

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

(1) Registration number:

(2) Name of the competition site:

(3) Name of city/region:

(4) Organizer:

(5) National ski association:

(6) Contact person in the organizing committee:

(7) Homologation inspector:

(8) Name of course:

(9) Competition level for course

Östersunds Skidstadion

Östersund

Organizing Committee Para Nordic Skiing World Championships

Svenska Parasportförbundet / Swedish Parasport Association

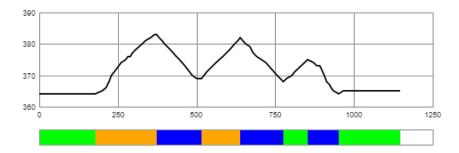
Tommie Jirhed

Jonas Braam / Geir Colbjörnsen

WPNS Standing Sprint 1.1 km LW 2-9, B 1-3

WC COC

| Course length:   | 1,148m | Height difference (HD): | 19m | Lowest point:  | 364m |
|------------------|--------|-------------------------|-----|----------------|------|
| Course category: | D      | Maximum climb (MC):     | 19m | Highest point: | 383m |
|                  |        | Total climb (TC):       | 40m |                |      |



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



FIS Office FIS Stamp FIS Homologation Date of Issue Responsible Valid until

(10) Overview of the uphills:

|                     | No. | PTC | % of TC |
|---------------------|-----|-----|---------|
| - shorter climbs    | 2   | 32  | 80.0    |
| - descents          | 3   | 0   | 0.0     |
| - undulated terrain | 3   | 8   | 20.0    |

(11) Stadium area: Indoor working room:

| r) Gladiam area.   |     | macer werking reem. |     |  |
|--------------------|-----|---------------------|-----|--|
| 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   | yes        |
| Course suitable for following competition formats with |          |        |           |       |            |
| a) Classsical technique                                |          | yes    |           |       |            |
| 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:

Very good. Snow storage to ensure competitions early in the season

(14) Map Material:

Very good

(15) Source of accurate elevation data:

LiDAR measurements from the Swedish Land Survey

- (16) Safety considerations:
- (17) General remarks:

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(18) Date of first inspection: 2022/5/9

(19) Date of final inspection: 2022/10/2

## (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     | 178   | 19      | 19      | 0.0 - 27.3 | 9.7           |       |            |
|                   | 2     | 517   | 13      | 13      | 8.8 - 13.3 | 10.6          |       |            |
|                   | total |       |         | 32      |            |               | 80.0% | part of TC |
| C-climb           | total |       |         | 0       |            |               | 0.0%  | part of TC |
| undulated terrain | total |       |         | 8       |            | ·             | 20.0% | part of TC |
|                   | total | climb |         | 40      |            | ·             |       |            |