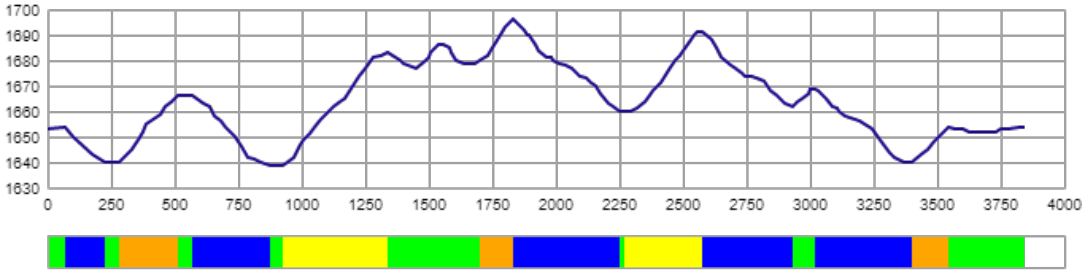
CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE

(1) Registration number:	WC21/52.05/3.75
(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:	3.75 km FR
(9) Competition level for course	WC

Course length:	3,844m	Height difference (HD):	57m	Lowest point:	1,639m
Course category:	D	Maximum climb (MC):	44m	Highest point:	1,696m
		Total climb (TC):	151m		



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

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FIS Stamp

FIS Homologation Responsible

Allan Serrano

Date of Issue
28.10.2021
Valid until
30.06.2026

(10) Overview of the uphills:

	No.	PTC	% of TC
- major climbs	2	75	49.7
- shorter climbs	3	56	37.1
- descents	5	0	0.0
- undulated terrain	8	20	13.2

(11) Stadium area:

Fixed stadium area	yes
Fixed building	yes
Temporary stadium	no
Temporary building	no
Good infrastructure (access, parking, media, etc.)	yes
Skitesting area along course/near stadium	yes
Warm up track near the stadium	yes

Indoor working room:

Timekeeping	yes
Announcer	yes
Jury	yes
Race office	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) Classsical technique	yes		yes	yes	yes
b) Free technique	yes		yes	yes	yes
Course suitable for relay and skiathlon competition					
a) On same course					
b) Combined on different courses (C+D or D+D)			yes		

(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:

B-netting must be installed in corner at 2900 meter

(17) General remarks:

Only a short 100 meter section differs from the 3.75 km CL course.

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

(19) Date of final inspection: 2021/10/14

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)		
A-climb	1	922	44	44	3.6 - 21.1	10.6		
	2	2,271	31	31	0.0 - 16.8	10.2		
	total			75			49.7%	part of TC
B-climb	1	283	26	26	4.9 - 18.6	11.4		
	2	1,702	16	16	7.3 - 16.8	12.2		
	3	3,400	14	14	7.8 - 12.0	10.0		
	total			56			37.1%	part of TC
C-climb	total			0			0.0%	part of TC
undulated terrain	total			20			13.2%	part of TC
	total climb			151				