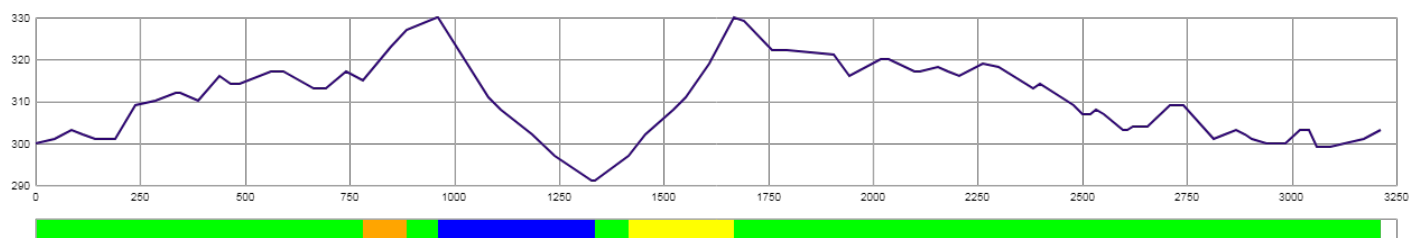




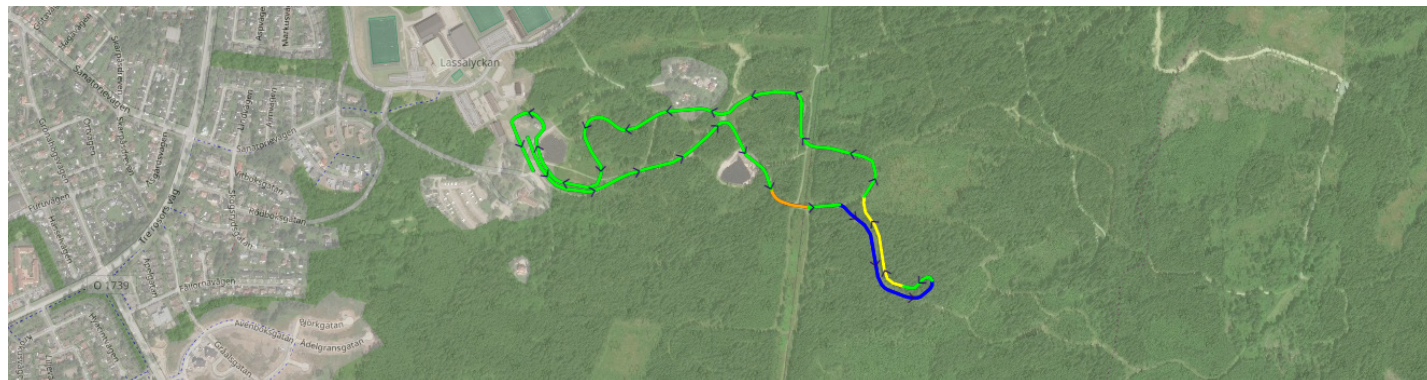
CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number:	WC18/101.03/3.3
(2) Name of the competition site:	Lassalyckan Ulricehamn
(3) Name of city/region:	Ulricehamn
(4) Organizer:	Ulricehamn IF skidor (locale ski association)
(5) National ski association:	Sweden Ski Association
(6) Contact person in the organizing committee:	Johan Falk
(7) Homologation inspector:	Hermod Björkestöl
(8) Name of course:	3.3
(9) Competition level for course	

Course length:	3,214m	Height difference (HD):	39m	Lowest point:	291m
Course category:	D	Maximum climb (MC):	33m	Highest point:	330m
		Total climb (TC):	106m		



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

Aalberg, John

Date of Issue
26.11.2018
Valid until
30.06.2023

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	1	33	31.1
- shorter climbs	1	12	11.3
- descents	1	0	0.0
- undulated terrain	4	61	57.5

(11) Stadium area:

		Indoor working room:	
Fixed stadium area	yes	Timekeeping	no
Fixed building	no	Announcer	no
Temporary stadium	no	Jury	no
Temporary building	yes	Race office	no
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
Course suitable for following competition formats with					
a) Classssical technique	yes			yes	yes
b) Free technique	yes			yes	yes
Course suitable for relay and skiathlon competition					
a) On same course			yes		
b) Combined on different courses (C+D or D+D)			yes		

(13) Possibility of snow making:

Opportunity to save artificial snow storage, and easy transport the snow to the courses. A well built artifical snow system after whole courses.

(14) Map Material:

God

(15) Source of accurate elevation data:

Garmin GPS, also maps and gpx-file from local ski association and county. We have also used a clinomter to control gradient.

(16) Safety considerations:

At the bottom of "väggen" 1.1 km downhill where there is a curve I reccommend that a fence is set up. If an accident should occur there and athletes ski out of the course rocks and big trees may course injuries to persons involved.

(17) General remarks:

Courses outside the stadium is wide, easy 12 m Category E, but the stadium is narrow.

(18) Date of first inspection: 2016/4/6

(19) Date of final inspection: 2018/10/12

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	1	1,418	33	33	9.1 - 18.4	13.2	
	total			33			31.1% part of TC
B-climb	1	781	12	12	10.2 - 11.9	11.3	
	total			12			11.3% part of TC
C-climb	total			0			0.0% part of TC
undulated terrain	total			61			57.5% part of TC
	total climb			106			