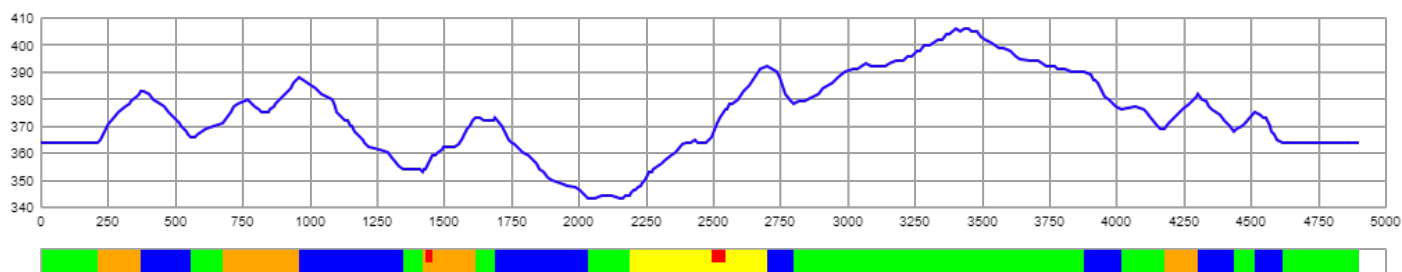




CERTIFICATE  
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE  
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number:	WC20/80.08/5.0
(2) Name of the competition site:	Östersunds Skidstadion
(3) Name of city/region:	Östersund
(4) Organizer:	Östersunds Skidklubb
(5) National ski association:	Svenska Skidförbundet / Swedish Ski Association
(6) Contact person in the organizing committee:	Anton Lindblad
(7) Homologation inspector:	Jonas Braam/Henrik Ilhamn/Hermod Bjørkestøl
(8) Name of course:	5 km
(9) Competition level for course:	WC

Course length:	4,903m	Height difference (HD):	63m	Lowest point:	343m
Course category:	D	Maximum climb (MC):	49m	Highest point:	406m
		Total climb (TC):	169m		



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

24.12.2020

Valid until

30.06.2025

## (10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	1	49	29.0
- shorter climbs	4	74	43.8
- steep climbs	2	0	0.0
- descents	7	0	0.0
- undulated terrain	9	46	27.2

## (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	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	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)			yes		

## (13) Possibility of snow making:

Very good. Snow storage to ensure competitions early in the season

## (14) Map Material:

Very good.

## (15) Source of accurate elevation data:

LiDAR measurements combined with manual measurements with GPS

## (16) Safety considerations:

In general, fencing is needed at the bottom turn of the second descent

## (17) General remarks:

None

## (18) Date of first inspection: 2020/11/30

## (19) Date of final inspection: 2020/12/18

## (20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	1	2,189	48	49	-6.8 - 27.8	9.4	C at 2,495m, PTC: 10m, 19.2%
	total			49		29.0%	part of TC
B-climb	1	211	19	19	7.7 - 20.1	11.8	
	2	677	17	22	-13.0 - 19.6	6.0	
	3	1,420	20	20	6.0 - 22.4	10.1	C at 1,429m, PTC: 5m, 19.2%
	4	4,181	13	13	8.8 - 13.3	10.6	
	total			74		43.8%	part of TC
C-climb	total			0		0.0%	part of TC
undulated terrain	total			46		27.2%	part of TC
	total climb			169			