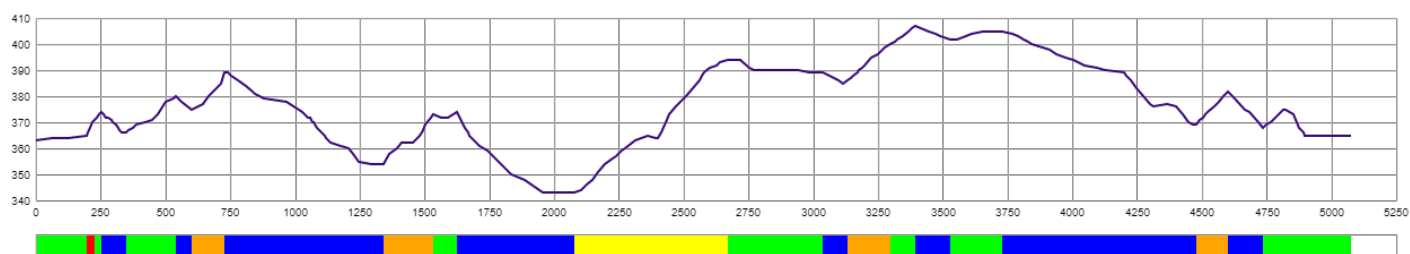




CERTIFICATE  
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE  
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number:	
(2) Name of the competition site:	Östersund
(3) Name of city/region:	Jämtland
(4) Organizer:	Östersund Skidlöpare Klubb
(5) National ski association:	Swedish ski federation
(6) Contact person in the organizing committee:	Tommie Jirhed
(7) Homologation inspector:	Robert Erixon
(8) Name of course:	5,075m
(9) Competition level for course	COC

Course length:	5,075m	Height difference (HD):	64m	Lowest point:	343m
Course category:	D	Maximum climb (MC):	52m	Highest point:	407m
		Total climb (TC):	158m		



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	1	52	32.9
- shorter climbs	4	60	38.0
- steep climbs	1	6	3.8
- descents	8	2	1.3
- undulated terrain	8	38	24.1

## (11) Stadium area:

Fixed stadium area	yes	Indoor working room:	Timekeeping	yes
Fixed building	yes		Announcer	yes
Temporary stadium	yes		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	yes
Course suitable for following competition formats with					
a) Classical technique	yes	yes	yes	yes	yes
b) Free technique	yes	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:

## (14) Map Material:

## (15) Source of accurate elevation data:

## (16) Safety considerations:

## (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	2,078	51	52	-3.5 - 23.0	8.6	
	total			52			32.9% part of TC
B-climb	1	601	14	14	4.8 - 24.4	10.9	
	2	1,342	19	19	9.6 - 20.0	9.8	
	3	3,134	14	14	4.2 - 19.7	8.7	
	4	4,478	13	13	8.8 - 13.3	10.6	
	total			60			38.0% part of TC
C-climb	1	194	6	6	17.0 - 20.1	18.8	
	total			6			3.8% part of TC
undulated terrain	total			38			24.1% part of TC
	total climb			158			