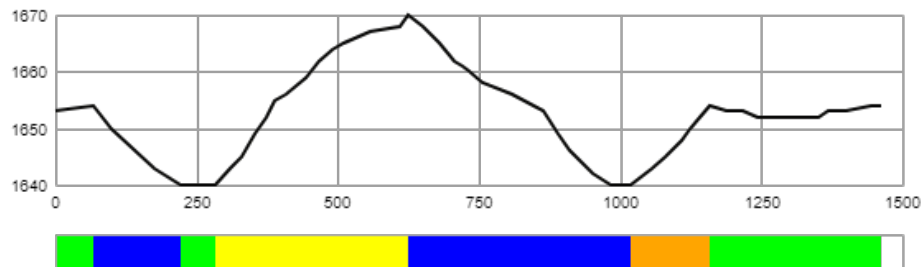




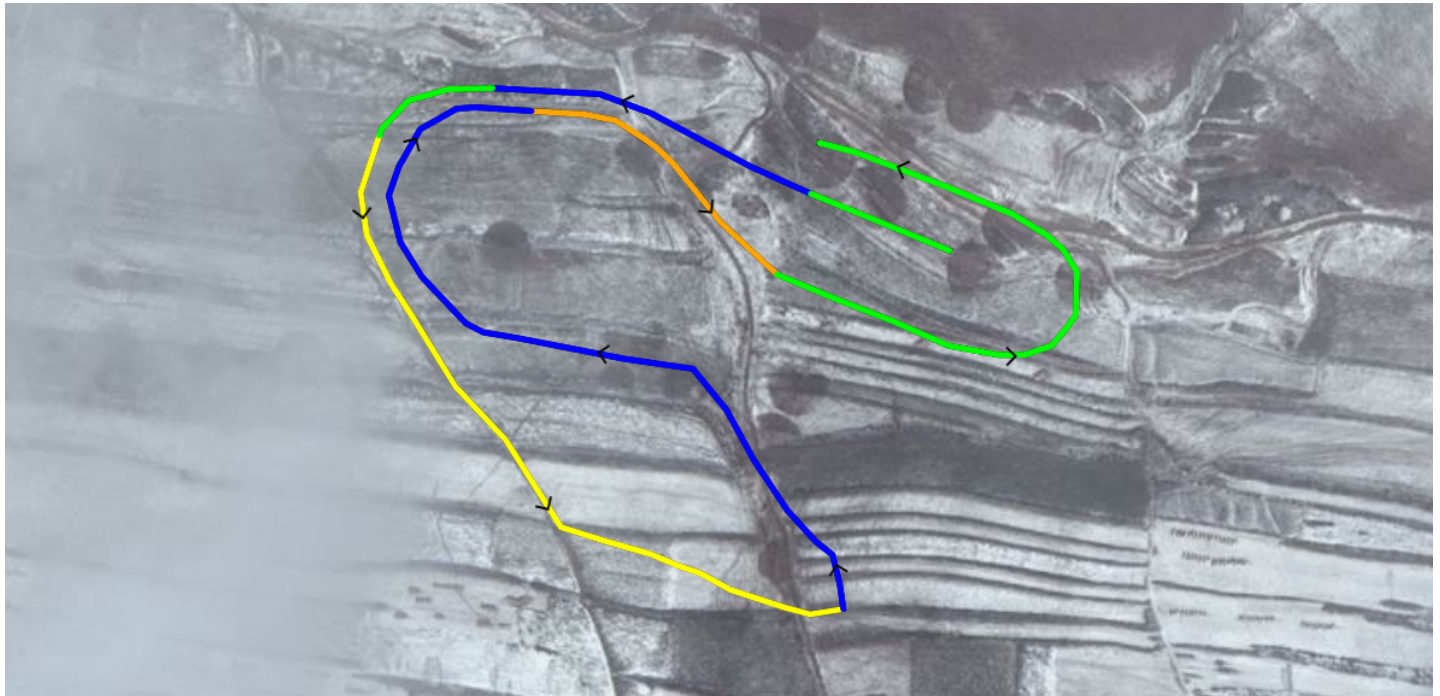
CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number: **WC21/52.01/1.5**
(2) Name of the competition site: **National Cross-Country Skiing Centre**
(3) Name of city/region: **Zhangjiakou**
(4) Organizer: **Beijing 2022 Olympic Committee**
(5) National ski association: **Chinese Ski Association**
(6) Contact person in the organizing committee: **Zhu Youping**
(7) Homologation inspector: **John Aalberg**
(8) Name of course: **Sprint 1.5 km**
(9) Competition level for course: **WC**

Course length:	1,461m	Height difference (HD):	30m	Lowest point:	1,640m
Course category:	D	Maximum climb (MC):	30m	Highest point:	1,670m
		Total climb (TC):	47m		



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


Allan Serrano

Date of Issue
28.10.2021
Valid until
30.06.2026

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	1	30	63.8
- shorter climbs	1	14	29.8
- descents	2	0	0.0
- undulated terrain	3	3	6.4

(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			
Course suitable for following competition formats with					
a) Classical technique	yes	yes			
b) Free technique	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:

Yes, new system built for the Olympic Games

(14) Map Material:

Very good, surveyed by engineers

(15) Source of accurate elevation data:

Survey data

(16) Safety considerations:

(17) General remarks:

The uphill should have a diagonal zone for classical technique competitions

(18) Date of first inspection: 2017/6/1

(19) Date of final inspection: 2021/10/15

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	1	283	30	30	1.9 - 13.1	8.8	
	total			30			63.8% part of TC
B-climb	1	1,017	14	14	7.8 - 12.0	10.0	
	total			14			29.8% part of TC
C-climb	total			0			0.0% part of TC
undulated terrain	total			3			6.4% part of TC
	total climb			47			