.819809).

Prices for round trip. Tickets can be purchased at the registration. On Friday 12.04 tickets can be purchased from the bus driver.

13.04.2019 will be organized an additional free shuttle bus from the Tent Camp to the Prize given ceremony and back. Departure at 16.30 from Korobchitsy, back trip right after award ceremony ends.

## MEDICAL CARE

During all competition days there will be an ambulance at the arena.

At the registration, please present a medical certificate of your state of health, certified by a doctor. Mature participants may present a signed acknowledgement of personal responsibility over your health and safety ([download form](#))

## LOTTERY

Before prize given ceremony on Saturday there will be a lottery by the runners number bibs. Participants must bring their own number bibs.

## RESULTS

Overall team results are determined by the highest score in three disciplines of the program.

Team results in Relay are determined by the sum of points of the top 5 teams in any class from table:

Place	1	2	3	4	5	6	7	8	9	10	11	12...
<b>Points</b> <b>M/W 12, 14, 16, 18, 21</b>	291	267	249	237	228	219	210	201	192	183	174	165...
<b>Points</b> <b>M/W 35, 45, 55, 65</b>	197	185	176	168	161	157	153	149	145	141	137	133...

Team results in Classic and Sprint are determined by the sum of the top 10 team members in any class:

Place	1	2	3	4	5	6	7	8	9	10	11...
<b>Points</b> <b>M/W 16E, 18E, 21E</b>	100	97	94	91	89	87	85	83	81	80	79...
<b>Points</b> <b>Other classes</b>	80	77	74	71	69	67	65	63	61	60	59...

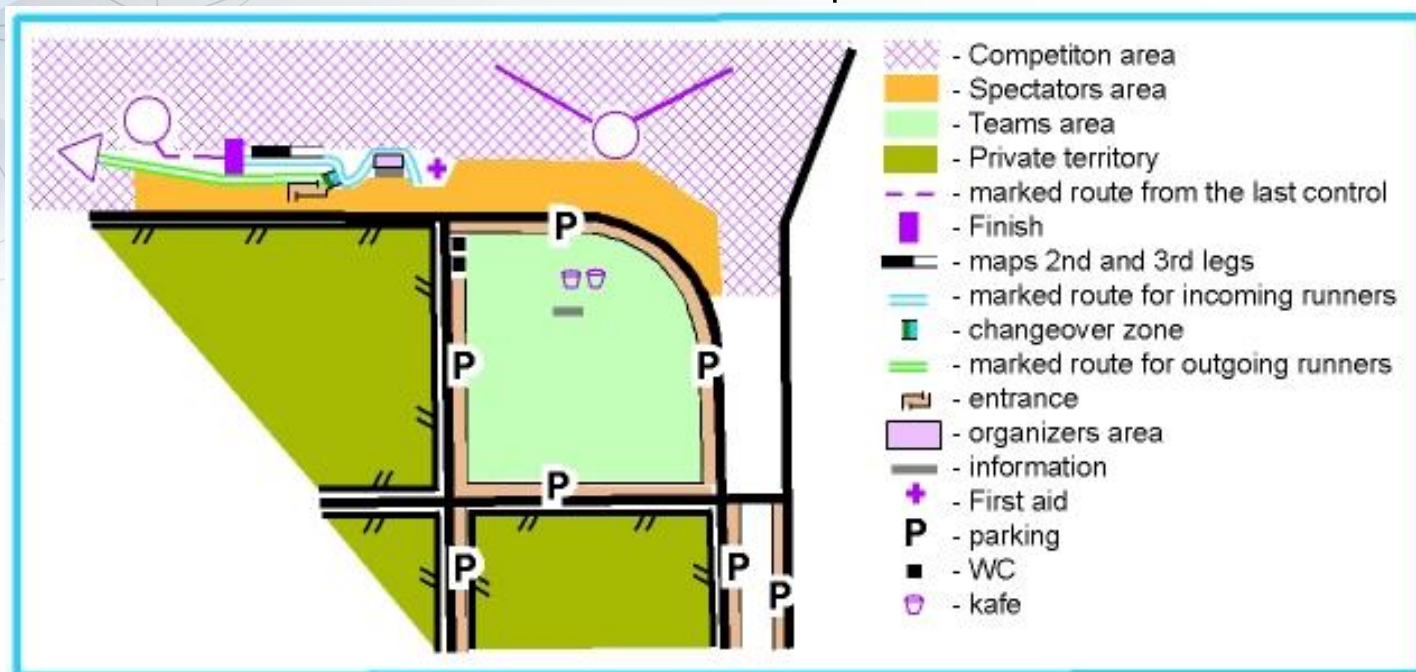
In case the points are equal, preference is given to the team that has the best result in Relay.

