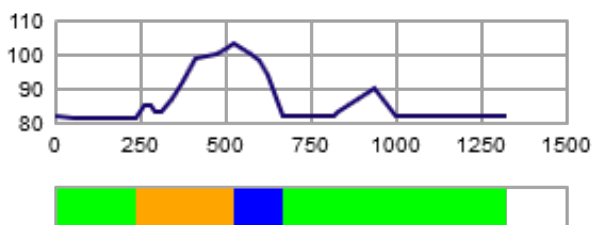


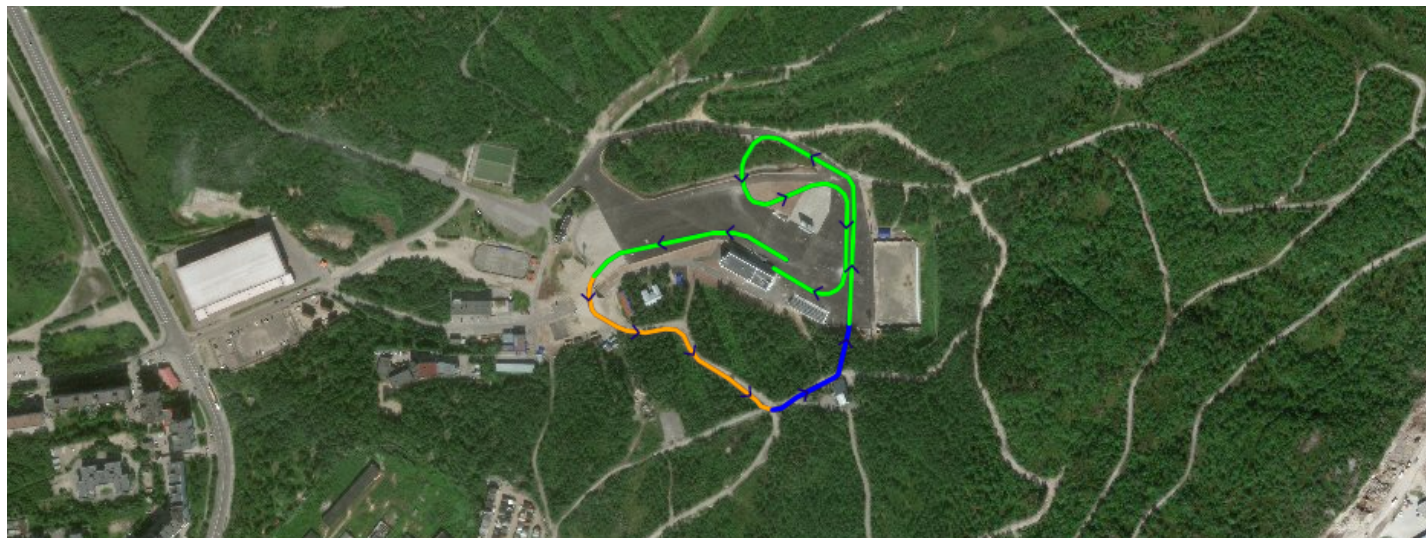
CERTIFICATE OF FIS HOMOLOGATED CROSS-COUNTRY COURSE FIS CROSS-COUNTRY COMMITTEE

(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	19/10.01/1.3 Dolina Uyuta Murmansk GUAMO "CSP" Cross-Country Skiing Federation of Russia Vladimir Shvets Andrey Arsenyev 1,325m COC
---	--

Course length:	1,325m	Height difference (HD):	22m	Lowest point:	81m
Course category:	D	Maximum climb (MC):	24m	Highest point:	103m
		Total climb (TC):	32m		



