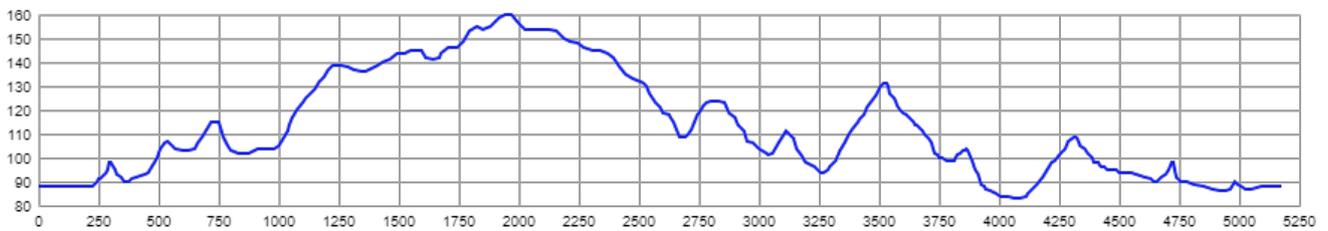




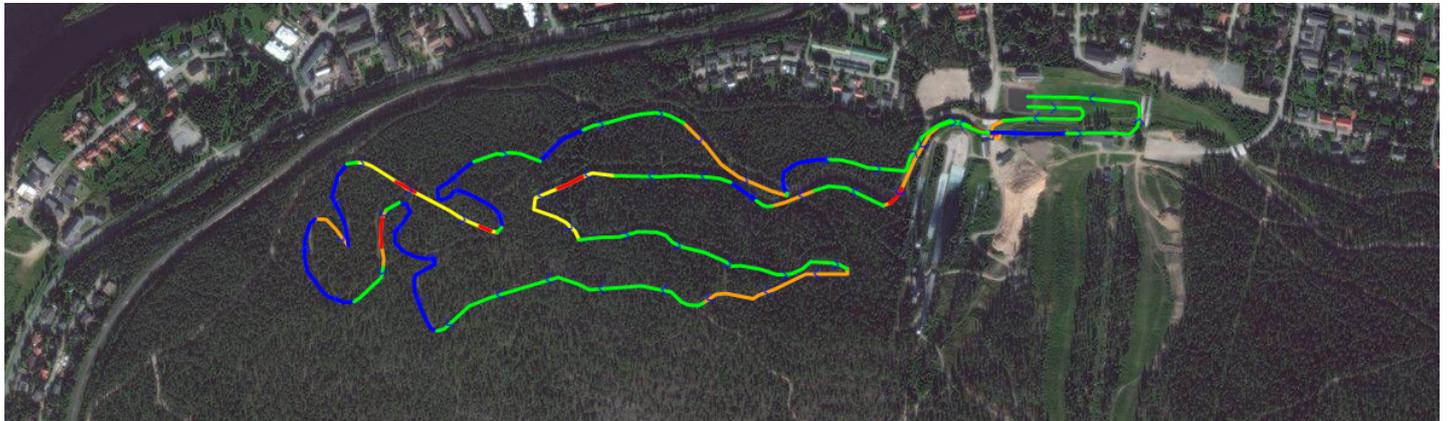
**CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE**

(1) Registration number:	
(2) Name of the competition site:	Ounasvaara
(3) Name of city/region:	Rovaniemi
(4) Organizer:	Ounasvaaran Hiihtoseura
(5) National ski association:	Finnish Ski Association
(6) Contact person in the organizing committee:	Eero Hietanen
(7) Homologation inspector:	Juha Torvikoski
(8) Name of course:	Rovaniemi blue 5 km
(9) Competition level for course	COC

Course length:	5,173m	Height difference (HD):	77m	Lowest point:	83m
Course category:	D	Maximum climb (MC):	37m	Highest point:	160m
		Total climb (TC):	211m		



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
- major climbs	2	72	34.1
- shorter climbs	7	105	49.8
- steep climbs	7	9	4.3
- descents	8	0	0.0
- undulated terrain	19	29	13.7

(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	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)					

(13) Possibility of snow making:

Yes

(14) Map Material:

Very good

(15) Source of accurate elevation data:

GPS measurement

(16) Safety considerations:

The course is safe. Downhills are fast.

(17) General remarks:

(18) Date of first inspection: 2019/3/6

(19) Date of final inspection: 2020/6/25

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	1	981	35	35	6.2 - 29.0	14.5	C at 1,034m, PTC: 9m, 20.9%
	2	3,271	37	37	7.2 - 23.5	14.9	C at 3,340m, PTC: 7m, 20.6%
							C at 3,490m, PTC: 4m, 22.2%
	total			72			34.1% part of TC
B-climb	1	222	10	10	9.2 - 37.9	13.7	
	2	377	17	17	2.7 - 25.2	10.8	C at 493m, PTC: 6m, 20.0%
	3	651	11	11	13.1 - 20.7	15.5	
	4	1,669	17	18	-3.9 - 24.9	6.8	
	5	2,692	14	14	6.5 - 26.5	15.2	C at 2,707m, PTC: 9m, 20.0%
	6	3,041	10	10	5.7 - 17.3	13.9	
	7	4,110	25	25	5.7 - 18.5	12.3	
	total			105			49.8% part of TC
C-climb	1	281	4	4	15.1 - 37.9	26.7	
	2	4,693	5	5	16.6 - 24.6	20.8	
	total			9			4.3% part of TC
undulated terrain	total			29			13.7% part of TC
	total climb			211			