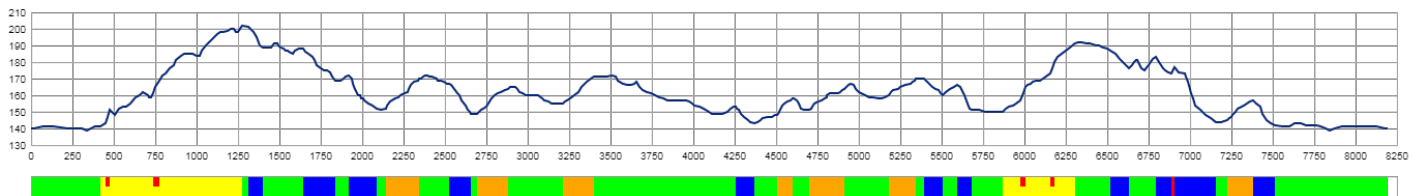




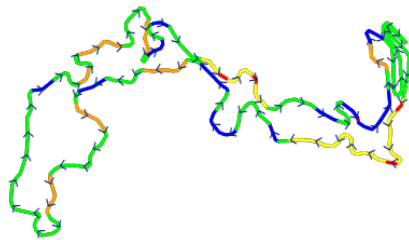
CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number:	
(2) Name of the competition site:	Kusiaismäki
(3) Name of city/region:	Saarijärvi
(4) Organizer:	Saarijärven Pullistus
(5) National ski association:	Finnish Ski Association
(6) Contact person in the organizing committee:	Veikko Humalajoki
(7) Homologation inspector:	Juha Torvikoski
(8) Name of course:	Saarijarvi 8.3 km A
(9) Competition level for course	COC

Course length:	8,196m	Height difference (HD):	63m	Lowest point:	139m
Course category:	C	Maximum climb (MC):	70m	Highest point:	202m
		Total climb (TC):	266m		



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	111	41.7
- shorter climbs	7	94	35.3
- steep climbs	5	4	1.5
- descents	11	0	0.0
- undulated terrain	19	57	21.4

(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
Course suitable for following competition formats with					
a) Classical technique	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)					

(13) Possibility of snow making:

yes

(14) Map Material:

not ready

(15) Source of accurate elevation data:

Garmin gps meter

(16) Safety considerations:

fast downhill are safe

(17) General remarks:

Unfortunately, the entire homologization process in Saarijarvi will not be completed in time.

(18) Date of first inspection: 2019/7/22

(19) Date of final inspection:

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb ■	1	416	61	70	-15.7 - 30.6	7.1	C at 448m, PTC: 8m, 27.6%
	2	5,867	41	41	5.3 - 24.9	9.3	C at 736m, PTC: 8m, 21.6%
	total			111			41.7% part of TC
B-climb ■	1	2,141	18	18	4.1 - 22.4	8.8	
	2	2,694	15	15	4.0 - 16.2	8.2	
	3	3,214	16	16	5.1 - 14.2	8.7	
	4	4,504	10	10	5.1 - 21.2	10.6	
	5	4,698	13	13	7.4 - 17.3	6.1	
	6	5,181	10	10	3.0 - 15.0	6.1	
	7	7,225	12	12	5.1 - 15.7	7.6	
total				94			35.3% part of TC
C-climb ■	1	6,885	4	4	19.5 - 19.5	20.0	
	total			4			1.5% part of TC
undulated terrain ■	total			57			21.4% part of TC
	total climb			266			