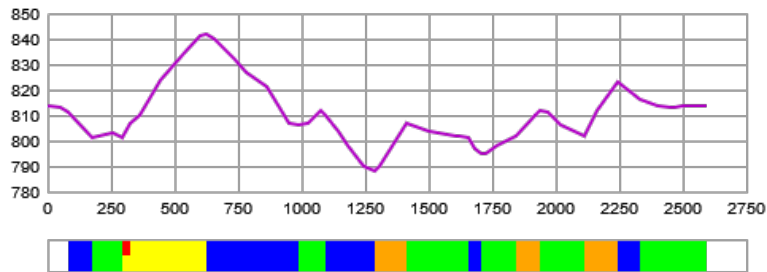




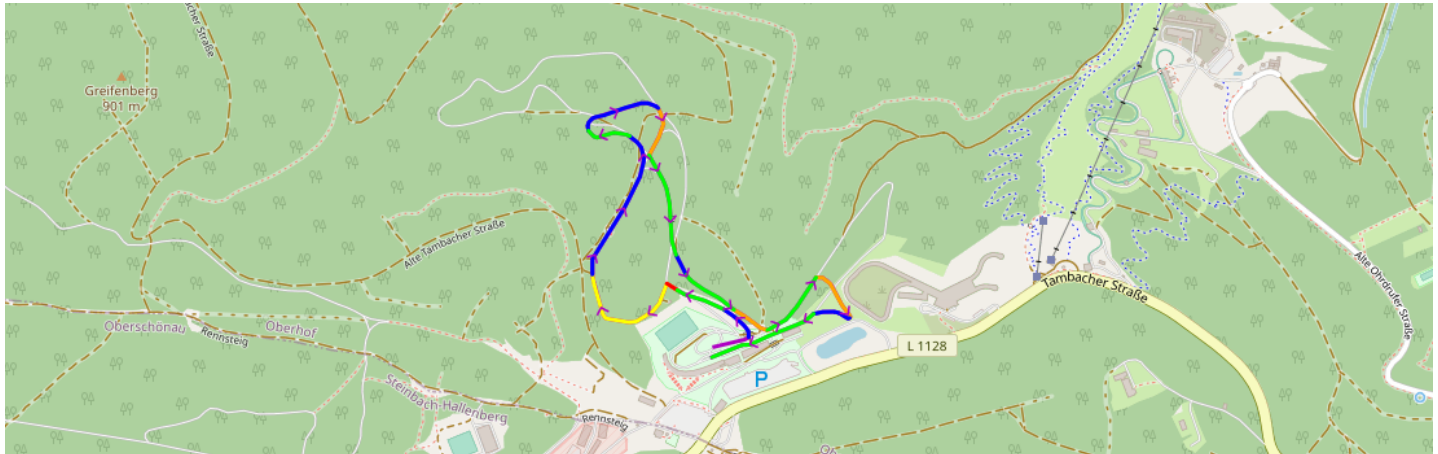
**CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE**

(1) Registration number:	WC23/91.01/2.6
(2) Name of the competition site:	Arena am Rennsteig
(3) Name of city/region:	Oberhof/Thüringen
(4) Organizer:	TWZ Oberhof
(5) National ski association:	GER
(6) Contact person in the organizing committee:	Heiko Krause
(7) Homologation inspector:	Falk Göpfert
(8) Name of course:	2,5 km C
(9) Competition level for course	WC

Course length:	2,591m	Height difference (HD):	54m	Lowest point:	788m
Course category:	C	Maximum climb (MC):	41m	Highest point:	842m
		Total climb (TC):	107m		



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



FIS Office

Michal Lamplot

Lamplot, Michal
FIS International Ski and
Snowboard Federation
Blochstrasse 2 / Postfach
CH - 3653 Oberhofen

FIS Stamp



FIS Homologation
Responsible

Markus Kohler

Kohler, Markus

Date of Issue

23.08.2023

Valid until

30.06.2028

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	1	41	38.3
- shorter climbs	3	50	46.7
- steep climbs	1	0	0.0
- descents	5	0	0.0
- undulated terrain	7	16	15.0

(11) Stadium area:

		Indoor working room:	
Fixed stadium area	yes	Timekeeping	yes
Fixed building	yes	Announcer	yes
Temporary stadium	no	Jury	yes
Temporary building	no	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
Course suitable for following competition formats with					
a) Classical technique	yes		yes	yes	yes
b) Free technique	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:

Snow guns along the course, 2 separate summer snow deposits

(14) Map Material:

OSM

(15) Source of accurate elevation data:

Garmin Forerunner, construction measurement by RoboConsult

(16) Safety considerations:

good

(17) General remarks:

(18) Date of first inspection: 2021/7/9

(19) Date of final inspection: 2023/7/3

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	1	294	41	41	4.3 - 21.0	12.5	C at 294m, PTC: 6m, 20.7%
	total			41			38.3% part of TC
B-climb	1	1,290	19	19	12.2 - 16.4	15.8	
	2	1,846	10	10	10.6 - 11.9	10.9	
	3	2,109	21	21	13.6 - 19.8	15.9	
	total			50			46.7% part of TC
C-climb	total			0			0.0% part of TC
undulated terrain	total			16			15.0% part of TC
	total climb			107			