



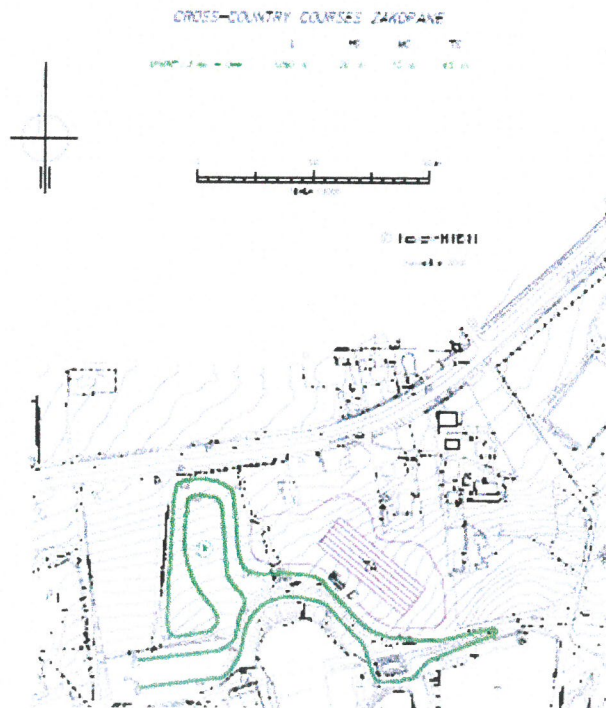
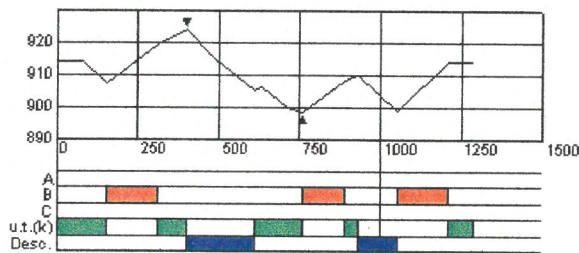
CERTIFICATE

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



- (1) Registration Number: 10/22.01/1,3
- (2) Location of the competition site: Zakopane
- (3) Organizer: Urzad Miaste Zakopane.
- (4) National Ski Association: Polish Ski Association
- (5) Contact person in the organizing committee: Zofia Stefania Kielpinska
- (6) Homologation inspector: Krzysztof Horecki
- (7) Name of course: Zakopane sprint 1,3 km
- (8) Description of course:

Course length:	1290 m	Height Difference (HD):	26 m	Lowest point:	898 m
Category:	D	Maximum Climb (MC):	15 m	Highest point:	924 m
Competition Level:	COC	Total Climb (TC):	45 m		



FIS Office
p.o. *J. Capol*
Jürg Capol

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

FIS Homologation Responsible
Hermod Bjørkestøl
Hermod Bjørkestøl

Date of Issue
11.12.2010
Valid until
30.06.2015



FIS CROSS COUNTRY COMMITTEE

Subcommittee for Rules and Control



DOCUMENTATION OF HOMOLOGATED CROSS COUNTRY COURSES

- (1) Registration Number: 1/B/2010
 (2) Location of the competition site: ZAKOPANE
 (3) Organizer: URZAD MIASTA ZAKOPANE
 (4) National Ski Association: POLISH SKI ASSOCIATION
 (5) Contact person in the organizing committee: Zofia Stefania KIELPINSKA
 (6) Homologation inspector:
 (7) Name of course: Sprint 1,3 km
 (8) Description of course:

Course length:	1290m	Height Difference (HD):	26m	Lowest point:	898m
Category:	D	Maximum Climb (MC):	15m	Highest point:	924m
Competition Level:	COC/FIS	Total Climb (TC):	45m		

