Open online precision orienteering training on rocks «The Rock Labyrinth (online) – 2020. Autumn stage »

Petrogradsky Tourist Club (Russia, St. Petersburg)

November 15th, 2020

Training Terms

1. General information

Distance: «precision orienteering» (PreO), including time control, on rocks.

The time limit to go the main part of the distance is 2 hours. The time limit to go the time control is 10 minutes (since the end of the main part of the distance).

Each participant goes the distance (performs tasks) individually.

2. Distance description

The main part of the distance consists of 10-15 stages (stations). At each stage a photo with 4-6 flags is presented. Photos taken from a decision point. Flags in photos are drawn. At each stage there are 3-5 tasks (controls). Total number of tasks: 50.

Flags in photos do not have labels or other designations. The order of flags is determined by photo from left to right as follows (even if one is higher, the other is lower): «A», «B», «C», «D», «E», «F». The correct matching of flags to letters is up to participants.

Under photo in each task there is a map of the area tied to the cardinal points where a circle indicates a control (given feature is in the centre of the circle). If the orientation of the map and photo do not match (different views are used), the direction of observation is shown on the map by an arrow. Under map in each task there is a control description.

In each task, it is necessary to determine whether the feature, located on the map in the center of the circle and described by control description, is marked with a flag on the area. Simultaneously the location of the flag should also correspond to the control description. If one of the flags in the photo meets this requirement, it is necessary to determine its letter designation («A», «B», «C», «D», «E», «F») and select the appropriate answer.

The answer option «Z» (Zero) is also possible, which is called the zero answer, - the absence of a flag corresponding to the feature, located on the map in the center of the circle, and to the control description. The allowed deviation of the flag location from the specified point, when exceeded, the response "Z" is given, is called Zero tolerance. Zero tolerance: 1 m, 45 °.

The ranking of participants with the same number of correct answers is based on the results of the time control (additional stage). This stage is performed after the end of the main part of the distance (the link to the time control will be provided after sending the answers to the main part of the distance). There are 3 tasks at the time control. Please note that the answer option «Z» is impossible at the time control.

3. Description of area and maps

The rocks of the Vyborg District of the Leningrad Region, where «The Rock Labyrinth» was held earlier, will be presented. For preparing the tasks photos and cartographic materials of past years and also new photos have been used.

The traditional stages of the competition «The Rock Labyrinth» - stage «Rocks» and stage «Stones» - are included in the training distance. Nonetheless, unlike competition, there is no need to perform techniques at online training.

Stage «Rocks»

The stage is located on a rock district with total steep of 60-80°, in forest area. The height difference is up to 30 m. The length of the rock is no more than 60 m in plane. The tasks will contain fragments of the stage.

The stage map is a frontal projection (front view) of a rock district. The map shows elements of rock terrain (walls, slabs, shelves and terraces, internal and external corners, cracks, stones, etc.), trees, dry wood, dead wood (fallen trees), stumps, restrictions (marking tape).

Stage «Stones»

The stage is located on a restricted area of rough terrain (with artificial restrictions), covered with stones of medium and large sizes, in forest area. The height difference is up to 5 m. The area size is no more than 60 x 60 m. The tasks will contain fragments of the stage.

The map shows stones contours, visible height difference, rock walls, trees, dry wood, dead wood (fallen trees), stumps, restrictions (marking tape), wooden stakes as a part of restrictions.

Map symbols of the stage «Rocks» (rock terrain) and the stage «Stones» (area with stones) are given in Annex 1 to these terms.

4. Control descriptions

Control descriptions are given in accordance with <u>International Specification for Control</u> <u>Descriptions</u>.

Please note that there are two features of control descriptions for trail orienteering. In column «B» - the number of visible flags (e.g. A-C equals three flags; A-E equals five flags). In column «H» - direction of observation (if necessary).

Short control descriptions are given in Annex 2 to these terms.