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



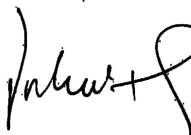
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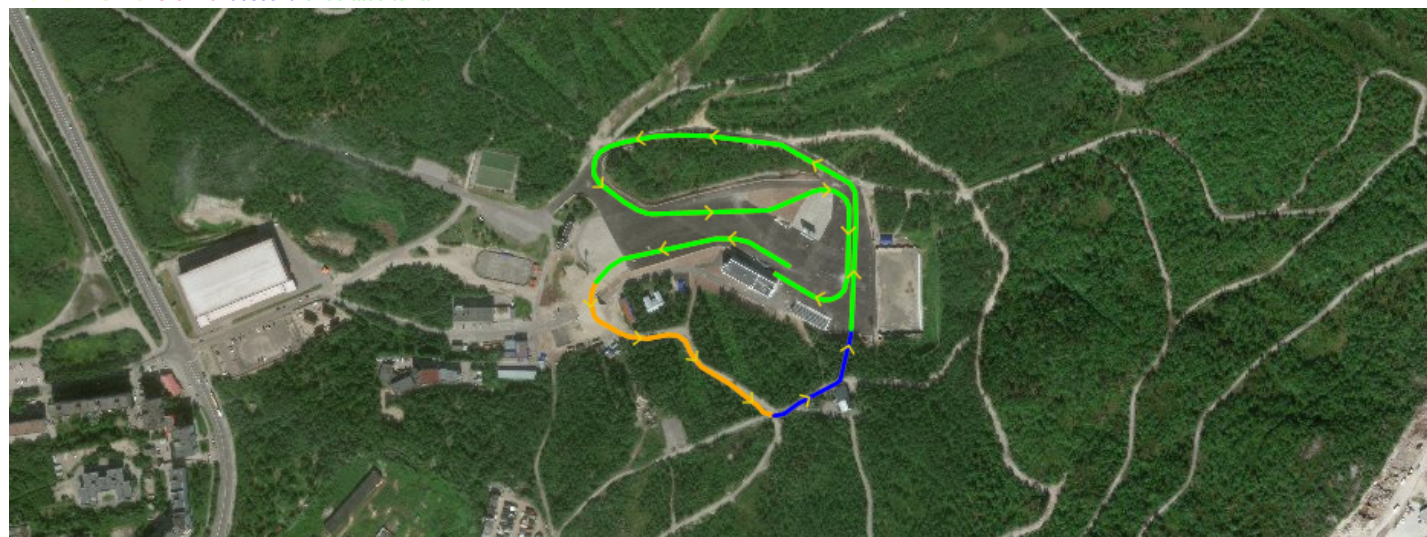
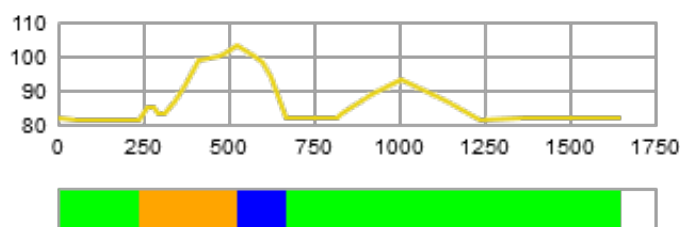

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Date of Issue
 13.03.2019
 Valid until
 30.06.2024

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(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	19/10.02/1.6 Dolina Uyuta Murmansk GUAMO "CSP" Cross-Country Skiing Federation of Russia Vladimir Shvets Andrey Arsenyev 1,653m COC
---	--

Course length:	1,653m	Height difference (HD):	22m	Lowest point:	81m
Course category:	D	Maximum climb (MC):	24m	Highest point:	103m
		Total climb (TC):	36m		



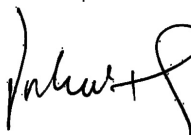
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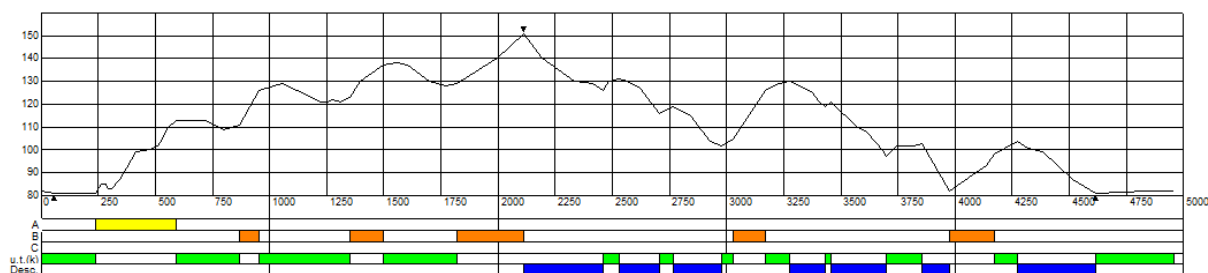
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OF FIS HOMOLOGATED CROSS-COUNTRY COURSE FIS CROSS-COUNTRY COMMITTEE