Winners and medalists in individual competitions and in Relay are awarded with diplomas, medals and memorable prizes.



## 12 APRIL 2019. RELAY

Arena map:



Arena coordinates

53.659305, 23.757068

Public transport

Buses: 4 and 35 to stop «Shcola», after 1,9 km by the street Venechnaya to the district Lososno-4.  
(clickable image)



Buses: 7, 28, 38, 42, 43; Mini Buses: 7т, 10т, 11т, 35т to stop «Supermarket Almi», after 2,7 km.  
(clickable image)



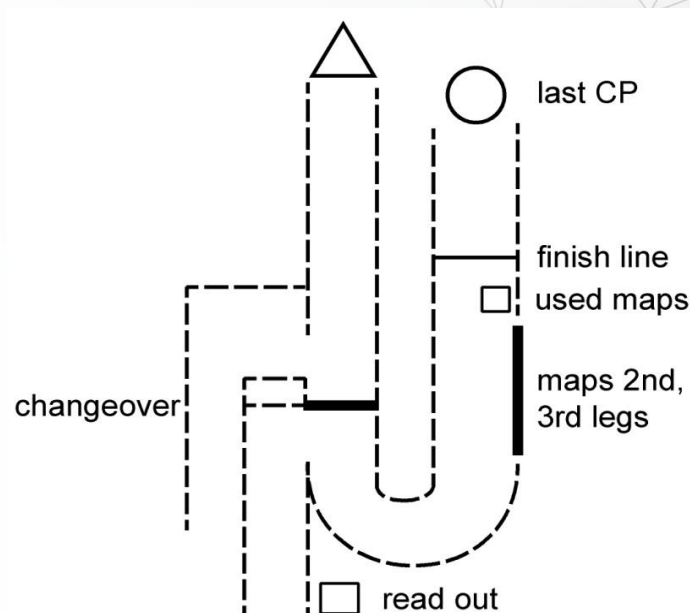
Start time

14:00 – MW21,  
14:10 – MW12-18  
14:20 – MW35-65

11-14.04.2019

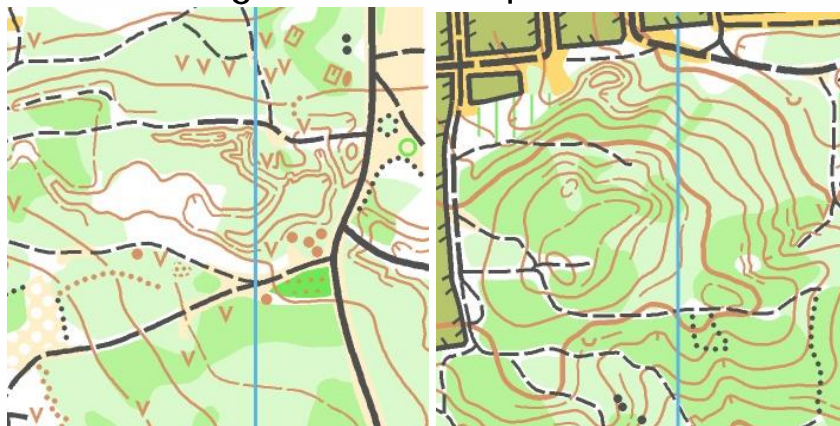


## Changeover map



## Terrain description

Mixed forest. Runability from good to bad. Moderate hilly terrain with a good network of paths and roads.



## Dangerous places

Dirt road on the east side on the map with moderate intensive traffic.

## Map

Prepared in 2018

Map Author: Sergey Usenko

Scale 1:7500, contour interval 2,5 m. ISOM 2017.

Map size A4. Maps are placed in plastic bags.

Control descriptions are printed directly on the map as a pictogram.

Course setter – Kostya Briginets

Inspector – Ivan Afanasiev

The map is surrounded on all sides by private buildings, the emergency azimuth is southeast to the competition arena.

