



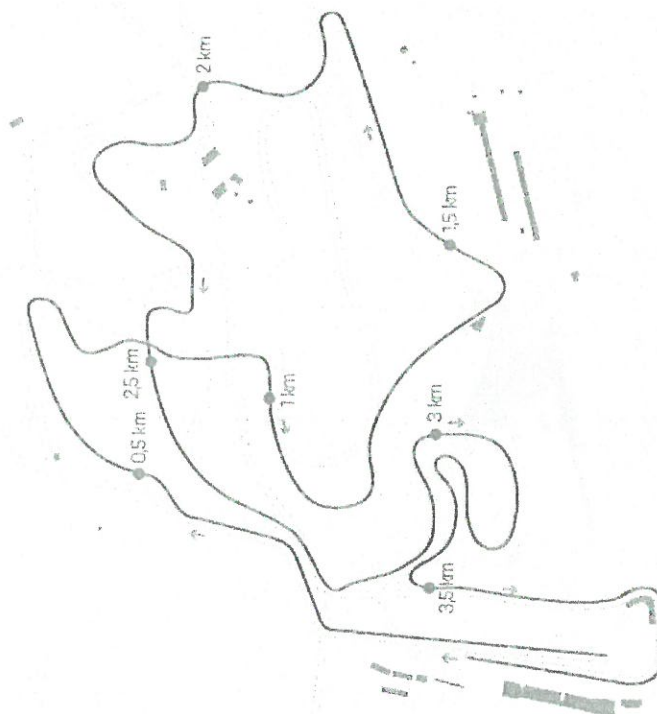
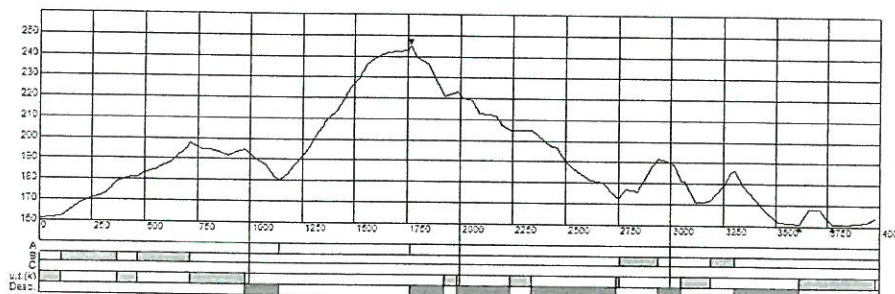
CERTIFICATE

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



- (1) Registration Number: WC 14/22.05/3,75
- (2) Location of the competition site: Lugnet, Falun
- (3) Organizer: WSC 2015
- (4) National Ski Association: Svenska Skidförbundet
- (5) Contact person in the organizing committee: Tomas Jons
- (6) Homologation inspector: Jakub Vodrazka/Hermod Bjørkestøl
- (7) Name of course: 3,75 km blue
- (8) Description of course:

| | | | | | |
|--------------------|--------|-------------------------|-------|---------------|-------|
| Course length: | 3982 m | Height Difference (HD): | 84m | Lowest point: | 161 m |
| Category | E | Maximum Climb (MC): | 65 m | Highest point | 245 m |
| Competition Level: | WSC | Total Climb (TC): | 152 m | | |



p.o. *P. Mignerey*
FIS Office
Pierre Mignerey

FIS Stamp
Internat. Ski Verband FIS
Blochstrasse 2 / Postfach
CH-3653 Oberhofen

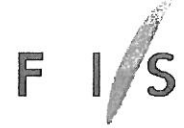
FIS Homologation Responsible
Hermod Bjørkestøl
Hermod Bjørkestøl

