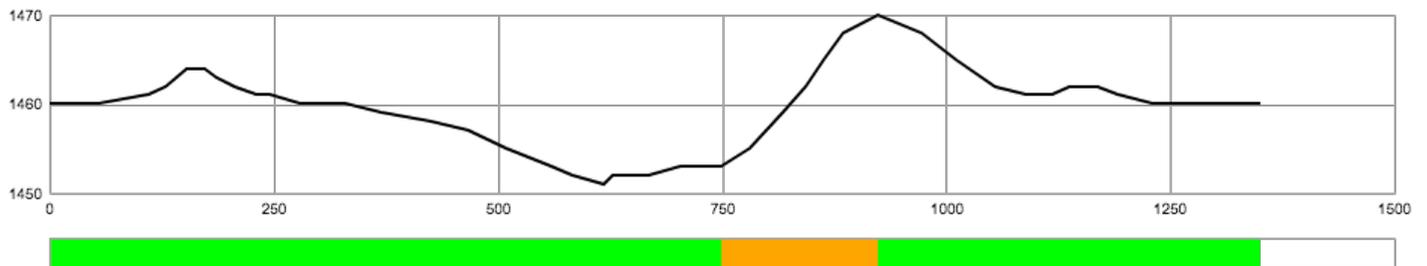




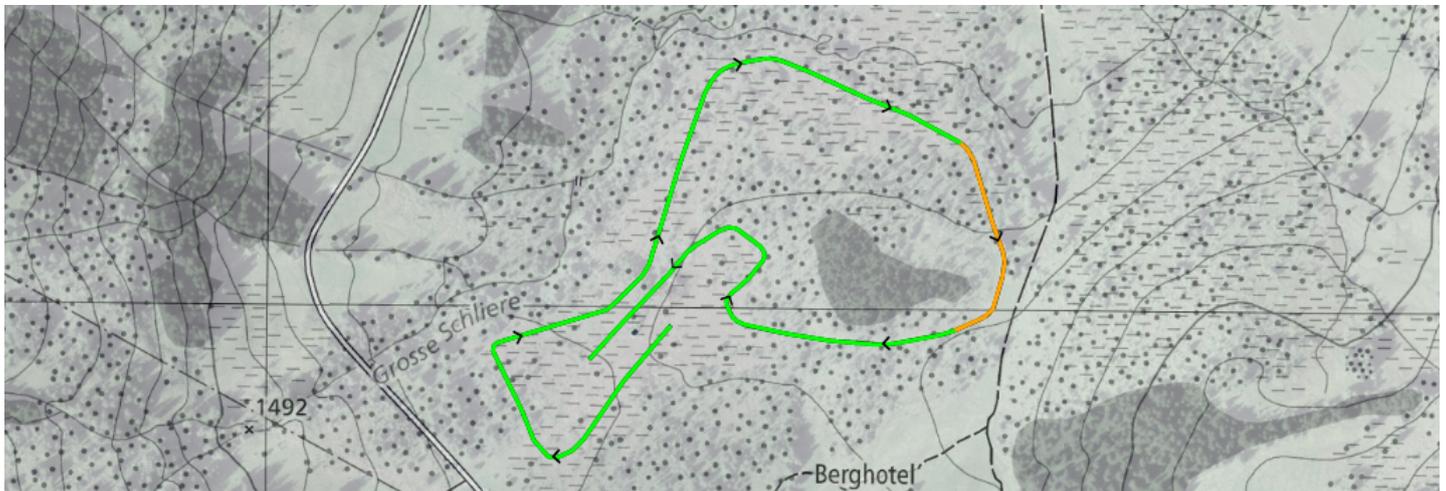
CERTIFICATE  
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE  
FIS CROSS-COUNTRY COMMITTEE

|   |                                |
|---|--------------------------------|
| (1) Registration number:                        | 23/64.01/1.4                   |
| (2) Name of the competition site:               | Langis                         |
| (3) Name of city/region:                        | Sarnen SUI                     |
| (4) Organizer:                                  | Skiclub Horw                   |
| (5) National ski association:                   | Swiss Ski                      |
| (6) Contact person in the organizing committee: | Fähndrich Kurt, Eigenthal      |
| (7) Homologation inspector:                     | Markus Kohler, St. Stephan SUI |
| (8) Name of course:                             | Sprint Free                    |
| (9) Competition level for course:               | COC                            |

|                  |        |                         |     |                |        |
|------------------|--------|-------------------------|-----|----------------|--------|
| Course length:   | 1,350m | Height difference (HD): | 19m | Lowest point:  | 1,451m |
| Course category: | D      | Maximum climb (MC):     | 17m | Highest point: | 1,470m |
|                  |        | Total climb (TC):       | 24m |                |        |



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



FIS Office

*Michal Lamplot*

Lamplot, Michal  
FIS International Ski and  
Snowboard Federation  
Blochstrasse 2 / Postfach  
CH - 3653 Oberhofen

FIS Stamp



FIS Homologation  
Responsible

*M. Kohler*

Kohler, Markus

Date of Issue

04.07.2023

Valid until

30.06.2028

(10) Overview of the uphill:

|                     | No. | PTC | % of TC |
|---------------------|-----|-----|---------|
| - shorter climbs    | 1   | 17  | 70.8    |
| - undulated terrain | 2   | 7   | 29.2    |

(11) Stadium area:

|  |     | Indoor working room: |     |
|--|-----|----------------------|-----|
| Fixed stadium area                                 | no  | Timekeeping          | yes |
| Fixed building                                     | no  | Announcer            | yes |
| Temporary stadium                                  | yes | Jury                 | yes |
| Temporary building                                 | yes | 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    |           |       |            |
| Course suitable for following competition formats with |          |        |           |       |            |
| a) Classical technique                                 |          |        |           |       |            |
| b) Free technique                                      |          | 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:

No

(14) Map Material:

[www.map.geo.admin.ch](http://www.map.geo.admin.ch)

(15) Source of accurate elevation data:

[www.map.geo.admin.ch](http://www.map.geo.admin.ch)

(16) Safety considerations:

dangerous obstacles in the fall area must be removed or secured accordingly

(17) General remarks:

(18) Date of first inspection: 2018/11/7

(19) Date of final inspection: 2018/12/8

(20) Summary of terrain characteristics

|                   | # | at m        | PHD (m) | PTC (m) | grad. (%) | avg. grad.(%) |                  |
|-------------------|---|-------------|---------|---------|-----------|---------------|------------------|
| A-climb           | ■ | total       |         | 0       |           |               | 0.0% part of TC  |
| B-climb           | ■ | 1           | 749     | 17      | 17        | 5.2 - 15.6    | 9.7              |
|                   |   | total       |         | 17      |           |               | 70.8% part of TC |
| C-climb           | ■ | total       |         | 0       |           |               | 0.0% part of TC  |
| undulated terrain | ■ | total       |         | 7       |           |               | 29.2% part of TC |
|                   |   | total climb |         | 24      |           |               |                  |