11-14.04.2019

Time limit  
(team)

MW12-18 - 300 min

MW21 – 300 min

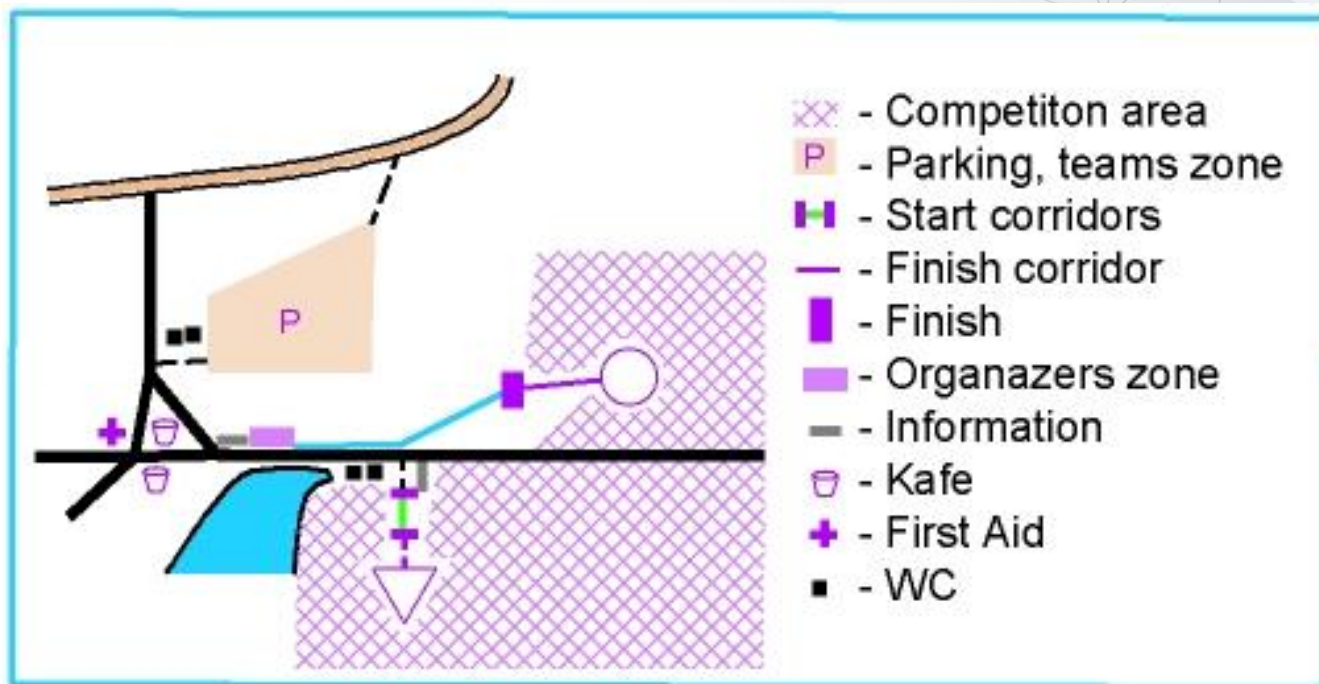
MW35-65 – 180 min

Courses:

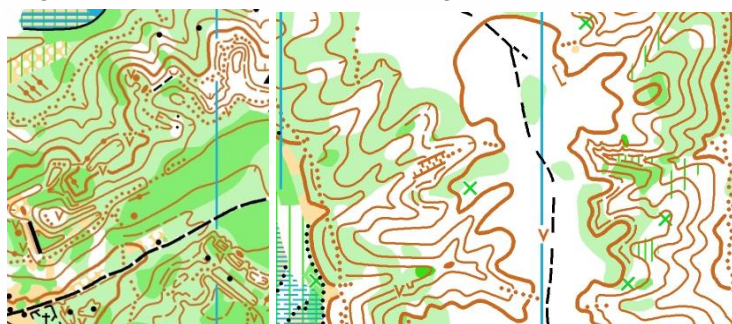
Class	length, km	Controls	Before spectator control, km
M12	2.7	8	1.6
M14	3.1	9	2.1
M16	4.1	10	2.7
M18	5.0	14	3.2
M21	6.7	17	4.5
M35	5.8	14	3.8
M45	4.7	12	3.0
M55	3.9	11	2.8
M65	3.3	10	2.2
W12	2.6	7	1.6
W14	2.8	8	1.8
W16	3.4	8	2.4
W18	4.0	9	2.5
W21	5.0	14	3.4
W35	4.5	12	3.1
W45	4.3	13	2.6
W55	3.8	10	2.7
W65	3.1	9	2.1

# 13 APRIL 2019. CLASSIC COURSE

Arena map:



Arena coordinates	53.630841. 23.658087
Location distances	From Arena to Start – 550 m; From Finish to Arena – 600 m.
Public transport	Buses “Grodno-Rogachi” from the Central bus station to stop “Sanniki”.  (clickable image)
Terrain description	Mixed forest. Runability mostly medium and bad. Some places with an undergrowth of raspberry thickets. Moderate hilly terrain with a maximum height difference up to 50 meters. There are only few paths and roads. Many artificial landforms. fortifications are displayed with the sign 521. wells - with the sign 203.

