



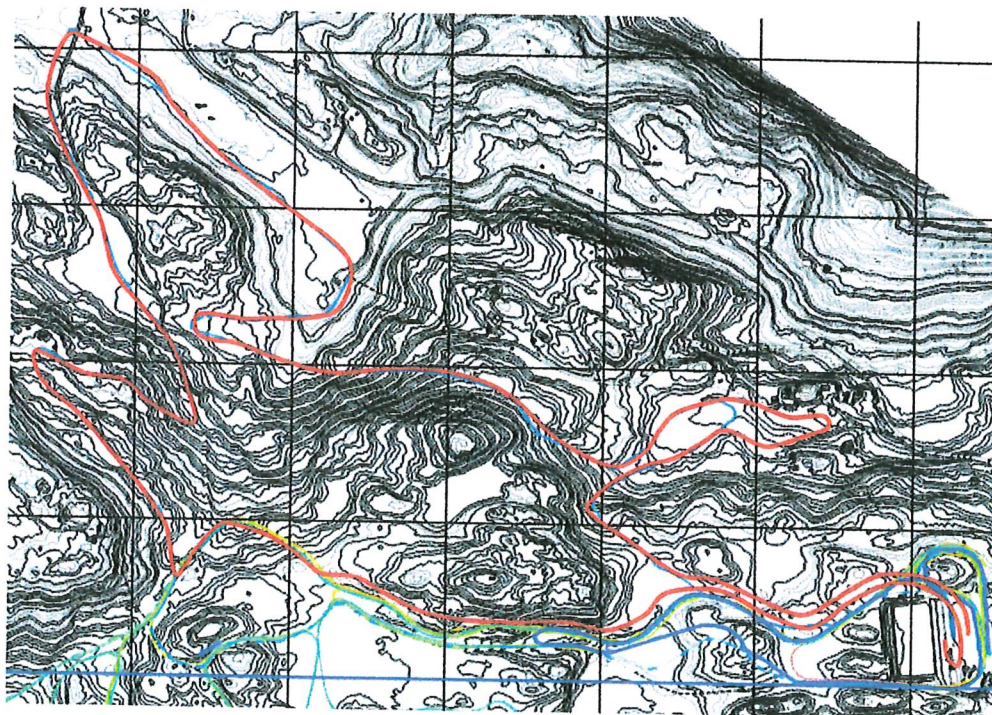
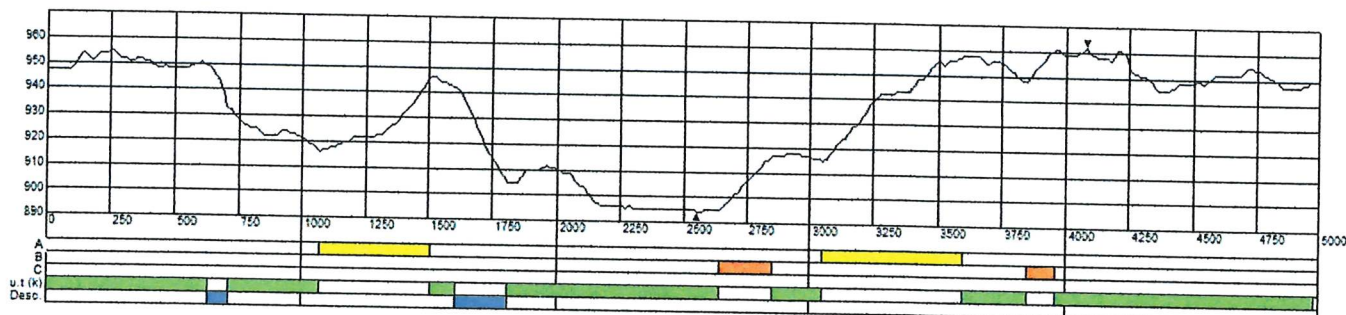
CERTIFICATE

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



- (1) Registration Number: 16/38.06/05
(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 5 km red
(8) Description of course:

Course length:	4980 m	Height Difference (HD):	68 m	Lowest point:	894 m
Category	D	Maximum Climb (MC):	45 m	Highest point	962 m
Competition Level:	COC	Total Climb (TC):	160 m		



FIS Office
P.O. *P. Mignerey*
Pierre Mignerey

FIS Stamp
Internat. Ski Verband FIS
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

- (1) Registration Number:
(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 5 km red
(8) Description of course:

Course length:	4980m	Height Difference (HD):	68m	Lowest point:	894m
Category:	D	Maximum Climb (MC):	45m	Highest point:	962m
Competition Level:	COC/FIS	Total Climb (TC):	160m		

- (9) Overview of the uphill

- major uphill
- shorter uphill
- undulated terrain

No.	PTC	% of TC
2	75	46.88
2	35	21.88
u.t.	50	31.25

- (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: D

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 5 km red					
Competition distance	4980 m					
Number and length of the laps						
Height difference (HD)	68 m					
Maximum climb (MC)	45 m					
Total climb (TC)	160 m					
Lowest point	894 m					
Highest point	962 m					
A	at m	PHD	PTC	gradient	average gradient	Remarks of the inspector
major uphill with:	1. 1070	30	30	10.00-20.00	6.82	
and Ø	2. 3050	43	45	10.00-20.00	7.82	
6.00 - 12.00% gradient						
in accordance to ICR 313.1						
total						46.88% part of TC
B	1. 2640	22	22	10.00-20.00	10.48	
shorter uphill with:	2. 3850	13	13	10.00-20.00	11.82	
10 m - 29 m MP						
and Ø						
<18.00% gradient						
in accordance to ICR 313.1						
total						21.88% part of TC
C						
steep uphill with						
Dist. <= 30 m						
and Ø						
> 18.00% gradient						
in accordance to ICR 313.1						
undulated terrain			50			
total			50			31.25% part of TC
total climb					100.00	0