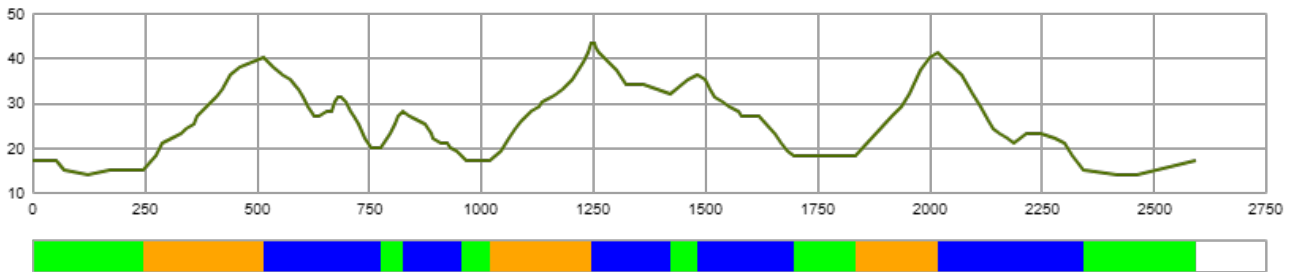




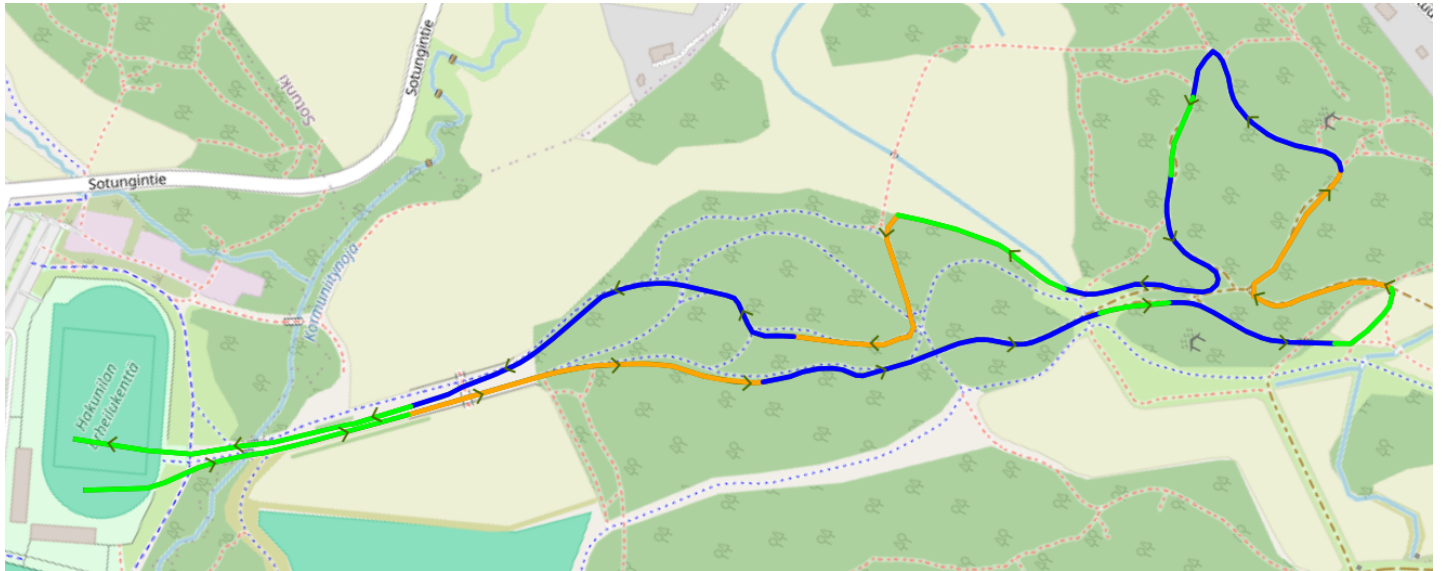
CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number: 24/24.05/2.7
(2) Name of the competition site: Hakunila
(3) Name of city/region: Vantaa
(4) Organizer: Vantaan Hiihtoseura
(5) National ski association: Finnish Ski Association
(6) Contact person in the organizing committee: Antti Pekkala
(7) Homologation inspector: Janne Pylväs
(8) Name of course: Vantaa 2,5 km 2024
(9) Competition level for course: COC

Course length:	2,595m	Height difference (HD):	29m	Lowest point:	14m
Course category:	D	Maximum climb (MC):	26m	Highest point:	43m
		Total climb (TC):	96m		



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



FIS Office

Rosa, Anna
Rules and Control SC Chair

FIS Stamp



FIS Homologation
Responsible

Braam, Jonas

Date of Issue

12.12.2024

Valid until

30.06.2025

(10) Overview of the uphill:

	No.	PTC	% of TC
- shorter climbs	3	74	77.1
- undulated terrain	6	16	16.7

(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
b) Free technique	yes			yes	yes
Course suitable for relay and skiathlon competition					
a) On same course					
b) Combined on different courses (C+D or D+D)					

(13) Possibility of snow making:

Yes, along the course and close to the stadium area

(14) Map Material:

Very good

(15) Source of accurate elevation data:

Radar data from technical department of City of Vantaa

(16) Safety considerations:

None

(17) General remarks:

Kai Samposalo worked as HI candidate.

(18) Date of first inspection: 2023/8/17

(19) Date of final inspection: 2024/12/5

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	total			0			0.0% part of TC
B-climb	1	246	25	25	3.8 - 22.7	9.3	
	2	1,021	26	26	5.5 - 33.4	11.7	
	3	1,834	23	23	6.2 - 20.1	12.6	
	total			74			77.1% part of TC
C-climb	total			0			0.0% part of TC
undulated terrain	total			16			16.7% part of TC
	total climb			96			