- (1) Registration Number: 17/44.08/5.0
(2) Location of the competition site: Dolina Uyuta, Murmansk
(3) Organizer: The Russian Cross Country Ski Federation
(4) National Ski Association: Russian Ski Association
(5) Contact person in the organizing committee: Andrey Arsenyev
(6) Homologation inspector: Andrey Arsenyev
(7) Name of course: 5 km
(8) Description of course:

Course length:	4961 m	Height Difference (HD):	70 m	Lowest point:	81 m
Category	C	Maximum Climb (MC):	34 m	Highest point	151 m
Competition Level:	COC	Total Climb (TC):	162 m		



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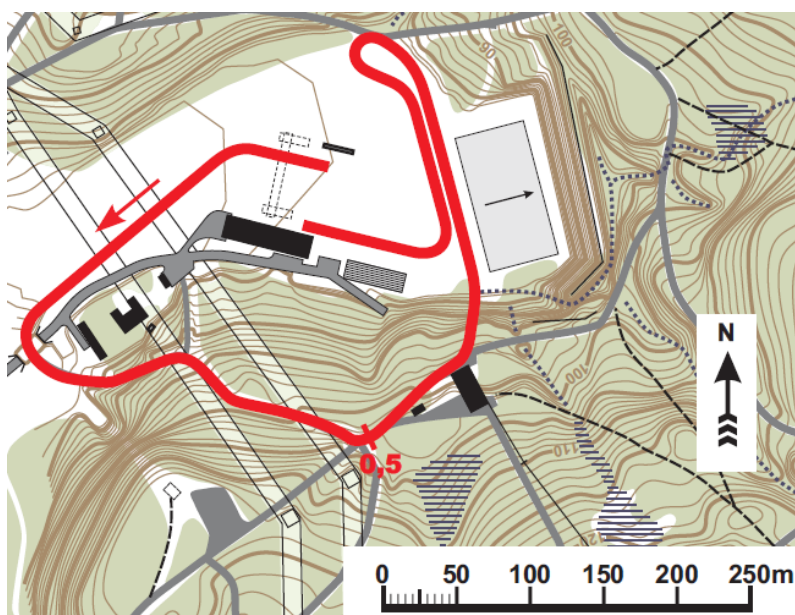
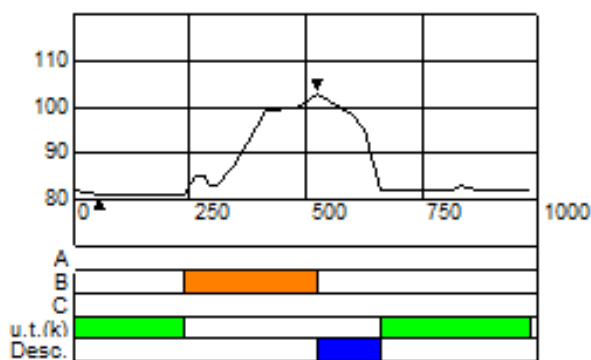
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OF FIS HOMOLOGATED CROSS-COUNTRY COURSE FIS CROSS-COUNTRY COMMITTEE



- (1) Registration Number: 17/44.01/1.0
(2) Location of the competition site: Dolina Uyuta, Murmansk
(3) Organizer: The Russian Cross Country Ski Federation
(4) National Ski Association: Russian Ski Association
(5) Contact person in the organizing committee: Andrey Arsenyev
(6) Homologation inspector: Andrey Arsenyev
(7) Name of course: 1,0 km
(8) Description of course:

Course length:	982 m	Height Difference (HD):	22 m	Lowest point:	81 m
Category	D	Maximum Climb (MC):	24 m	Highest point	103 m
Competition Level:	COC	Total Climb (TC):	25 m		



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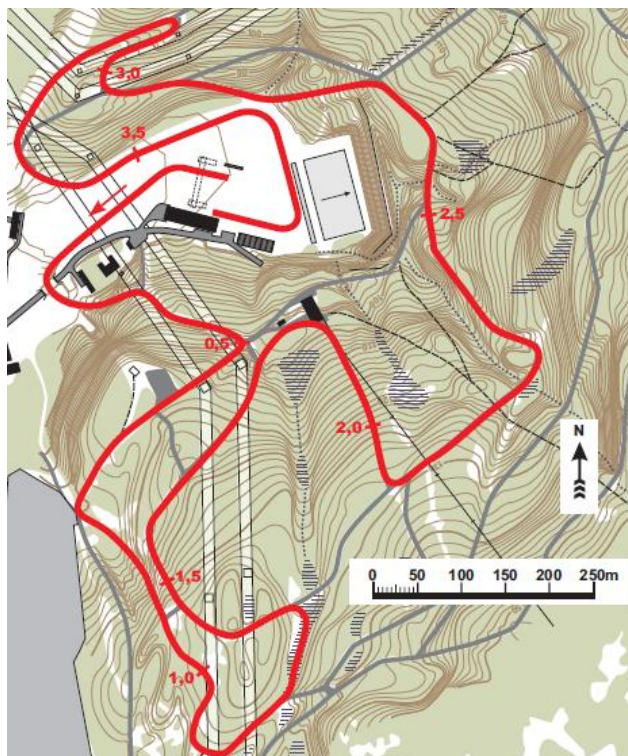
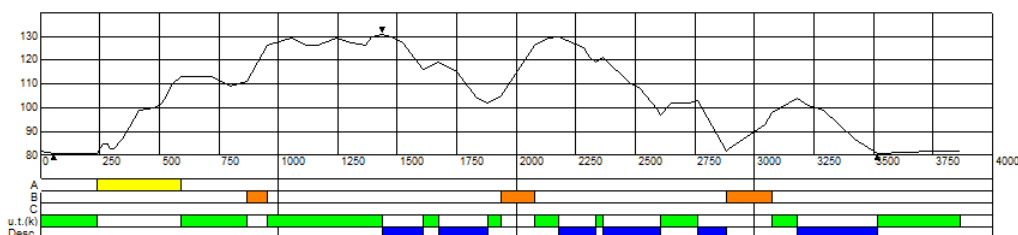
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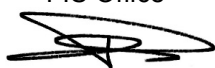
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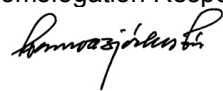
- (1) Registration Number: 17/44.07/3.75
(2) Location of the competition site: Dolina Uyuta, Murmansk
(3) Organizer: The Russian Cross Country Ski Federation
(4) National Ski Association: Russian Ski Association
(5) Contact person in the organizing committee: Andrey Arsenyev
(6) Homologation inspector: Andrey Arsenyev
(7) Name of course: 3,75 km
(8) Description of course:

Course length:	3866 m	Height Difference (HD):	50 m	Lowest point:	81 m
Category	C	Maximum Climb (MC):	34 m	Highest point	131 m
Competition Level:	COC	Total Climb (TC):	124 m		



