CERTIFICATE



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



(1) Registration Number:

(2) Location of the competition site:

(3) Organizer:

(4) National Ski Association:

(5) Contact person in the organizing committee:

(6) Homologation inspector:

(7) Name of course:

(8) Description of course:

WC 16/12.01/1,4

Östersund

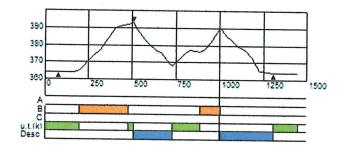
Östersund municipality Svenska Skidförbundet

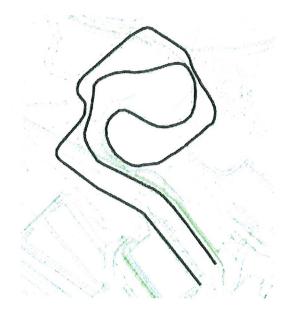
Johan Palm

Henrik Ilhamn/Hermod Bjørkestøl

Sprint 1,4 km

Course length: 1448 r Category D Competition Level: WC	Height Difference (HD): Maximum Climb (MC): Total Climb (TC):	29 m 27 m 52 m	Lowest point: Highest point	364 m 393 m
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FIS/Office

Fierre Mignerey

FIS Stamp

FIS Homologation Responsible

Internat. Ski Verband FIS Blochstrasse 2 / Postfach CH-3653 Oberhofen

Hermod Bjørkestøl

Date of Issue 07.12.2016 Valid until 30.06.2021



(17) Date of the FIS-License:

FIS CROSS COUNTRY COMMITTEE Subcommittee for Rules and Control



DOCUMENTATION OF HOMOLOGATED CROSS COUNTRY COURSES

(1) (2) (3) (4) (5) (6) (7) (8)	Registration Number: Location of the competition site: Organizer: National Ski Association: Contact person in the organizing com Homologation inspector: Name of course: Description of course:	Öste Swe mittee: Joha Hen	Östersund Sweden Östersund municipality Gwedish ski federation ohan Palm, Östersund municipality Henrik Ilhamn/Hermod Bjørkestøl Sprint 1,4km					
	Course length: 1448m Category: D Competition Level: WC	Height Difference (H Maximum Climb (M0 Total Climb (TC):		Lowest p		364m 393m		
(9)	Overview of the uphills - major uphills - shorter uphills - undulated terrain	No. PTC 0 0 2 41 u.t. 11	% of TC 0.00 78.85 21.15					
(10)	Stadium area - fixed stadium fixed building temporary stadium temporary building good infrastructure (access, parking - skitesting area near the stadium warm up track near the stadium	, media, etc.)	indoor workir - timekeeping - calculation announcer media jury				777	
(11)	Category for the stadium and course it Stadium: suitable for following starting Course: suitable for following competi a) classical technique b) free technique suitable for mixed relay and pursuit coa) on the same course	procedures tion formats with empetition			•••••			
(12)	Possibility of snow making Stadium area	_	Course				\	
(13)	Substitute course avaliable							
(14)	Map material in accordance to art 313 very good	3.4.3 ICR	sufficient				€	
(15)	Date of the final inspection:	20141130						
(16)	Closing of the homologation procedur	e: 20161203						

Data of the course profile



	Data	Data Remarks of the inspector							
Name of the course		Sprint 1,4 km							
Competition distance		1448 m							
Number and length of the laps	1								
Height difference (HD)	29 m								
Maximum climb (MC)	27 m								
Total climb (TC)	52 m								
Lowest point	364 m								
Highest point		393 m							
major uphills with: and Ø 6.00 - 12.00% gradient in accordance to ICR 313.1		at m	PHD	PTC	gradient	average gradient	Remarks of the insp	ector	
total			-				0.00% part of TC	1	
В	1.	197	27	27	1.89-15.29	9.51			
shorter uphills with: 10 m - 29 m MP and Ø	2.	886	14	14	5.00-14.58	11.57			
<18.00% gradient						1			
in accordance to ICR 313.1						•			
total							78.85% part of TC		
steep uphills with Dist. <= 30 m and Ø							Totoon part of 10		
						-			
> 18.00% gradient in accordance to ICR 313.1									
undulated terrain			-	11		-	,		
total				11			21.15% part of TC		
			-			-			
total climb							100.00	0	