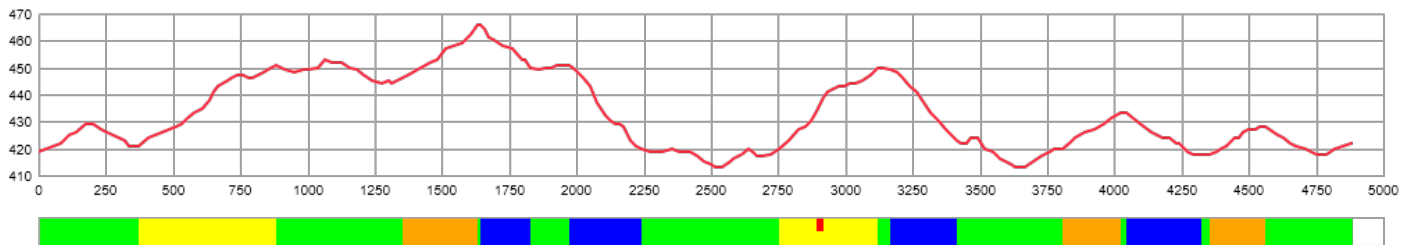




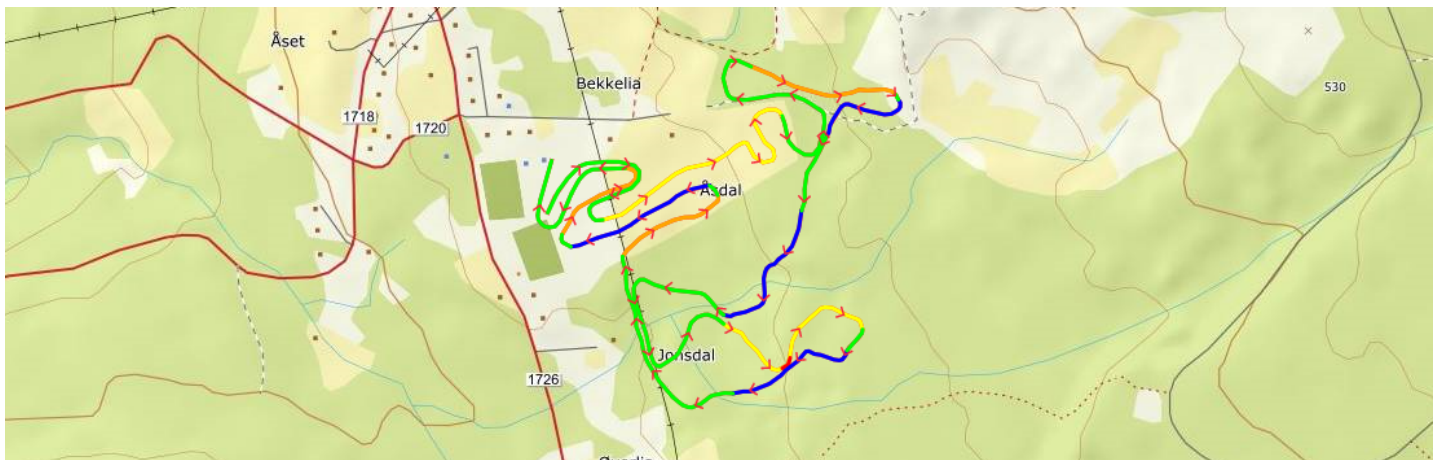
**CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE**

- | | |
|-------------------------------------------------|------------------------------|
| (1) Registration number: | |
| (2) Name of the competition site: | Nybygda |
| (3) Name of city/region: | Brumunddal, Hedmark Skikrets |
| (4) Organizer: | Nybygda IL |
| (5) National ski association: | Norges Skiforbund |
| (6) Contact person in the organizing committee: | Geir Mauseth |
| (7) Homologation inspector: | Torbjørn Broks Pettersen |
| (8) Name of course: | HL 2020 5,0km RØD |
| (9) Competition level for course | |

Course length:	4,888m	Height difference (HD):	53m	Lowest point:	413m
Course category:	D	Maximum climb (MC):	31m	Highest point:	466m
		Total climb (TC):	148m		



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



FIS Office

FIS Stamp

FIS Homologation
Responsible

Date of Issue

Valid until

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	2	61	41.2
- shorter climbs	3	43	29.1
- steep climbs	1	0	0.0
- descents	4	0	0.0
- undulated terrain	10	44	29.7

(11) Stadium area:

		Indoor working room:	
Fixed stadium area	no	Timekeeping	no
Fixed building	no	Announcer	no
Temporary stadium	no	Jury	no
Temporary building	no	Race office	no
Good infrastructure (access, parking, media, etc.)	no		
Skitesting area along course/near stadium	no		
Warm up track near the stadium	no		

(12) Category for the stadium and course layout:

	Interval	Sprint	Skiathlon	Relay	Mass start
Stadium suitable for following competition formats					
Course suitable for following competition formats with					
a) Classical technique					
b) Free technique					
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:

(14) Map Material:

(15) Source of accurate elevation data:

(16) Safety considerations:

(17) General remarks:

(18) Date of first inspection:

(19) Date of final inspection:

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb ■	1	374	30	31	-4.9 - 15.7	5.9	
	2	2,754	30	30	4.1 - 23.9	8.2	C at 2,894m, PTC: 5m, 20.0%
	total			61		41.2%	part of TC
B-climb ■	1	1,355	20	20	2.9 - 17.1	7.3	
	2	3,808	13	13	2.9 - 9.6	6.0	
	3	4,352	10	10	0.0 - 11.4	4.9	
total			43		29.1%	part of TC	
C-climb ■	total			0		0.0%	part of TC
undulated terrain ■	total			44		29.7%	part of TC
total climb				148			