



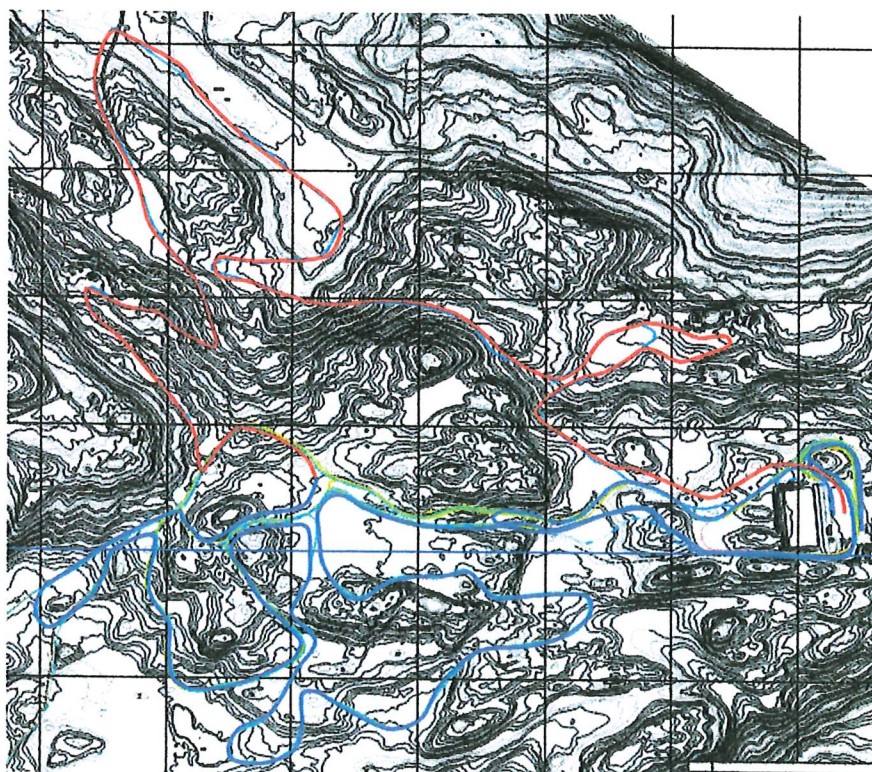
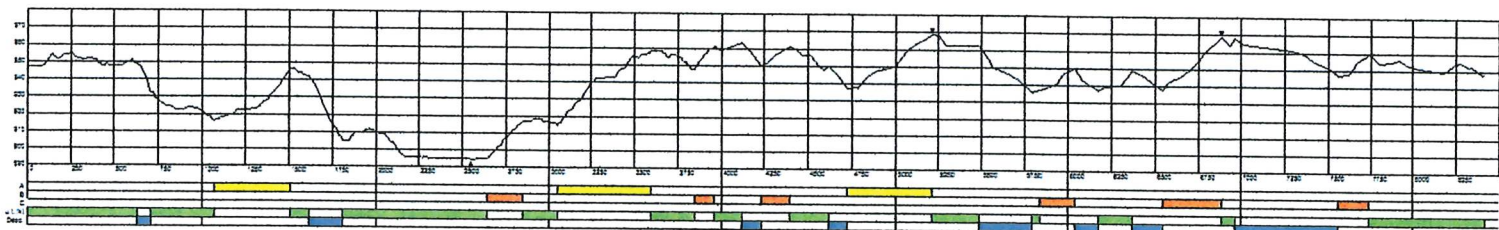
CERTIFICATE

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



- (1) Registration Number: 16/38.08/8,3
(2) Location of the competition site: Liatoppen, ÅL
(3) Organizer: Ål IL - Ski
(4) National Ski Association: Norwegian Ski Federation
(5) Contact person in the organizing committee: Kåre Hagen
(6) Homologation inspector: Hermod Bjørkestøl
(7) Name of course: Liatoppen 8,3 km red-blue
(8) Description of course:

Course length:	8420 m	Height Difference (HD):	75 m	Lowest point:	894 m
Category:	D	Maximum Climb (MC):	45 m	Highest point:	969 m
Competition Level:	COC	Total Climb (TC):	272 m		



FIS Office
P.O. *P. Mignerey*
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FIS Stamp

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Blochstrasse 2 / Postfach
CH-3653 Oberhofen

FIS Homologation Responsible

Hermod Bjørkestøl
Hermod Bjørkestøl

Date of Issue

26.10.2016

Valid until

30.06.2021



FIS CROSS COUNTRY COMMITTEE

Subcommittee for Rules and Control



DOCUMENTATION OF HOMOLOGATED CROSS COUNTRY COURSES

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- (9) Overview of the uphill

- major uphill
- shorter uphill
- undulated terrain

No.	PTC	% of TC
3	107	39.34
6	103	37.87
u.t.	62	22.79

- (10) Stadium area

- fixed stadium.....☒
- fixed building.....☒
- temporary stadium.....☐
- temporary building.....☐
- good infrastructure (access, parking, media, etc.).....☒
- skitesting area near the stadium.....☒
- warm up track near the stadium.....☒

indoor working room for

- timekeeping.....☒
- calculation.....☒
- announcer.....☒
- media.....☒
- jury.....☒
- others.....☒

- (11) Category for the stadium and course layout

Stadium: suitable for following starting procedures

Course: suitable for following competition formats with

a) classical technique

b) free technique

suitable for mixed relay and pursuit competition

a) on the same course.....

b) combined with a separat course.....

Category:

Individual Sprint Pursuit Relay Masstart



- (12) Possibility of snow making

Stadium area.....☐

Course.....☐

- (13) Substitute course available



- (14) Map material in accordance to art 313.4.3 ICR

very good

sufficient.....☒

- (15) Date of the final inspection:

- (16) Closing of the homologation procedure:

- (17) Date of the FIS-License:

Data of the course profile



		Data		Remarks of the inspector				
Name of the course		Liatoppen 8,3 km red-blue						
Competition distance		8420 m						
Number and length of the laps								
Height difference (HD)		75 m						
Maximum climb (MC)		45 m						
Total climb (TC)		272 m						
Lowest point		894 m						
Highest point		969 m						
A		at m	PHD	PTC	gradient	average gradient	Remarks of the inspector	
major uphill with: and Ø 6.00 - 12.00% gradient in accordance to ICR 313.1	1.	1070	30	30	10.00-20.00	6.82		
	2.	3050	43	45	10.00-20.00	7.82		
	3.	4723	32	32	1.49-12.86	6.53		
total					39.34% part of TC			
B		1.	2640	22	22	10.00-20.00	10.48	
shorter uphill with: 10 m - 29 m MP and Ø <18.00% gradient in accordance to ICR 313.1	2.	3850	13	13	10.00-20.00	11.82		
	3.	4234	11	11	3.85- 9.80	6.92		
	4.	5836	13	13	3.96-16.67	6.37		
	5.	6546	31	31	3.64-12.90	9.17		
	6.	7559	13	13	1.61-16.67	7.14		
total					37.87% part of TC			
C								
steep uphill with Dist. <= 30 m and Ø > 18.00% gradient in accordance to ICR 313.1								
undulated terrain			62					
total			62		22.79% part of TC			
total climb					100.00	0		