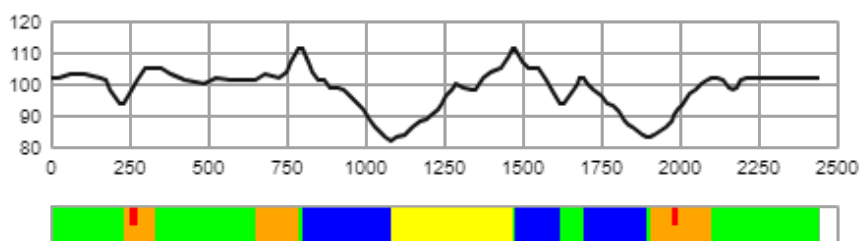




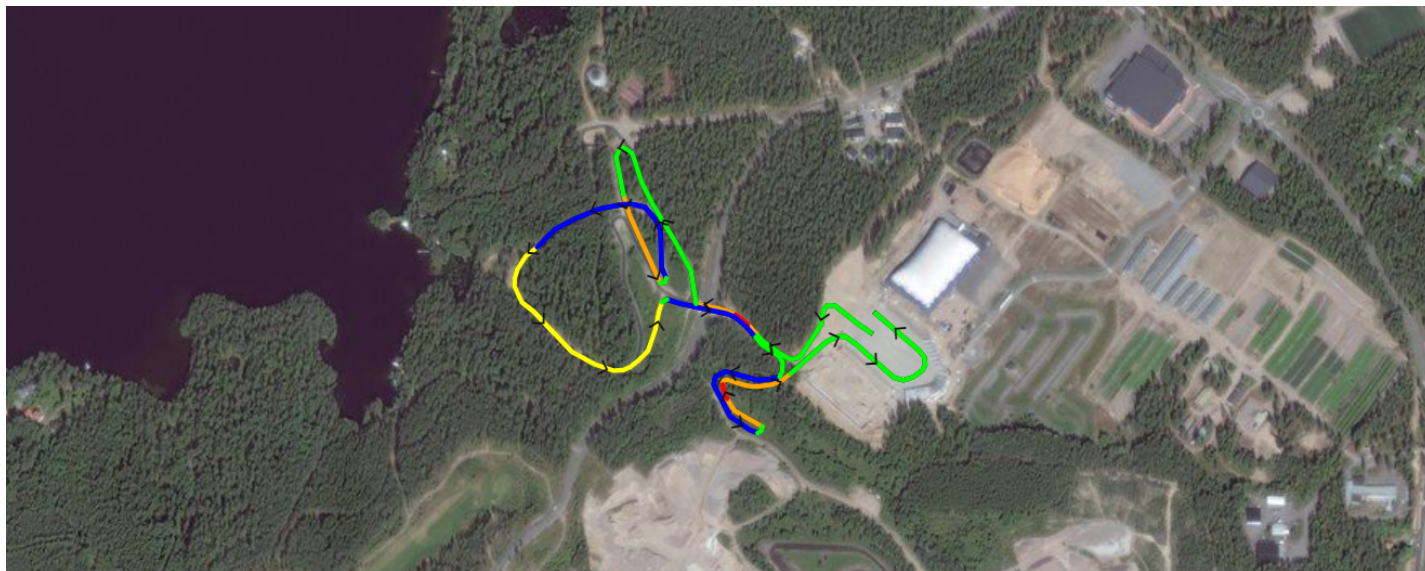
CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number:	24/138.01/2.5
(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 year 2024
(9) Competition level for course	COC

Course length:	2,446m	Height difference (HD):	29m	Lowest point:	82m
Course category:	E	Maximum climb (MC):	31m	Highest point:	111m
		Total climb (TC):	87m		



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



FIS Office

Rosa, Anna
Rules and Control SC Chair

FIS Stamp



FIS Homologation
Responsible

Braam, Jonas

Date of Issue

30.09.2024

Valid until

30.06.2029

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	1	31	35.6
- shorter climbs	3	41	47.1
- steep climbs	2	0	0.0
- descents	3	0	0.0
- undulated terrain	7	15	17.2

(11) Stadium area:

Fixed stadium area	yes	Indoor working room:	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			
Skiteasting area along course/near stadium	yes			
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	yes	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			yes		
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:

(19) Date of final inspection:

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	1	1,082	29	31	-4.4 - 17.6	7.5	
	total			31			35.6% part of TC
B-climb	1	230	11	11	0.0 - 18.1	10.9	C at 251m, PTC: 4m, 18.2%
	2	653	10	11	-2.2 - 17.8	7.4	
	3	1,908	19	19	5.3 - 19.2	9.8	C at 1,974m, PTC: 4m, 19.0%
	total			41			47.1% part of TC
C-climb	total			0			0.0% part of TC
undulated terrain	total			15			17.2% part of TC
	total climb			87			