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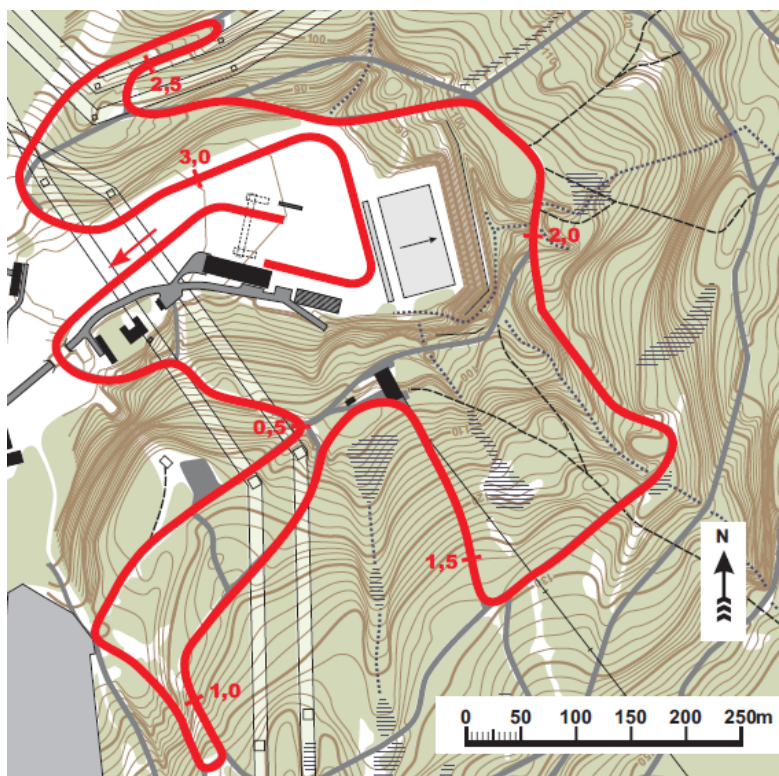
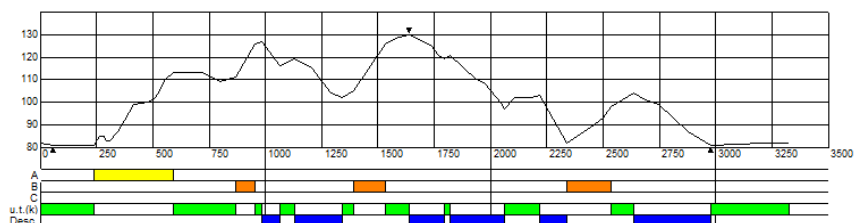
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- (1) Registration Number: 17/44.06/3.3
(2) Location of the competition site: Dolina Uyuta, Murmansk
(3) Organizer: The Russian Cross Country Ski Federation
(4) National Ski Association: Russian Ski Association
(5) Contact person in the organizing committee: Andrey Arsenyev
(6) Homologation inspector: Andrey Arsenyev
(7) Name of course: 3,3 km
(8) Description of course:

Course length:	3324 m	Height Difference (HD):	49 m	Lowest point:	81 m
Category	C	Maximum Climb (MC):	34 m	Highest point	130 m
Competition Level:	COC	Total Climb (TC):	114 m		



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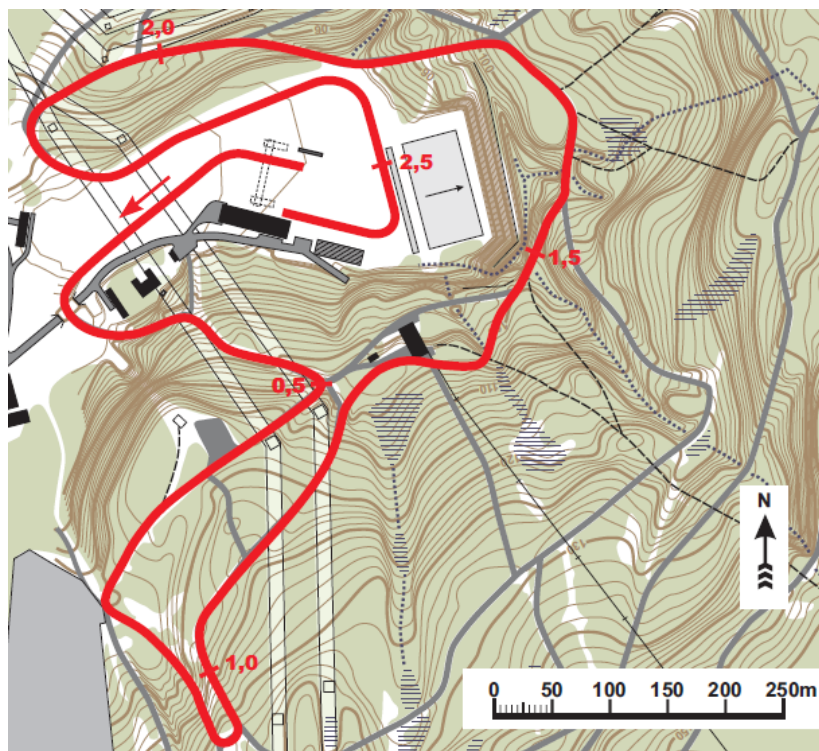
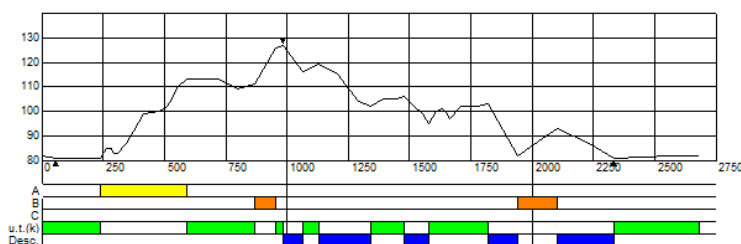
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OF FIS HOMOLOGATED CROSS-COUNTRY COURSE FIS CROSS-COUNTRY COMMITTEE