Date of Issue
08.12.2014
Valid until
30.06.2019



FIS CROSS COUNTRY COMMITTEE

Subcommittee for Rules and Control



DOCUMENTATION OF HOMOLOGATED CROSS COUNTRY COURSES

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- (9) Overview of the uphill
- major uphill
 - shorter uphill
 - undulated terrain

| No. | PTC | % of TC |
|------|-----|---------|
| 1 | 65 | 42.76 |
| 4 | 68 | 44.74 |
| u.t. | 19 | 12.50 |

(10) Stadium area

- | | |
|---|---|
| <ul style="list-style-type: none"> - fixed stadium..... <input checked="" type="checkbox"/> - fixed building..... <input checked="" type="checkbox"/> - temporary stadium..... <input type="checkbox"/> - temporary building..... <input type="checkbox"/> - good infrastructure (access, parking, media, etc.)..... <input checked="" type="checkbox"/> - skitesting area near the stadium..... <input checked="" type="checkbox"/> - warm up track near the stadium..... <input checked="" type="checkbox"/> | <p>indoor working room for</p> <ul style="list-style-type: none"> - timekeeping..... <input checked="" type="checkbox"/> - calculation..... <input checked="" type="checkbox"/> - announcer..... <input checked="" type="checkbox"/> - media..... <input checked="" type="checkbox"/> - jury..... <input checked="" type="checkbox"/> - others..... <input checked="" type="checkbox"/> |
|---|---|

(11) Category for the stadium and course layout

- | | Individual | Sprint | Pursuit | Relay | Masstart |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Stadium: suitable for following starting procedures | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Course: suitable for following competition formats with | | | | | |
| a) classical technique | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) free technique | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| suitable for mixed relay and pursuit competition | | | | | |
| a) on the same course..... | | | | | <input type="checkbox"/> |
| b) combined with a separat course..... | | | | | <input type="checkbox"/> |
| Category: | | | | | E |

(12) Possibility of snow making

- | | |
|---|---|
| Stadium area..... <input checked="" type="checkbox"/> | Course..... <input checked="" type="checkbox"/> |
|---|---|

(13) Substitute course available.....

(14) Map material in accordance to art 313.4.3 ICR

- | | |
|--|--|
| very good..... <input checked="" type="checkbox"/> | sufficient..... <input type="checkbox"/> |
|--|--|

(15) Date of the final inspection:

(16) Closing of the homologation procedure:

(17) Date of the FIS-License:

Data of the course profile



| Data | | Remarks of the inspector | | | | |
|---|---------------------|--------------------------|-----|----------|------------------|--------------------------|
| Name of the course | Lugnet 3,75 km blue | | | | | |
| Competition distance | 3982 | | | | | |
| Number and length of the laps | | | | | | |
| Height difference (HD) | 84 m | | | | | |
| Maximum climb (MC) | 65 m | | | | | |
| Total climb (TC) | 152 m | | | | | |
| Lowest point | 161 m | | | | | |
| Highest point | 245 m | | | | | |
| A | at m | PHD | PTC | gradient | average gradient | Remarks of the inspector |
| major uphill with: and Ø 6.00 - 12.00% gradient in accordance to ICR 313.1 | 1. | 1140 | 65 | 65 | 1.11-17.39 | 10.38 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| total | | | | | | 42.76% part of TC |
| B | | | | | | |
| shorter uphill with: 10 m - 29 m MP and Ø <18.00% gradient in accordance to ICR 313.1 | 1. | 108 | 17 | 17 | 3.23-12.50 | 6.46 |
| | 2. | 466 | 17 | 17 | 2.78-12.50 | 6.77 |
| | 3. | 2758 | 19 | 20 | 13.33-16.67 | 10.33 |
| | 4. | 3190 | 14 | 14 | 5.00-16.67 | 12.07 |
| | | | | | | |
| total | | | | | | 44.74% part of TC |
| C | | | | | | |
| steep uphill with Dist. <= 30 m and Ø > 18.00% gradient in accordance to ICR 313.1 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| undulated terrain | | | 19 | | | |
| total | | | 19 | | | 12.50% part of TC |
| total climb | | | | | 100.00 | 0 |