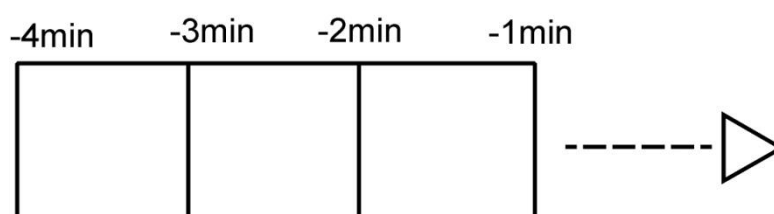


11-14.04.2019



Dangerous places	Steep hills. raspberry thickets. fortifications
Map	<p>Prepared in 2016</p> <p>Map Author: Aleksandr Efimenko</p> <p>Revision: Gennadiy Tridenskiy. 2016-2017; Sergey Usenko. 2018</p> <p>Map size - A4</p> <p>Map scale:</p> <p>1:7500 for classes MW12. MW14. M50-80. W35-80. Open 0.1.2;</p> <p>1:10000 other classes</p> <p>Contours interval – 5 m.</p> <p>Control descriptions are printed directly on the map as a pictogram. Spare control descriptions will be available at the start corridor. Maps are placed in plastic bags.</p> <p>Course setter – Aliaksei Shvants</p> <p>Inspector – Sergey Usenko</p> <p>From the south the competition area is limited an asphalt road.</p> <p>from the east with agricultural fields. cottage buildings and wide logging. from the west - by field. reservoir and swamp.</p> <p>from the north - by the field.</p>

#### Start scheme



- 4 min (clear SI. GPS)
- 3 min (control descriptions)
- 1 min (maps)

Time limit	<p>MW12-14 - 100 min</p> <p>MW16-18. M65-80. W60-80. Open 0.1.2 - 120 min</p> <p>Other classes - 150 min</p>
Refreshment	Longer courses have drinking points that are marked on the map.



11-14.04.2019

Courses:

Class	Controls	length. km
M12	6	2.04
M14	8	2.4
M16A	12	3.85
M16E	15	5.45
M18A	16	5.94
M18E	23	8.35
M21A	18	6.56
M21E	23	8.76
M35	20	7.87
M45	18	6.56
M50	15	5.19
M55	14	4.62
M60	12	4.02
M65	11	3.68
M70	9	3.03
M80	9	3.03

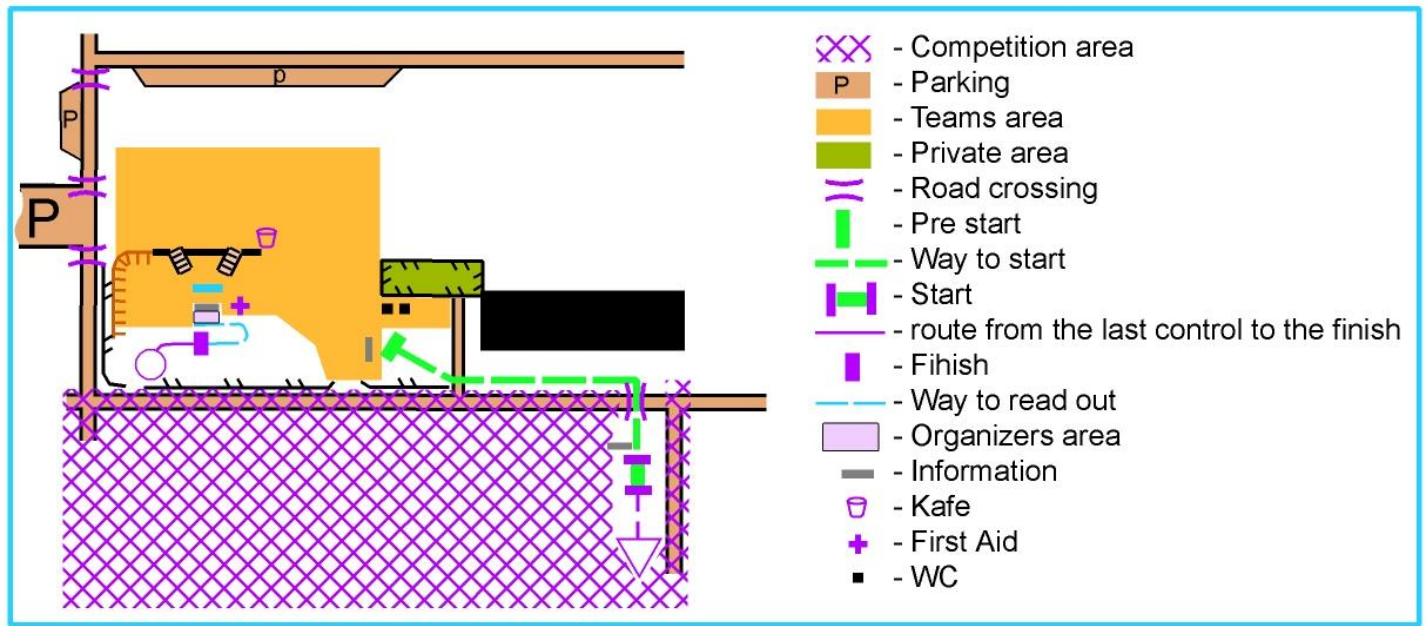
Група	Controls	length. km
W12	6	2.04
W14	7	2.36
W16A	9	2.95
W16E	12	4.23
W18A	15	5.45
W18E	17	6.12
W21A	13	4.3
W21E	20	7.87
W35	15	5.19
W45	15	5.19
W50	14	4.62
W55	12	4.02
W60	11	3.68
W65	11	3.68
W70	9	3.03
W80	9	3.03

