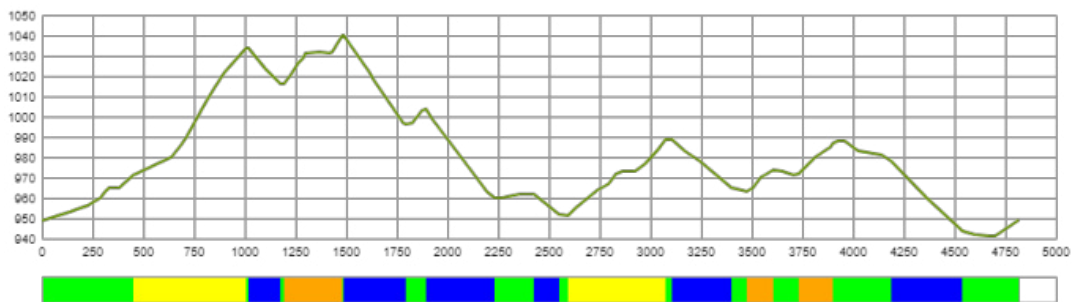




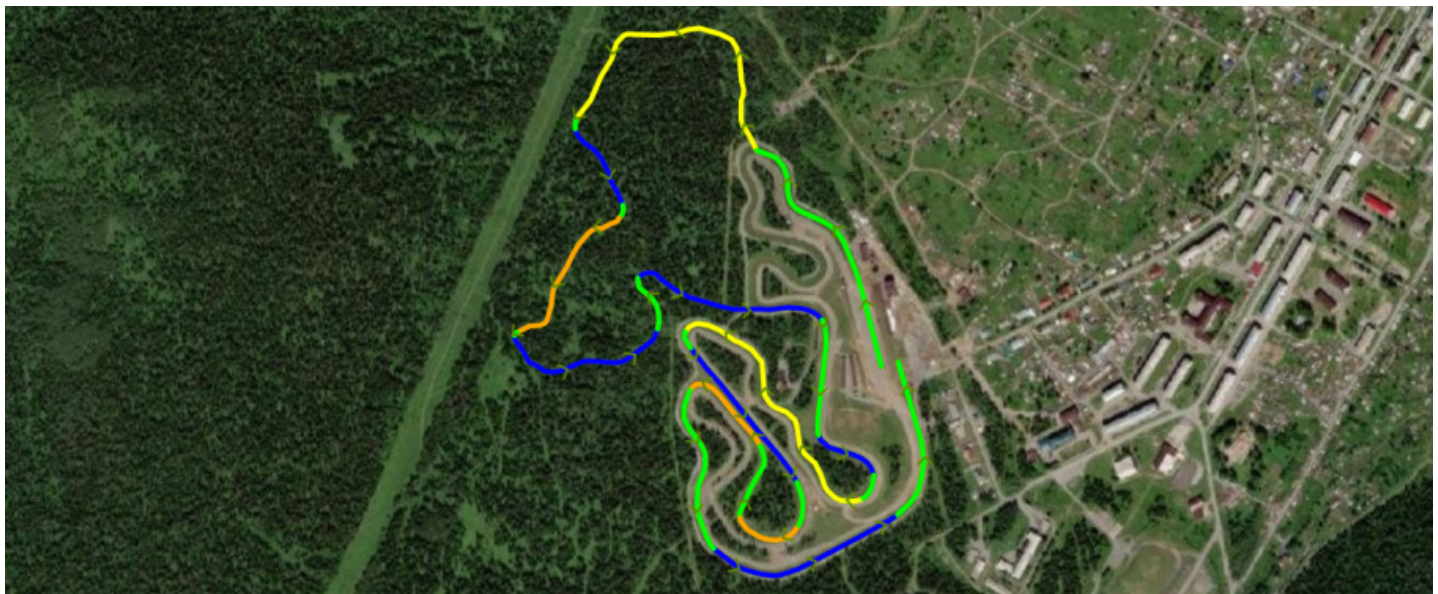
**CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE**

(1) Registration number:	22/65.09/5.0
(2) Name of the competition site:	
(3) Name of city/region:	Vershina Tey, Khakasia, Russia
(4) Organizer:	AU RK CSP "Tey"
(5) National ski association:	Russian Ski Federation (FLGR)
(6) Contact person in the organizing committee:	Andrey Arsenyev
(7) Homologation inspector:	Andrey Arsenyev
(8) Name of course:	4,818m
(9) Competition level for course	COC

Course length:	4,818m	Height difference (HD):	99m	Lowest point:	941m
Course category:	C	Maximum climb (MC):	63m	Highest point:	1,040m
		Total climb (TC):	194m		



A-climb B-climb C-climb descent undulated terrain



FIS Office

Michal Lamplot

Lamplot, Michal
FIS International Ski and
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Blochstrasse 2 / Postfach
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FIS Stamp



FIS Homologation
Responsible

Jakub Vodrazka

Vodrazka, Jakub

Date of Issue

08.11.2022
Valid until
30.06.2027

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	2	101	52.1
- shorter climbs	3	51	26.3
- descents	7	0	0.0
- undulated terrain	12	42	21.6

(11) Stadium area:

		Indoor working room:	
Fixed stadium area	yes	Timekeeping	yes
Fixed building	yes	Announcer	yes
Temporary stadium	no	Jury	yes
Temporary building	yes	Race office	yes
Good infrastructure (access, parking, media, etc.)	yes		
Skitesting area along course/near stadium	yes		
Warm up track near the stadium	yes		

(12) Category for the stadium and course layout:

	Interval	Sprint	Skiathlon	Relay	Mass start
Stadium suitable for following competition formats	yes	yes	yes	yes	yes
Course suitable for following competition formats with					
a) Classical technique	yes		yes	yes	yes
b) Free technique	yes		yes	yes	yes
Course suitable for relay and skiathlon competition					
a) On same course					
b) Combined on different courses (C+D or D+D)			yes		

(13) Possibility of snow making:

There is no any artificial snow making equipment

(14) Map Material:

Maps provided by Organizers are very good

(15) Source of accurate elevation data:

GPS receiver and altimeter were used

(16) Safety considerations:

All downhill have enough wide, proper banking and good visibility for athletes

(17) General remarks:

Course is located on the same flank of hill. The slope is very homogeneous. Gradient is 6 to 15%. Coniferous forest covers surrounding terrain. The course is compact and very good accessible. Transportation course goes around all course system.

Warm up course is 1.1 km long and 12 m wide. It passes near service area and ski test downhill. It leads to start area.

Test hill is 70 m wide and 90 m long.

Access to preparation area, ski test area and warm up course is through underground tunnel.

Stadium has 65 x 180 m size. Its surface is sloped with 2% gradient. Thereby start area, exchange zone, finish zone and parts of course go to uphill.

There are grooming machine, skidoos, drawn facilities and hand tools for all kinds of course preparation.

Ski Center is located near settlement Vershina Tey. There are enough options for accommodation and feeding in it.

There are spectators' stands and parking.

(18) Date of first inspection: 2022/9/11

(19) Date of final inspection: 2022/9/13

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	1	451	63	63	4.8 - 18.0	11.4	
	2	2,593	38	38	7.4 - 14.1	7.9	
	total			101			52.1% part of TC
B-climb	1	1,192	24	25	-2.1 - 15.7	8.2	
	2	3,473	11	11	6.3 - 11.9	8.3	
	3	3,731	15	15	5.4 - 12.0	8.7	
	total			51			26.3% part of TC
C-climb	total			0			0.0% part of TC
undulated terrain	total			42			21.6% part of TC
	total climb			194			