- (1) Registration Number: 17/44.05/2.5
(2) Location of the competition site: Dolina Uyuta, Murmansk
(3) Organizer: The Russian Cross Country Ski Federation
(4) National Ski Association: Russian Ski Association
(5) Contact person in the organizing committee: Andrey Arsenyev
(6) Homologation inspector: Andrey Arsenyev
(7) Name of course: 2,5 km
(8) Description of course:

Course length:	2680 m	Height Difference (HD):	46 m	Lowest point:	81 m
Category	C	Maximum Climb (MC):	34 m	Highest point	127 m
Competition Level:	COC	Total Climb (TC):	83 m		



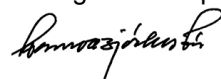
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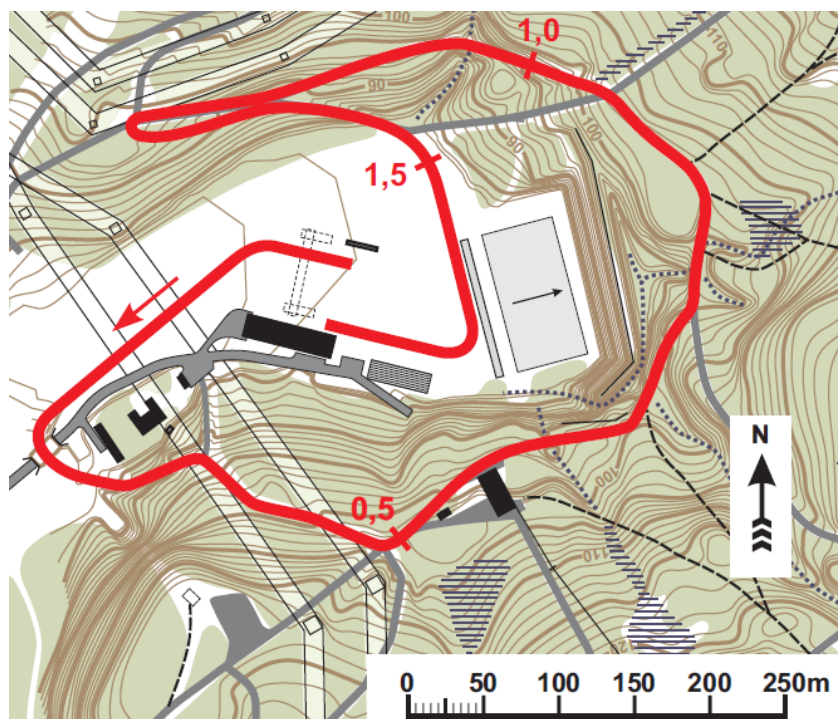
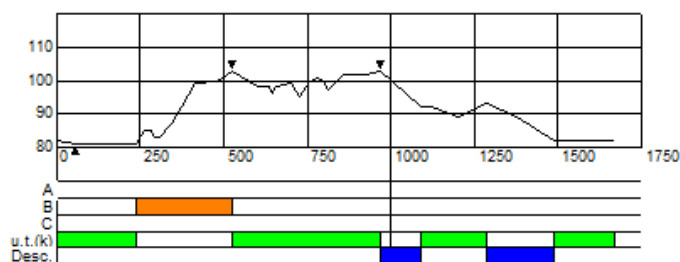
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OF FIS HOMOLOGATED CROSS-COUNTRY COURSE FIS CROSS-COUNTRY COMMITTEE