Class	Controls	length. km
Open 0	6	2.25
Open 1	11	3.27
Open 2	9	2.45

11-14.04.2019

# 14 APRIL 2019. SPRINT

Arena map:



Arena coordinates 53.684132. 23.836205

Public transport Buses: 4, 6, 8, 9, 15, 17, 20, 26, 46, 59 и 60;  
Mini Buses: 1т, 7т, 8т, 15т, 22т и 36т to stop  
« Puppet Theatre », after 240 m.  
(clickable image)



Buses: 8, 9, 15, 20, 46, 60; Mini Buses: 1т, 8т, 15т, 22т и 36т to stop « University », after 210 m.

(clickable image)



Terrain description City building of the old city. Areas that are prohibited to cross - roads. (sign 709). flower beds. built-up areas (sign 527). impossible fences and walls.



Dangerous places Car traffic in the main roads and in the yard areas.

Shoes Running shoes without metal dubs.



## Map

Prepared 2019

Map Author Artsiom Lohinau

Map size: A4. Scale: 1:4000

Contour interval 2 m.

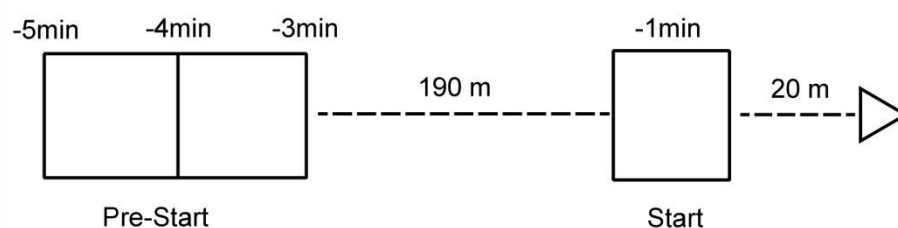
Control descriptions are printed directly on the map as a pictogram. Spare control descriptions will be available at the start corridor. Maps are placed in plastic bags.

Course setter – Viktor Lukoiko.

Inspector – Edvard Arodz

The competition area is bounded from the east - st. Lenin. from the west - st. Socialist. from the south - st.Kirov.

## Start scheme



-5 min (clear SI. GPS)

-4 min (control descriptions)

-3 min (marked route 190 m )

-1 min (maps)

## Time limit

40 min (for all Classes)

## Courses:

Class	Controls	Length. km
M12	8	1.12
M14	13	1.86
M16A	18	1.96
M16E	17	2.17
M18A	18	2.02
M18E	19	2.59
M21A	18	2.02
M21E	19	2.59
M35	17	2.17
M45	18	2.02
M50	18	1.96
M55	13	1.86
M60	11	1.35
M65	11	1.35
M70	8	1
M80	7	0.97

Class	Controls	Length. km
W12	8	1.12
W14	13	1.86
W16A	13	1.86
W16E	18	2.02
W18A	18	1.96
W18E	17	2.17
W21A	18	1.96
W21E	17	2.17
W35	18	2.02
W45	18	1.96
W50	13	1.86
W55	11	1.35
W60	8	1
W65	8	1
W70	7	0.97
W80	7	0.97

11-14.04.2019

Class	Controls	Length. km
Open 0	7	0.64
Open 1	18	1.96
Open 2	7	0.97

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**competition site**



**11-14.04.2019**