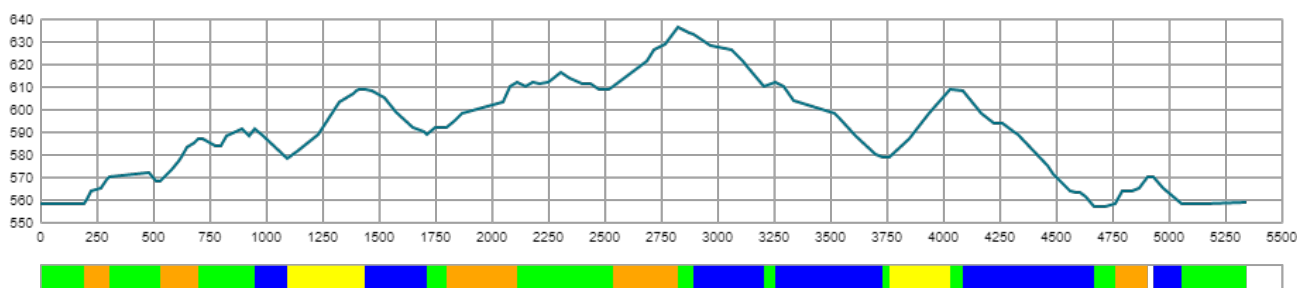




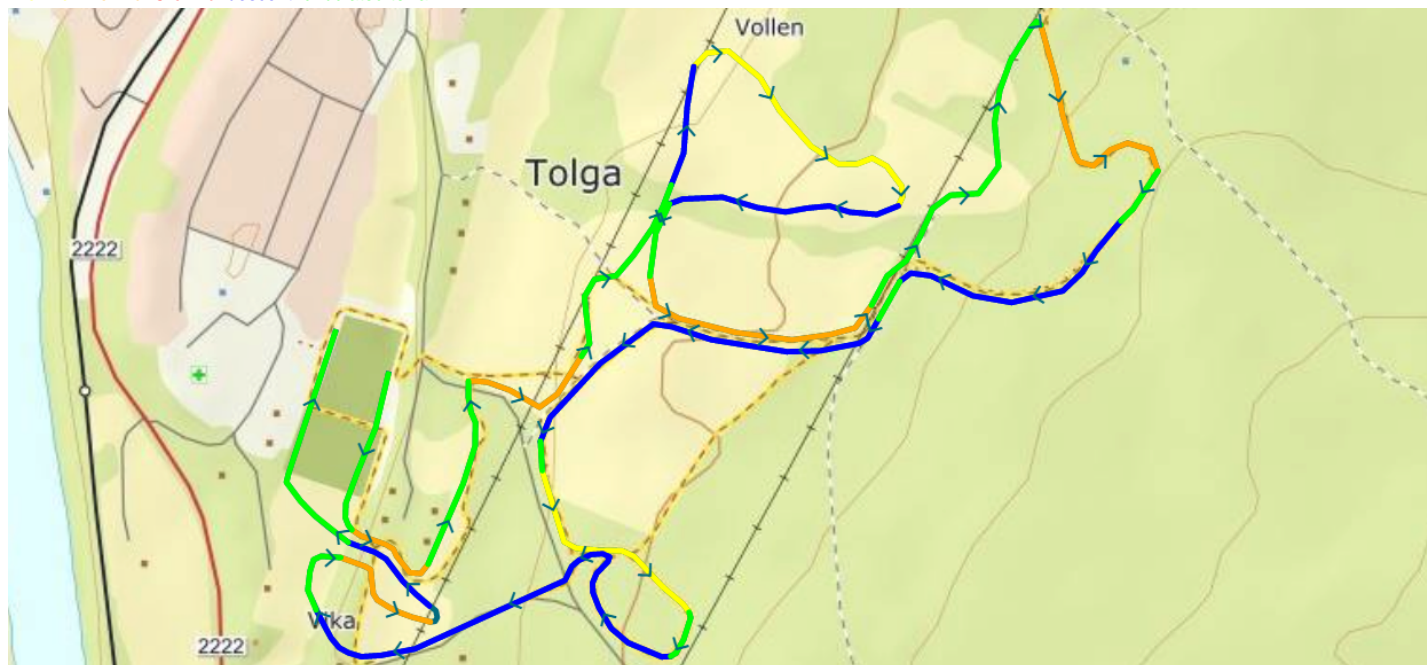
CERTIFICATE  
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE  
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number:	20/16.06/5.0
(2) Name of the competition site:	Tolga
(3) Name of city/region:	Tolga/Hedmark Skikrets
(4) Organizer:	Tolga Idrettslag
(5) National ski association:	Norwegian Ski Federation
(6) Contact person in the organizing committee:	Paul Brennmoen
(7) Homologation inspector:	John Aalberg
(8) Name of course:	5 km
(9) Competition level for course:	COC

Course length:	5,344m	Height difference (HD):	79m	Lowest point:	557m
Course category:	D	Maximum climb (MC):	31m	Highest point:	636m
		Total climb (TC):	177m		



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

Bjørkestøl, Hermod

Date of Issue

09.04.2020

Valid until

30.06.2025

## (10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	2	61	34.5
- shorter climbs	5	89	50.3
- descents	6	0	0.0
- undulated terrain	11	27	15.3

## (11) Stadium area:

Fixed stadium area	yes	Indoor working room:	
Fixed building	yes	Timekeeping	yes
Temporary stadium	no	Announcer	yes
Temporary building	no	Jury	yes
Good infrastructure (access, parking, media, etc.)	yes	Race office	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
b) Free technique	yes		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)					

## (13) Possibility of snow making:

No, but can bring in snow from local ski jump venue

## (14) Map Material:

Good

## (15) Source of accurate elevation data:

Norwegian Government maps plus GPS measurements

## (16) Safety considerations:

Corner at bottom of long downhill 700 meter before finish should be fenced on left hand side





## (17) General remarks:

Long parts of course are on open fields, and width of course is flexible

## (18) Date of first inspection: 2020/3/10

## (19) Date of final inspection: 2020/3/10

## (20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb 	1	1,091	31	31	0.0 - 14.9	8.9	
	2	3,765	30	30	9.2 - 12.9	11.3	
	total			61			34.5% part of TC
B-climb 	1	193	12	12	2.1 - 24.8	10.4	
	2	533	19	19	6.3 - 17.1	11.2	
	3	1,803	20	20	2.7 - 23.6	6.5	
	4	2,535	26	26	6.1 - 17.4	9.0	
	5	4,762	12	12	3.3 - 19.9	8.4	
	total			89			50.3% part of TC
C-climb 	total			0			0.0% part of TC
undulated terrain 	total			27			15.3% part of TC
	total climb			177			