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

No.	PTC	% of TC
0	0	0.00
3	37	82.22
u.t.	8	17.78

(10) Stadium area

- | | | | |
|---|-------------------------------------|-------------------------|-------------------------------------|
| - fixed stadium..... | <input checked="" type="checkbox"/> | indoor working room for | |
| - fixed building..... | <input checked="" type="checkbox"/> | - timekeeping..... | <input checked="" type="checkbox"/> |
| - temporary stadium..... | <input type="checkbox"/> | - calculation..... | <input checked="" type="checkbox"/> |
| - temporary building..... | <input type="checkbox"/> | - announcer..... | <input type="checkbox"/> |
| - good infrastructure (access, parking, media, etc.)..... | <input checked="" type="checkbox"/> | - media..... | <input checked="" type="checkbox"/> |
| - skitesting area near the stadium..... | <input checked="" type="checkbox"/> | - jury..... | <input checked="" type="checkbox"/> |
| - warm up track near the stadium..... | <input checked="" type="checkbox"/> | - others..... | <input 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 type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Course: suitable for following competition formats with | | | | | |
| a) classical technique | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) free technique | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| suitable for mixed relay and pursuit competition | | | | | |
| a) on the same course..... | | | | | <input checked="" type="checkbox"/> |
| b) combined with a separat course..... | | | | | <input type="checkbox"/> |
| Category: | | | | | D |

(12) Possibility of snow making

- Stadium area..... Course.....

(13) Substitute course available.....

(14) Map material in accordance to art 313.4.3 ICR

- very good..... sufficient.....

(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	Sprint 1,3 km						
Competition distance	1290						
Number and length of the laps	1x1290						
Height difference (HD)	26 m						
Maximum climb (MC)	15 m						
Total climb (TC)	45 m						
Lowest point	898 m						
Highest point	924 m						
A	at m	PHD	PTC	gradient	average gradient	Remarks of the inspector	
major uphill with:							
30 m - 50 m MP							
and Ø							
6.00 - 12.00% gradient							
in accordance to ICR 313.1							
total						0.00% part of TC	
B							
shorter uphill with:							
10 m - 29 m MP							
and Ø							
<18.00% gradient							
in accordance to ICR 313.1							
total						82.22% part of TC	
C							
steep uphill with							
Dist. <= 30 m							
and Ø							
> 18.00% gradient							
in accordance to ICR 313.1							
undulated terrain			8				
total			8			17.78% part of TC	
total climb					100.00	0	



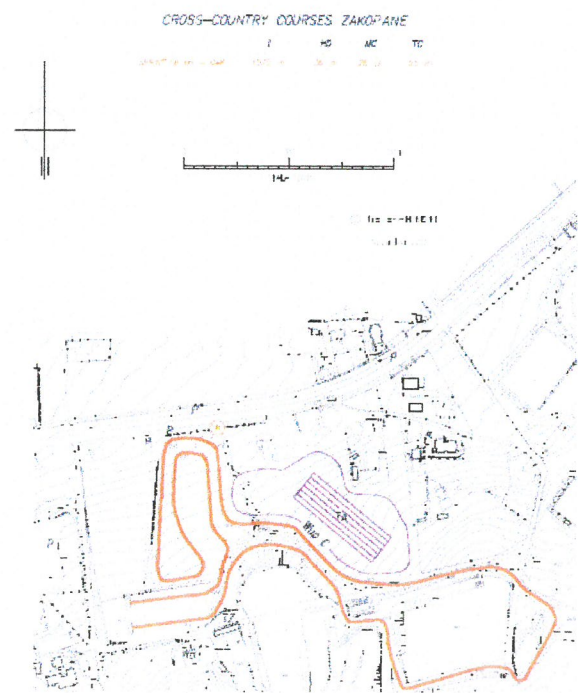
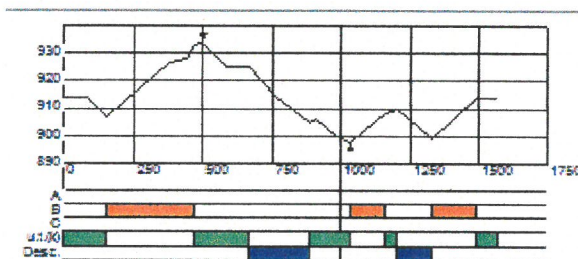
CERTIFICATE

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



- (1) Registration Number: 10/22.02/1,6
- (2) Location of the competition site: Zakopane
- (3) Organizer: Urząd Miaste Zakopane
- (4) National Ski Association: Polish Ski Association
- (5) Contact person in the organizing committee: Zofia Stefania Kielpinska
- (6) Homologation inspector: Krzysztof Horecki
- (7) Name of course: Zakopane sprint 1,6 km
- (8) Description of course:

