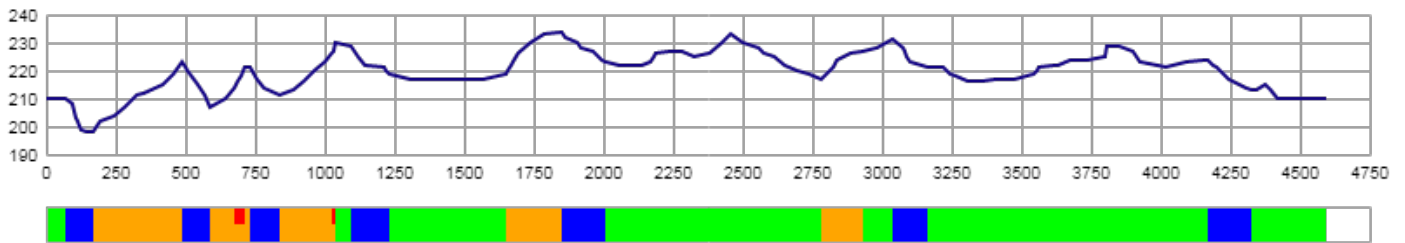




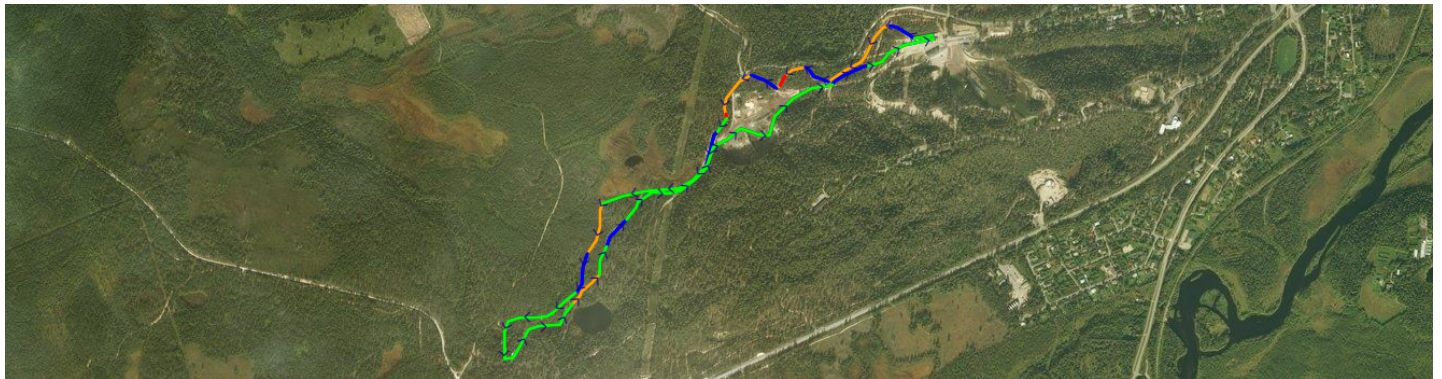
**CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE**

- (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: HS Taivalkoski 4.6 km
- (9) Competition level for course

Course length:	4,591m	Height difference (HD):	36m	Lowest point:	198m
Course category:		Maximum climb (MC):	25m	Highest point:	234m
		Total climb (TC):	120m		



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	5	83	69.2
- steep climbs	2	0	0.0
- descents	7	0	0.0
- undulated terrain	8	37	30.8

(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	169	25	25	4.1 - 20.6	7.9	
		2	590	14	14	0.0 - 25.8	10.1	C at 674m, PTC: 7m, 18.4%
		3	836	19	19	3.9 - 27.1	9.3	C at 1,022m, PTC: 4m, 22.2%
		4	1,649	15	15	1.7 - 20.0	7.5	
		5	2,779	10	10	2.3 - 18.3	6.7	
		total		83			69.2% part of TC	
C-climb	■	total		0			0.0% part of TC	
undulated terrain	■	total		37			30.8% part of TC	
		total climb		120				