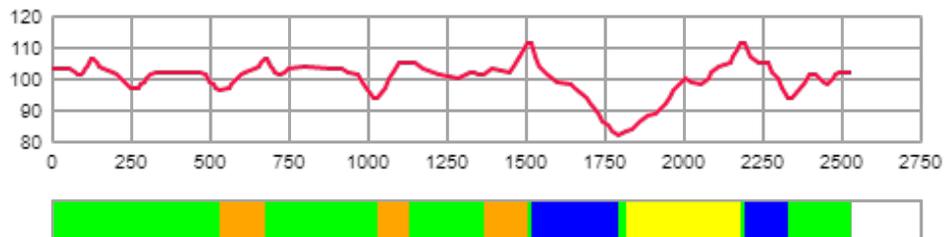




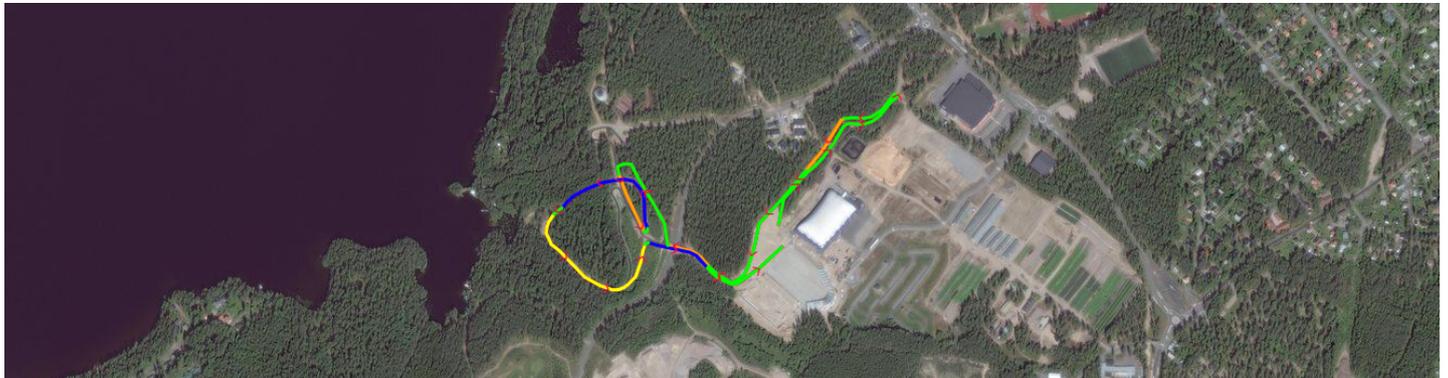
CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number: 20/63.04/2.5
(2) Name of the competition site: Ukonniemi
(3) Name of city/region: Imatra
(4) Organizer: Imatran Urheilijat
(5) National ski association: Finnish Ski Association
(6) Contact person in the organizing committee: Kari Ahonen
(7) Homologation inspector: Juha Torvikoski
(8) Name of course: Imatra 2.5 km ELL year 2020
(9) Competition level for course: COC

Course length:	2,532m	Height difference (HD):	29m	Lowest point:	82m
Course category:	C	Maximum climb (MC):	30m	Highest point:	111m
		Total climb (TC):	89m		



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



FIS Office

Mignerey, Pierre
FIS International Ski Federation
Blochstrasse 2 / Postfach
CH - 3653 Oberhofen

FIS Stamp



FIS Homologation
Responsible

Bjørkestøl, Hermod

Date of Issue

18.09.2020

Valid until

30.06.2025

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	1	30	33.7
- shorter climbs	3	32	36.0
- descents	2	0	0.0
- undulated terrain	7	27	30.3

(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:

Very good

(15) Source of accurate elevation data:

Based on the measurements done by the City of Imatra.

(16) Safety considerations:

The course is safe. Downhills are fast.

(17) General remarks:

(18) Date of first inspection: 2020/6/3

(19) Date of final inspection: 2020/8/5

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb ■	1	1,817	28	30	-4.4 - 18.2	7.6	
	total			30			33.7% part of TC
B-climb ■	1	534	10	10	3.4 - 13.1	7.1	
	2	1,029	11	11	0.0 - 23.5	10.8	
	3	1,370	10	11	-1.9 - 17.8	7.5	
	total			32			36.0% part of TC
C-climb ■	total			0			0.0% part of TC
undulated terrain ■	total			27			30.3% part of TC
	total climb			89			