Course length:	1570 m	Height Difference (HD):	36 m	Lowest point:	898 m
Category:	D	Maximum Climb (MC):	26 m	Highest point:	934 m
Competition Level:	COC	Total Climb (TC):	55 m		



FIS Office
p.o. *Jürg Capol*
Jürg Capol

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

FIS Homologation Responsible
Hermod Bjørkestøl
Hermod Bjørkestøl

Date of Issue
17.12.2010
Valid until
30.06.2015



FIS CROSS COUNTRY COMMITTEE

Subcommittee for Rules and Control



DOCUMENTATION OF HOMOLOGATED CROSS COUNTRY COURSES

- (1) Registration Number: 1/B/2010
 (2) Location of the competition site: ZAKOPANE
 (3) Organizer: URZAD MIEJSKI ZAKOPANE
 (4) National Ski Association: POLISH SKI ASSOCIATION
 (5) Contact person in the organizing committee: Zofia Stefania KIELPINSKA
 (6) Homologation inspector:
 (7) Name of course: Sprint 1,6 km
 (8) Description of course:

Course length:	1570m	Height Difference (HD):	36m	Lowest point:	898m
Category:	D	Maximum Climb (MC):	26m	Highest point:	934m
Competition Level:	COC/FIS	Total Climb (TC):	55m		

(9) Overview of the uphill

- major uphill
- shorter uphill
- undulated terrain

No.	PTC	% of TC
0	0	0.00
3	51	92.73
u.t.	4	7.27

(10) Stadium area

- fixed stadium indoor working room for
- fixed building - timekeeping
- temporary stadium - calculation
- temporary building - announcer
- good infrastructure (access, parking, media, etc.) - media
- skitesting area near the stadium - jury
- warm up track near the stadium - others

(11) Category for the stadium and course layout

Stadium: suitable for following starting procedures

Course: suitable for following competition formats with

a) classical technique

b) free technique

suitable for mixed relay and pursuit competition

a) on the same course

b) combined with a separat course

Category:

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

(12) Possibility of snow making

Stadium area Course

(13) Substitute course available

(14) Map material in accordance to art 313.4.3 ICR

very good sufficient

(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	Sprint 1,6 km					
Competition distance	1570					
Number and length of the laps	1x1570					
Height difference (HD)	36 m					
Maximum climb (MC)	26 m					
Total climb (TC)	55 m					
Lowest point	898 m					
Highest point	934 m					
A	at m	PHD	PTC	gradient	average gradient	Remarks of the inspector
major uphill with:						
30 m - 50 m MP						
and Ø						
6.00 - 12.00% gradient						
in accordance to ICR 313.1						
total						0.00% part of TC
B	1.	155	26	26	1.67-16.67	8.25
shorter uphill with:	2.	1035	10	10	7.69- 7.69	7.69
10 m - 29 m MP	3.	1330	15	15	9.38- 9.38	9.38
and Ø						
<18.00% gradient						
in accordance to ICR 313.1						
total						92.73% part of TC
C						
steep uphill with						
Dist. <= 30 m						
and Ø						
> 18.00% gradient						
in accordance to ICR 313.1						
undulated terrain			4			
total			4			7.27% part of TC
total climb					100.00	0



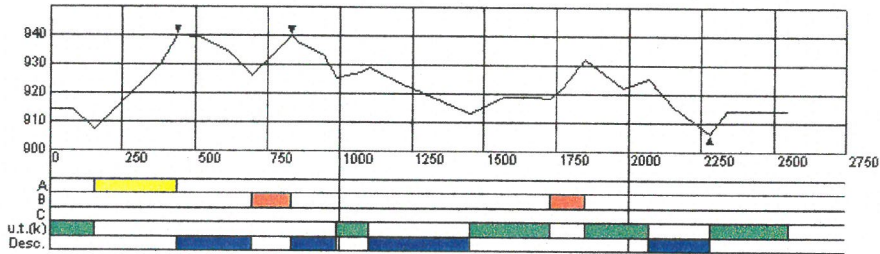
CERTIFICATE

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



- (1) Registration Number: 10/22.03/2,5
- (2) Location of the competition site: Zakopane
- (3) Organizer: Urzad Miaste Zakopane.
- (4) National Ski Association: Polish Ski Association
- (5) Contact person in the organizing committee: Zofia Stefania Kielpinska
- (6) Homologation inspector: Krzysztof Horecki
- (7) Name of course: Zakopane 2,5 km
- (8) Description of course:

Course length:	2550 m	Height Difference (HD):	34 m	Lowest point:	906 m
Category:	D	Maximum Climb (MC):	33 m	Highest point:	940 m
Competition Level:	COC	Total Climb (TC):	82 m		



FIS Office <i>p.o. J. Lessing</i> Jürg Capol	FIS Stamp Internat. Ski Verband FIS Blochstrasse 2 / Postfach CH-3653 Oberhofen	FIS Homologation Responsible <i>Hermod Bjørkestøl</i> Hermod Bjørkestøl	Date of Issue 11.12.2010 Valid until 30.06.2015
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FIS CROSS COUNTRY COMMITTEE

Subcommittee for Rules and Control



DOCUMENTATION OF HOMOLOGATED CROSS COUNTRY COURSES

- (1) Registration Number: 1/B/2010
- (2) Location of the competition site: ZAKOPANE
- (3) Organizer: URZAD MIASTA ZAKOPANE
- (4) National Ski Association: POLISH SKI ASSOCIATION
- (5) Contact person in the organizing committee: Zofia Stefania KIELPINSKA
- (6) Homologation inspector:
- (7) Name of course: 2,5 km
- (8) Description of course:

Course length:	2550m	Height Difference (HD):	34m	Lowest point:	906m
Category:	D	Maximum Climb (MC):	33m	Highest point:	940m
Competition Level:	FIS	Total Climb (TC):	82m		

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

No.	PTC	% of TC
1	33	40.24
2	28	34.15
u.t.	21	25.61

(10) Stadium area

- fixed stadium
- fixed building
- temporary stadium
- temporary building
- good infrastructure (access, parking, media, etc.)
- skitesting area near the stadium
- warm up track near the stadium
- indoor working room for
 - timekeeping
 - calculation
 - announcer
 - media
 - jury
 - others

(11) Category for the stadium and course layout

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

(12) Possibility of snow making

- Stadium area
- Course

(13) Substitute course available

(14) Map material in accordance to art 313.4.3 ICR

- very good
- sufficient

(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	2,5 km						
Competition distance	2550						
Number and length of the laps	1x2550						
Height difference (HD)	34 m						
Maximum climb (MC)	33 m						
Total climb (TC)	82 m						
Lowest point	906 m						
Highest point	940 m						
A		at m	PHD	PTC	gradient	average gradient	Remarks of the inspector
major uphill with:							
30 m - 50 m MP	1.	155	33	33	10.22-16.67	11.58	
and Ø							
6.00 - 12.00% gradient							
in accordance to ICR 313.1							
total							40.24% part of TC
B							
shorter uphill with:	1.	695	14	14	10.37-10.37	10.37	
10 m - 29 m MP	2.	1730	14	14	10.00-12.50	11.67	
and Ø							
<18.00% gradient							
in accordance to ICR 313.1							
total							34.15% part of TC
C							
steep uphill with							
Dist. <= 30 m							
and Ø							
> 18.00% gradient							
in accordance to ICR 313.1							
undulated terrain				21			
total				21			25.61% part of TC
total climb						100.00	0



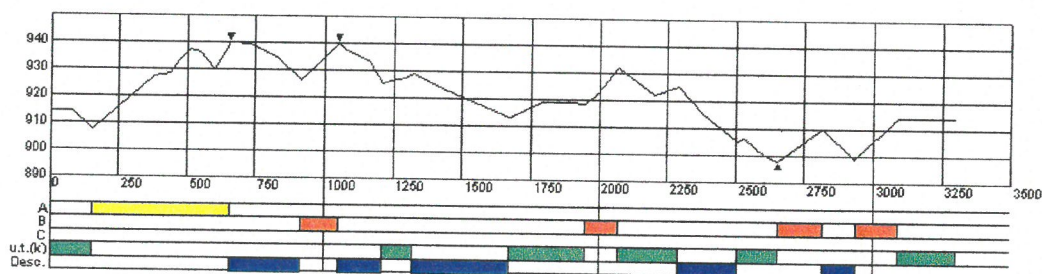
CERTIFICATE

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



- (1) Registration Number: 10/22.04/3,3
- (2) Location of the competition site: Zakopane
- (3) Organizer: Urząd Miasta Zakopane
- (4) National Ski Association: Polish Ski Association
- (5) Contact person in the organizing committee: Zofia Stefania Kielpińska
- (6) Homologation inspector: Krzysztof Horecki
- (7) Name of course: Zakopane 3,3 km
- (8) Description of course:

Course length:	3300 m	Height Difference (HD):	42 m	Lowest point:	898 m
Category:	D	Maximum Climb (MC):	40 m	Highest point:	940 m
Competition Level:	COC	Total Climb (TC):	109 m		



CROSS-COUNTRY COURSE ZAKOPANE

3300 m 42 m 40 m 109 m



FIS Office
p.o. *J. Glessing*
Jürg Capol

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

FIS Homologation Responsible
Hermod Bjørkestøl
Hermod Bjørkestøl

Date of Issue
11.12.2010
Valid until
30.06.2015



FIS CROSS COUNTRY COMMITTEE

Subcommittee for Rules and Control



DOCUMENTATION OF HOMOLOGATED CROSS COUNTRY COURSES

- (1) Registration Number: 1/B/2010
 (2) Location of the competition site: ZAKOPANE
 (3) Organizer: URZAD MIASTA ZAKOPANE
 (4) National Ski Association: POLISH SKI ASSOCIATION
 (5) Contact person in the organizing committee: Zofia Stefania KIELPINSKA
 (6) Homologation inspector:
 (7) Name of course: 3,3 km
 (8) Description of course:

Course length:	3300m	Height Difference (HD):	42m	Lowest point:	898m
Category:	D	Maximum Climb (MC):	40m	Highest point:	940m
Competition Level:	FIS	Total Climb (TC):	109m		

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

No.	PTC	% of TC
1	40	36.70
4	55	50.46
u.t.	14	12.84

(10) Stadium area

- | | | | |
|---|-------------------------------------|-------------------------|-------------------------------------|
| - fixed stadium..... | <input checked="" type="checkbox"/> | indoor working room for | |
| - fixed building..... | <input checked="" type="checkbox"/> | - timekeeping..... | <input checked="" type="checkbox"/> |
| - temporary stadium..... | <input type="checkbox"/> | - calculation..... | <input checked="" type="checkbox"/> |
| - temporary building..... | <input type="checkbox"/> | - announcer..... | <input type="checkbox"/> |
| - good infrastructure (access, parking, media, etc.)..... | <input checked="" type="checkbox"/> | - media..... | <input checked="" type="checkbox"/> |
| - skitesting area near the stadium..... | <input checked="" type="checkbox"/> | - jury..... | <input checked="" type="checkbox"/> |
| - warm up track near the stadium..... | <input type="checkbox"/> | - others..... | <input 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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Course: suitable for following competition formats with | | | | | |
| a) classical technique | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) free technique | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| suitable for mixed relay and pursuit competition | | | | | |
| a) on the same course..... | | | | | <input checked="" type="checkbox"/> |
| b) combined with a separat course..... | | | | | <input type="checkbox"/> |
| Category:..... | | | | | D |

(12) Possibility of snow making

- Stadium area..... Course.....

(13) Substitute course available.....

(14) Map material in accordance to art 313.4.3 ICR

- very good..... sufficient.....

(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	3,3 km						
Competition distance	3300						
Number and length of the laps	1x3300						
Height difference (HD)	42 m						
Maximum climb (MC)	40 m						
Total climb (TC)	109 m						
Lowest point	898 m						
Highest point	940 m						
A	at m	PHD	PTC	gradient	average gradient	Remarks of the inspector	
major uphill with: 30 m - 50 m MP and Ø 6.00 - 12.00% gradient in accordance to ICR 313.1	1. 155	33	40	1.67-16.67	6.53		
total						36.70% part of TC	
B	1. 915	14	14	10.37-10.37	10.37		
shorter uphill with: 10 m - 29 m MP and Ø <18.00% gradient in accordance to ICR 313.1	2. 1950	14	14	10.00-12.50	11.67		
	3. 2655	12	12	6.67- 7.69	7.50		
	4. 2935	15	15	9.68- 9.68	9.68		
total						50.46% part of TC	
C							
steep uphill with Dist. <= 30 m and Ø > 18.00% gradient in accordance to ICR 313.1							
undulated terrain			14				
total			14			12.84% part of TC	
total climb					100.00	0	