- (1) Registration Number: 17/44.04/1.7
(2) Location of the competition site: Dolina Uyuta, Murmansk
(3) Organizer: The Russian Cross Country Ski Federation
(4) National Ski Association: Russian Ski Association
(5) Contact person in the organizing committee: Andrey Arsenyev
(6) Homologation inspector: Andrey Arsenyev
(7) Name of course: 1,7 km
(8) Description of course:

Course length:	1670 m	Height Difference (HD):	22 m	Lowest point:	81 m
Category	D	Maximum Climb (MC):	24 m	Highest point	103 m
Competition Level:	COC	Total Climb (TC):	43 m		



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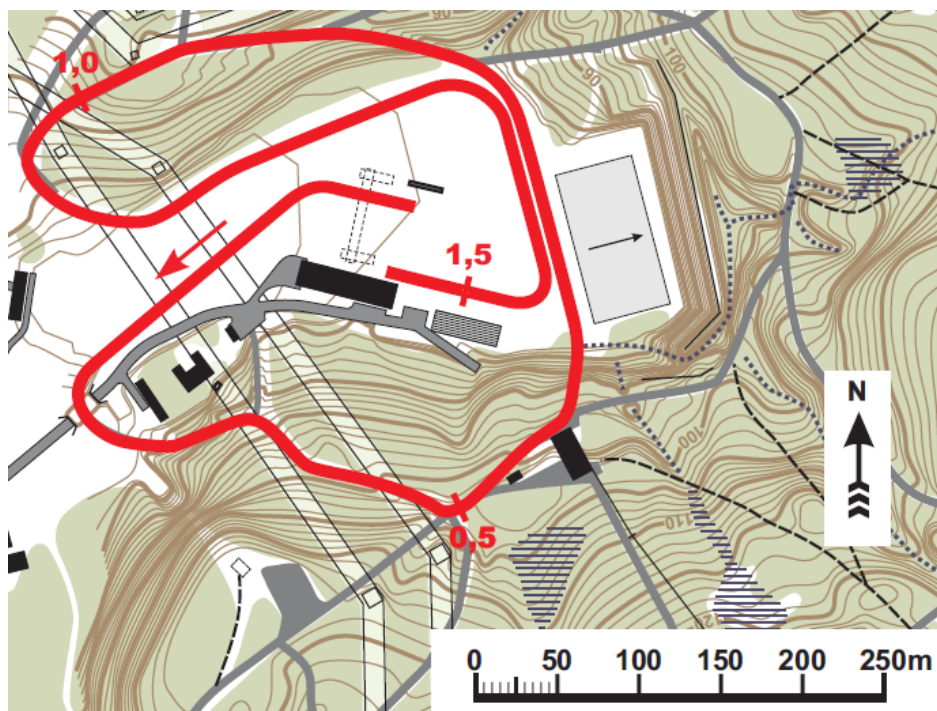
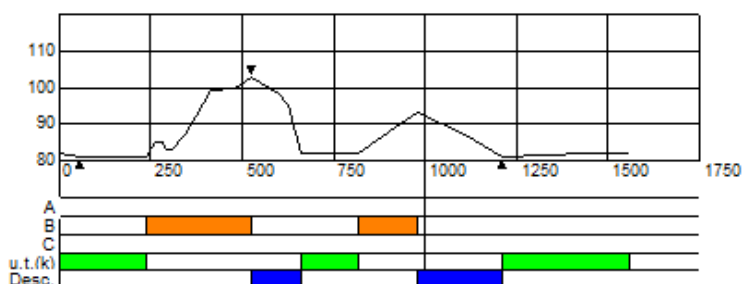
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- (1) Registration Number: 17/44.03/1.6
(2) Location of the competition site: Dolina Uyuta, Murmansk
(3) Organizer: The Russian Cross Country Ski Federation
(4) National Ski Association: Russian Ski Association
(5) Contact person in the organizing committee: Andrey Arsenyev
(6) Homologation inspector: Andrey Arsenyev
(7) Name of course: 1,6 km
(8) Description of course:

Course length:	1558 m	Height Difference (HD):	22 m	Lowest point:	81 m
Category	D	Maximum Climb (MC):	24 m	Highest point	103 m
Competition Level:	COC	Total Climb (TC):	36 m		



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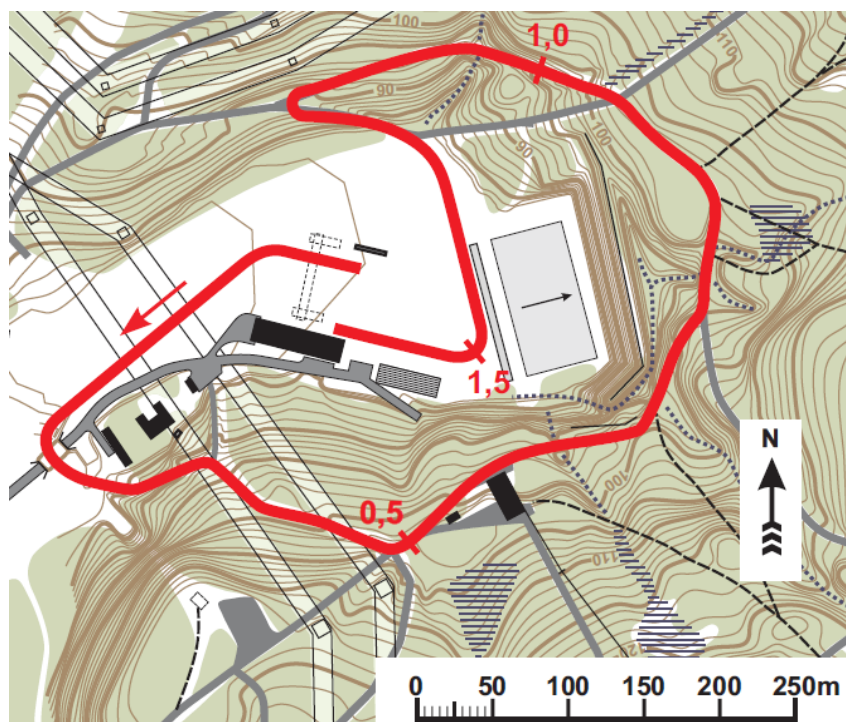
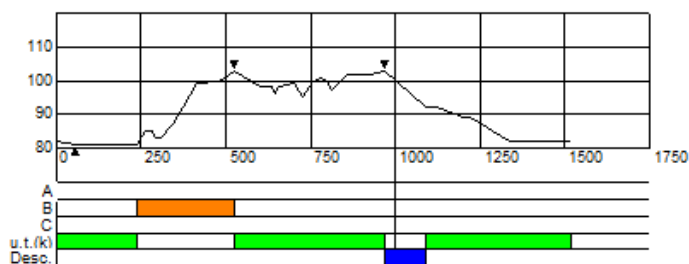
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- (1) Registration Number: 17/44.02/1.5
(2) Location of the competition site: Dolina Uyuta, Murmansk
(3) Organizer: The Russian Cross Country Ski Federation
(4) National Ski Association: Russian Ski Association
(5) Contact person in the organizing committee: Andrey Arsenyev
(6) Homologation inspector: Andrey Arsenyev
(7) Name of course: 1,5 km
(8) Description of course:

Course length:	1517 m	Height Difference (HD):	22 m	Lowest point:	81 m
Category	D	Maximum Climb (MC):	24 m	Highest point	103 m
Competition Level:	COC	Total Climb (TC):	39 m		



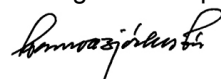
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