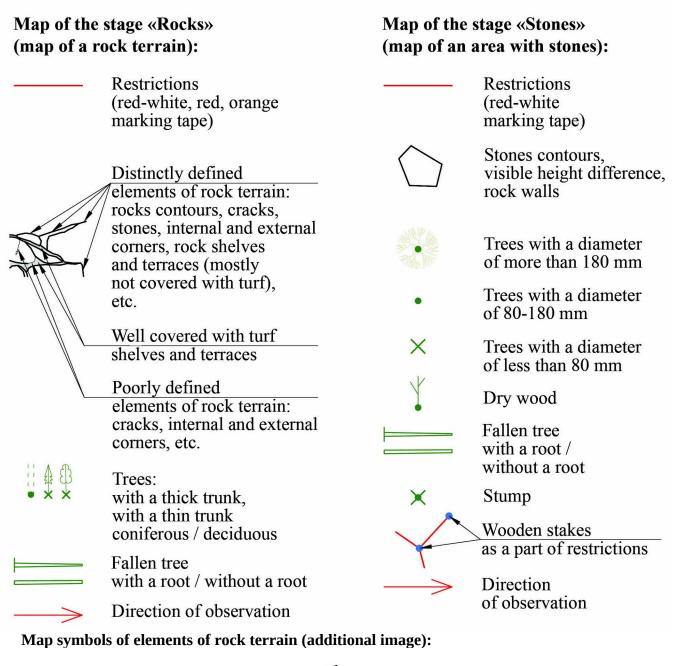
5. Results

Each correctly identified control (excluding time control) scores one point. The priority indicator for determining of training results is the number of correct answers to the main part of the distance. The time spent on the main part of the distance does not matter. However, it is necessary to meet the set time limit (2 hours). During this time limit all tasks of the main part of the distance should be performed.

The result for the time control is determined by the sum of the time at this stage and the penalty (60 seconds for each wrong answer).

The participant who received the most points, and if the points are equal has less time at the time control (including penalties for errors), takes a higher place.

MAP SYMBOLS



Distinctly defined elements of rock terrain: rocks contours, cracks, stones, internal and external corners, rock shelves and terraces (mostly not covered with turf), etc. (are shown in bold lines) Well covered with turf shelves and terraces (are shown in gray tone) Poorly defined elements of rock terrain: cracks, internal and external corners, etc. (are shown in thin lines)

