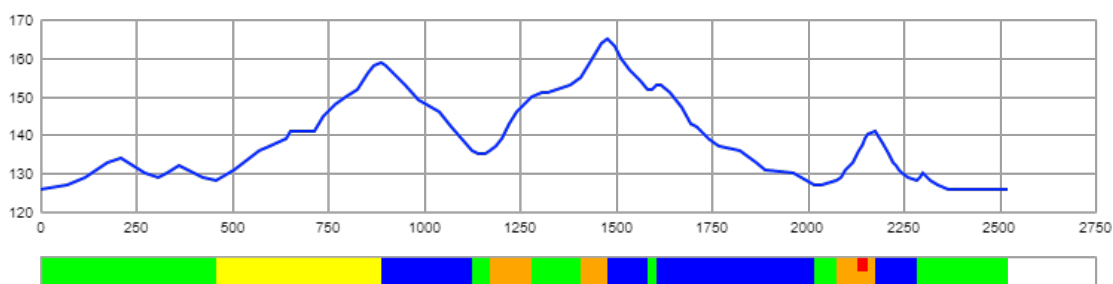




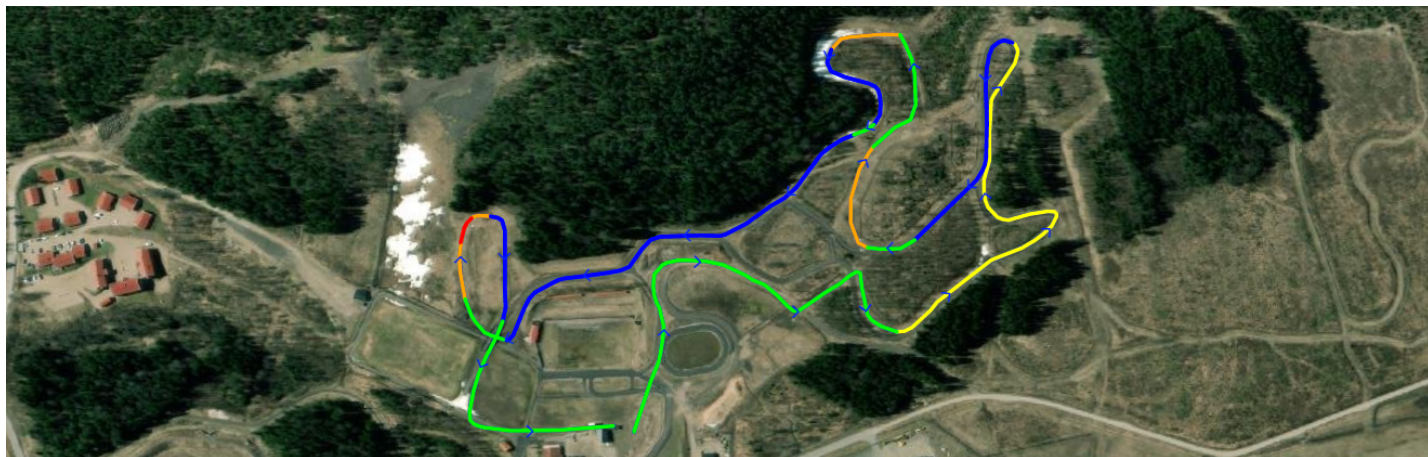
CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number: 22/07.03/2.5
(2) Name of the competition site: Valberget
(3) Name of city/region: Torsby
(4) Organizer: SK Bore Torsby / Torsby Kommun
(5) National ski association: Svenska Skidförbundet / Swedish Ski Association
(6) Contact person in the organizing committee: Fredrik Värmsjö
(7) Homologation inspector: Per-Åke Yttergård
(8) Name of course: 2,5 km
(9) Competition level for course: COC

Course length:	2,523m	Height difference (HD):	39m	Lowest point:	126m
Course category:	D	Maximum climb (MC):	31m	Highest point:	165m
		Total climb (TC):	89m		



A-climb B-climb C-climb descent undulated terrain



FIS Office

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FIS International Ski Federation
Blochstrasse 2 / Postfach
CH - 3653 Oberhofen

FIS Stamp



FIS Homologation
Responsible

Bjørkestøl, Hermod

Date of Issue

27.01.2022

Valid until

30.06.2027

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	1	31	34.8
- shorter climbs	3	37	41.6
- steep climbs	1	0	0.0
- descents	4	0	0.0
- undulated terrain	6	21	23.6

(11) Stadium area:

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

(13) Possibility of snow making:

Good

(14) Map Material:

OK

(15) Source of accurate elevation data:

Garmin GPS, orienteering maps, measure wheel, clinometer and LiDAR measurements from the Swedish mapping authority Lantmäteriet

(16) Safety considerations:

Padding needed at bridge entrances on the stadium and at some direction signs along the course

(17) General remarks:

None

(18) Date of first inspection: 2015/11/15

(19) Date of final inspection: 2022/1/27

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb ■	1	457	31	31	4.5 - 16.2	7.1	
	total			31			34.8% part of TC
B-climb ■	1	1,171	14	14	6.4 - 17.9	13.0	
	2	1,407	10	10	7.3 - 16.1	14.3	
	3	2,076	13	13	5.3 - 25.4	13.1	C at 2,131m, PTC: 5m, 19.2%
	total			37			41.6% part of TC
C-climb ■	total			0			0.0% part of TC
undulated terrain ■	total			21			23.6% part of TC
	total climb			89			