



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

(1) Registration number:

(2) Name of the competition site:

(3) Name of city/region:

(4) Organizer:

(5) National ski association:

(6) Contact person in the organizing committee:

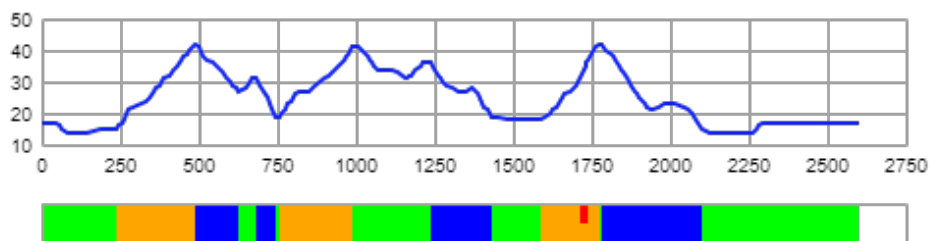
(7) Homologation inspector:

(8) Name of course:

Vantaa Hakunila 2.5 km

(9) Competition level for course

Course length:	2,600m	Height difference (HD):	28m	Lowest point:	14m
Course category:		Maximum climb (MC):	27m	Highest point:	42m
		Total climb (TC):	89m		



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



FIS Office

FIS Stamp

FIS Homologation
Responsible

Date of Issue

Valid until

(10) Overview of the uphill:

	No.	PTC	% of TC
- shorter climbs	3	73	82.0
- steep climbs	1	0	0.0
- descents	4	3	3.4
- undulated terrain	7	13	14.6

(11) Stadium area:

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

(12) Category for the stadium and course layout:

	Interval	Sprint	Skiathlon	Relay	Mass start
Stadium suitable for following competition formats					
Course suitable for following competition formats with					
a) Classical technique					
b) Free technique					
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:

(14) Map Material:

(15) Source of accurate elevation data:





(16) Safety considerations:

(17) General remarks:

(18) Date of first inspection:

(19) Date of final inspection:

(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	237	27	27	5.9 - 17.4	10.8
		2	754	22	22	6.3 - 17.7	9.4
		3	1,588	24	24	5.7 - 25.5	13.0
		total		73			82.0% part of TC
C-climb		total		0			0.0% part of TC
undulated terrain		total		13			14.6% part of TC
		total climb		89			