Annex 2

CONTROL DESCRIPTIONS

IOF Control	E - Appearance	F - Dimensions
Descriptions 2018	Low	1.5 Height or Depth
	Shallow	5 x 3 Size
This is a summary of the IOF	∫ Deep	^{1.9} / _{2.5} Height on slope
pictorial control descriptions. Full	Overgrown	1.5 2.5 Heights of two features
details can be obtained from the	Open	X Crossing
IOF web site at	Rocky, Stony	Y Junction
http://www.orienteering.org	∃ Marshy	Bend
	Sandy	
ABCDEFGH	우 Needle leaved	H - Other Information
1 A-F ↓ ⊖ 🞆 ^{15 x 5} O ↑	다 다 Hoodilo Houved	➡ First aid post
A Control number	A Ruined	Refreshment point
		★ Manned control
B Number of visible flags	G - Location of Flag	Direction of observation
C Which of any similar feature	Image: Non-Execution of Flag Image:	
D Control feature	Q South East Edge	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
E Appearance	East Part	Follow Taped Route
F Dimensions/combinations/bend	South West Corner (inside)	away from control
G Location of control flag	North Corner (outside)	Follow Taped Route
H Other information		between controls
C - Which Feature		Mandatory crossing point or points
↑ Northern		Mandatory passage
		through out of bounds area
Upper	Lower Part	O−−−20 m−−→ Follow Taped Route to Map Exchange
	П Тор	Eollow Taped Boute
Middle	Foot	to Finish
D - Control Feature	O North East Foot	Navigate to Finish Funnel, then follow tapes
See below.	Beneath	
See below.	Between	90 m Navigate to Finish, no tapes
Land forms	Water and march	Man-made features
Land forms	Water and marsh	Man-made features
	Constant Lake	Road
D Terrace	© Lake ♡ Pond	Road Track, Path
D Terrace	© Lake ♡ Pond ♡ Waterhole	Road / Track, Path Ride
D Terrace D Spur ∧ Re-entrant >¬¬¬ Earth bank	Image: Constraint of the second s	Road Track, Path Ride Bridge
▷ Terrace ▷ Spur ∧ Re-entrant	Image: Constraint of the second s	Road Road Ride Bridge Nower line
Description Terrace Description Spur Constraint Re-entrant nm Earth bank Constraint Quarry +++ Earth wall	Image: Constraint of the system Lake Image: Constraint of the system Pond Image: Constraint of the system Waterhole Image: Constraint of the system River, Stream, Watercourse Image: Constraint of the system Minor water channel, Ditch Image: Constraint of the system Narrow marsh	Road Road Ride Bridge Power line Power line pylon
D Terrace D Spur ∧ Re-entrant Trr Earth bank ♥ Quarry ## Earth wall ∧ Erosion gully	Image: Constraint of the system Lake Image: Constraint of the system Pond Image: Constraint of the system Waterhole Image: Constraint of the system River, Stream, Watercourse Image: Constraint of the system Minor water channel, Ditch Image: Constraint of the system Narrow marsh Image: Constraint of the system Marsh	✓ Road ✓ Track, Path ✓ Ride ✓ Bridge ✓ Power line Ø Power line pylon ★ Tunnel
Description Terrace Description Spur Constraint Re-entrant nm Earth bank Constraint Quarry +++ Earth wall	Image: Second system Lake Image: Second system Pond Image: Second system Waterhole Image: Second system River, Stream, Watercourse Image: Second system Minor water channel, Ditch Image: Second system Marrow marsh Image: Second system Marsh Image: Second system Firm ground in marsh	✓ Road ✓ Track, Path ✓ Ride ✓ Bridge ✓ Power line Ø Power line pylon ✓ Tunnel ✓ Wall
Description Terrace Spur Spur C Re-entrant Terrace Re-entrant Re-entrant Re-entrant Terrace Re-entrant Small erosion gully Small erosion gully	Image: Second system Lake Image: Second system Pond Image: Second system Waterhole Image: Second system River, Stream, Watercourse Image: Second system Minor water channel, Ditch Image: Second system Marrow marsh Image: Second system Marsh Image: Second system Firm ground in marsh Image: Second system Well	Road ✓ Track, Path ✓ Ride ✓ Bridge ✓ Power line Ø Power line pylon ✓ Tunnel ✓ Wall ✓ Fence
Description Terrace Spur Spur C Re-entrant F Earth bank C Quarry ## Earth wall A Erosion gully Small erosion gully O Hill Hill	Image: Spring Lake Image: Spring Pond Image: Spring Lake Image: Spring Spring	Road ✓ Track, Path ✓ Ride Ø Bridge ✓ Power line Ø Power line pylon ★ Tunnel ✓ Wall ✓ Fence + Crossing point
Description Terrace Spur Spur Constraint Re-entrant Mark Earth bank Constraint Re-entrant Mark Earth bank Constraint Re-entrant Mark Earth bank Constraint Erosion gully Mark Erosion gully Mark Erosion gully Mark Erosion gully Mark Erosion gully Small erosion gully Hill Knoll Saddle	Image: Second system Lake Image: Second system Pond Image: Second system Waterhole Image: Second system River, Stream, Watercourse Image: Second system Minor water channel, Ditch Image: Second system Marsh Image: Second system Firm ground in marsh Image: Second system Well	Road ✓ Track, Path ✓ Ride Ø Bridge ✓ Power line Ø Power line pylon ✓ Tunnel ✓ Wall ✓ Fence ++ Crossing point ■ Building
Description Terrace Spur Spur C Re-entrant Free Earth bank C Quarry ## Earth wall C Erosion gully Small erosion gully Small erosion gully O Hill ● Knoll)(Saddle O Depression	Image: Constraint of the system Lake Image: Constraint of the system Pond Image: Constraint of the system Waterhole Image: Constraint of the system River, Stream, Watercourse Image: Constraint of the system Minor water channel, Ditch Image: Constraint of the system Marsh Image: Constraint of the system Marsh Image: Constraint of the system Well Image: Constraint of the system Well Image: Constraint of the system Water tank, Water trough	Road ✓ Track, Path Ride Bridge ✓ Power line Ø Power line pylon ✓ Tunnel ✓ Wall ✓ Fence ++ Crossing point ■ Building ☑ Paved area
Depression C Free C Re-entrant Free Earth bank C Quarry ## Earth wall C Brosion gully Small erosion gully O Hill Image: Construction of the second	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Ch Spring Water tank, Water trough Vegetation	Road ✓ Track, Path ✓ Ride Ø Bridge ✓ Power line Ø Power line pylon ✓ Vall ✓ Fence ++ Crossing point ■ Building ☑ Paved area ↓ Ruin
▷ Terrace ▷ Spur ≺ Re-entrant ▷ Earth bank ♥ Quarry ♥ Earth wall ∧ Erosion gully ♥ Small erosion gully ● Knoll ○ Depression ○ Small depression ∨ Pit	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Spring Water tank, Water trough Vegetation Open land	Road Track, Path Ride Bridge Power line Power line pylon Tunnel Vall Image: Provent line Power line Power line pylon Image: Provent line Power line Power line Power line Power line Power line Power line Parea Ruin Pipeline, Bobsleigh track
→ Terrace → Spur ∧ Re-entrant → Earth bank ◇ Quarry +++ Earth wall ∧ Erosion gully ◇ Small erosion gully ◇ Hill ● Knoll >)(Saddle ○ Small depression ∨ Pit ◇ Broken ground	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Rev Spring Water tank, Water trough Vegetation Open land Semi-open land	Road Track, Path Ride Bridge Power line Power line pylon Tunnel Vall r Fence ++ Crossing point Building Paved area Ruin r Pipeline, Bobsleigh track Tower, Pylon
▷ Terrace ▷ Spur ∧ Re-entrant ▷ Quarry ♥♥ Earth wall ∧ Erosion gully ♥ Small erosion gully ● Hill ● Knoll)(Saddle ● Depression ○ Small depression ∨ Pit ♥ Broken ground ★ Ant hill, Termite mound	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Cr. Spring Water tank, Water trough Vegetation Open land Corest corner	Road ✓ Track, Path Ride Bridge Power line Power line pylon ✓ Power line pylon ✓ Vall ✓ Fence + Crossing point ■ Building ☑ Paved area □ Ruin ✓ Pipeline, Bobsleigh track Tower, Pylon Shooting platform
▶ Terrace ▶ Spur ∧ Re-entrant ▶ Earth bank ♥ Quarry *** Earth wall ∧ Erosion gully ♥ Small erosion gully ● Hill ● Knoll)(Saddle ● Depression ∪ Small depression ∨ Pit ♥ Broken ground ★ Ant hill, Termite mound	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Ch Spring Water tank, Water trough Vegetation Open land Semi-open land Forest corner Clearing	Road ✓ Track, Path Ride Bridge Power line Power line pylon ✓ Power line pylon ✓ Vall ✓ Fence ++ Crossing point Building Paved area ✓ Pipeline, Bobsleigh track ▼ Tower, Pylon ✓ Shooting platform ⊙ Boundary stone, Cairn
> Terrace > Spur Re-entrant > Earth bank C Quarry +++ Earth wall Erosion gully Small erosion gully O Hill • Knoll)(Saddle O Depression O Small depression ∨ Pit >> Broken ground Ant hill, Termite mound Rock and boulders [T] Cliff, Crag	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Ch Spring Water tank, Water trough Vegetation Open land Semi-open land Forest corner Clearing Marsh Lake Pond Nater channel, Ditch Narrow marsh Marsh Firm ground in marsh Ch Spring Ch Spring Ch Semi-open land Semi-open land	Road ✓ Track, Path Ride Bridge Power line Power line pylon ✓ Power line pylon ✓ Vall ✓ Fence + Crossing point ■ Building ☑ Paved area □ Ruin ✓ Pipeline, Bobsleigh track T Tower, Pylon □ Shooting platform ⊙ Boundary stone, Cairn ↑ Fodder rack
> Terrace > Spur Re-entrant > Earth bank C Quarry +++ Earth wall Erosion gully Small erosion gully O Hill • Knoll)(Saddle O Depression ∨ Pit Small depression V ∨ Pit Small depression Cliff, Crag Rock pillar Rock pillar	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Ch Spring Water tank, Water trough Vegetation Open land Semi-open land Forest corner Clearing Marsh Lake Pond Nater channel, Ditch Narrow marsh Marsh Firm ground in marsh Ch Spring Ch Spring Ch Semi-open land Semi-open land	Road Track, Path Ride Bridge Power line Power line pylon Tunnel Vall Image: Provide the system Power line pylon Vall Image: Provide the system Power line pylon Vall Image: Provide the system Image: Provide the system
> Terrace >> Spur Re-entrant >> Earth bank Quarry +++ Earth wall Erosion gully Small erosion gully Small erosion gully Hill Knoll >)(Saddle Depression Small depression Pit >> Broken ground Ant hill, Termite mound Rock and boulders Rock pillar Cave	Image: Spring Image: Spring Image: Spring Water tank, Water trough Image: Spring Well Image: Spring Water tank, Water trough Image: Spring Well Image: Spring Well Image: Spring Well Image: Spring Well Image: Spring Water tank, Water trough Image: Spring Well Image: Spring Water tank, Water trough Image: Spring Well Image: Spring Well Image: Spring Well Image: Spring Well Image: Spring Water tank, Water trough Image: Spring Well Image: Spring Spring Image: Spring Well Image: Spring Spring	Road Track, Path Ride Bridge Power line Power line pylon Tunnel Vall r Fence + Crossing point Building Paved area Ruin r Pipeline, Bobsleigh track Tower, Pylon Shooting platform Boundary stone, Cairn Fodder rack Platform A
> Terrace > Spur Re-entrant > Earth bank Quarry ## Earth wall Erosion gully > Small erosion gully > Small erosion gully > Small erosion gully > Small depression > Small depression > Pit > Broken ground Ant hill, Termite mound Ant hill, Termite mound Rock and boulders Cliff, Crag Rock pillar Cave Boulder Boulder	Image: Second system Lake Image: Second system Pond Image: Second system Waterhole Image: Second system River,Stream,Watercourse Image: Second system Minor water channel, Ditch Image: Second system Marsh Image: Second system Marsh Image: Second system Marsh Image: Second system Well Image: Second system Spring Image: Water tank, Water trough Well Image: Second system Open land Image: Second system Open land Image: Second system Clearing Image: Second system Thicket Image: Second system Vegetation boundary	Road Track, Path Ride Bridge Power line Power line pylon Tunnel Vall Image: Parent State Paved area Ruin Pipeline, Bobsleigh track Tower, Pylon Shooting platform Shooting platform Boundary stone, Cairn Platform Anonument, Statue Image: Canopy
> Terrace >> Spur Re-entrant >> Earth bank Quarry +++ Earth wall Erosion gully Small erosion gully Small erosion gully Small erosion gully Hill Knoll >/(Saddle Depression Small depression Pit Broken ground Ant hill, Termite mound Rock and boulders Rock pillar Cave Boulder Boulder field	Image: Second system Lake Image: Second system Pond Image: Second system Waterhole Image: Second system Minor water channel, Ditch Image: Second system Marsh Image: Second system Marsh Image: Second system Marsh Image: Second system Well Image: Second system Well Image: Second system Open land Image: Second system Open land Image: Second system Clearing Image: Second system Linear thicket Image: Second system Vegetation boundary Image: Second system Prominent tree	Road Track, Path Ride Bridge Power line Power line pylon Tunnel Wall Image: Provide the sylon Image: Power line pylon Image: Power line pylon
> Terrace >> Spur Re-entrant >> Earth bank Quarry +++ Earth wall Erosion gully Small erosion gully Small erosion gully Small erosion gully Hill Knoll)(Saddle Depression Small depression Pit Broken ground Ant hill, Termite mound Rock and boulders Rock pillar Cave Boulder Boulder Boulder field	Image: Second system Lake Image: Second system Pond Image: Second system Waterhole Image: Second system Minor water channel, Ditch Image: Second system Marsh Image: Second system Marsh Image: Second system Marsh Image: Second system Well Image: Second system Well Image: Second system Open land Image: Second system Open land Image: Second system Clearing Image: Second system Linear thicket Image: Second system Vegetation boundary Image: Second system Prominent tree	Road Track, Path Ride Bridge Power line Power line pylon Tunnel Vall Image: Parent State Paved area Ruin Pipeline, Bobsleigh track Tower, Pylon Shooting platform Shooting platform Boundary stone, Cairn Platform Anonument, Statue Image: Canopy
> Terrace > Spur Re-entrant > Earth bank Quarry ## Earth wall Erosion gully Small erosion gully Small erosion gully Small erosion gully Hill Knoll)(Saddle Depression Small depression Pit Broken ground Ant hill, Termite mound Rock and boulders Cliff, Crag Rock pillar Boulder Boulder field Boulder cluster Stony ground	Image: Constraint of the second systemLakeImage: Constraint of the second systemPondImage: Constraint of the second systemRiver, Stream, WatercourseImage: Constraint of the second systemMinor water channel, DitchImage: Constraint of the second systemMarshImage: Const of the second systemMa	Road Image: Track, Path Ride Bridge Power line Power line pylon Image: Tunnel
> Terrace > Spur ∧ Re-entrant > Earth bank ♀ Quarry +++ Earth wall ∧ Erosion gully ♥ Small erosion gully ● Hill ● Knoll)(Saddle ● Depression ∨ Pit ♥ Broken ground Ant hill, Termite mound Rock and boulders Image: Cliff, Crag Rock pillar Cave ■ Boulder field ■ Boulder cluster > Stony ground > Bare rock	Image: Second system Lake Image: Second system Pond Image: Second system Waterhole Image: Second system Minor water channel, Ditch Image: Second system Marsh Image: Second system Marsh Image: Second system Marsh Image: Second system Well Image: Second system Well Image: Second system Open land Image: Second system Open land Image: Second system Clearing Image: Second system Linear thicket Image: Second system Vegetation boundary Image: Second system Prominent tree	Road Track, Path Ride Bridge Power line Power line pylon Tunnel Vall r Fence + Crossing point Building Paved area Ruin Pipeline, Bobsleigh track Tower, Pylon Shooting platform Boundary stone, Cairn Fodder rack Platform Anonument, Statue Canopy r Stairway Out of bounds area
> Terrace >> Spur Re-entrant >> Earth bank Quarry +++ Earth wall Erosion gully Small erosion gully Small erosion gully Small erosion gully Small erosion gully Saddle Depression Small depression Pit Broken ground Ant hill, Termite mound Rock and boulders Cliff, Crag Rock pillar Boulder Boulder Boulder field Boulder cluster Stony ground	Image: Constraint of the second systemLakeImage: Constraint of the second systemPondImage: Constraint of the second systemRiver, Stream, WatercourseImage: Constraint of the second systemMinor water channel, DitchImage: Constraint of the second systemMarshImage: Const of the second systemMa	Road Image: Track, Path Ride Bridge Power line Power line pylon Image: Tunnel