

# Waterski Homologation - 24CZE002.hom - Waterski Dossier

16. 6. 2024 - 13:02:11

International Waterski and Wakeboard Federation  
2024 Edition Homologation Dossier - Waterski

Competition name: Moravia Cup  
Competition Code: 24CZE002  
Date: 2024-06-15 2024-06-16  
Site Name: Oleksovice  
Site Code: CZEOLEKS  
Organising Country: CZE - Czech Rep.  
Type of competition: International  
Were cash prizes or merchandise awarded (Yes/No): ( No )

Homologator's and Chief Judge recommendation to Waterski Council  
(Fill in R-Record, L-Standing List)

Event	Round 1	Round 2	Round 3	Round 4
Slalom	( L )	( L )	( L )	( )
Tricks	( L )	( L )	( L )	( )
Jump	( L )	( L )	( )	( )

## HOMOLOGATOR'S CHECKLIST

If checked and all according to rules put OK.

If checked and any variation to the rules put an X and explain in "Remarks" section.

Not applicable is NA or leave blank for events not sanctioned.

## BOAT CHECKLIST

- Boats and equipment (Rule 5) (OK)
- Speed Control (Rule 5) (OK)  
Manufacturer: ( Zero Off)  
Software Version: ( E1886400R)
- JUMP Power Factor Default (Titled Event only): ( )

## SLALOM CHECKLIST

- Slalom Course Type: ( Single anchor buoys)  
(single anchor/cross line/four-line floating/centreline frame/other)
- Slalom course Survey attach (8.17, 25.02): Survey date: (2024-06-14)
- Slalom buoy diameter/height checked (8.07, 25.02) (OK)
- All buoys are clearly visible (8.07, 25.02) (OK)
- Boat guides visually checked for straightness (25.02) (OK)  
Average Width - Centerline to B1 - B11: (1,166 )  
Average Width - Centerline to B2 - B12: (1,164 )
- Gate Camera position and height (8.13/8.19) (OK)
- Gate Video Camera View and Recording (8.13, 25.06) (OK)
- Position and height of slalom tower (8.06, 8.13) (OK)
- Slalom Shore Official Configuration (8.13):
  - 4 judges- 2 on each side (44 deg.) (8.19) ( )
  - 2 judges on one side (gate) + 1 judge on the other side ( )
  - 2 judges, 1 on each side with gate video ( )
  - 2 central towers with live boat video (OK)
  - 2 central towers without live boat video ( )
- Measure/Inspect tourn supplied slalom lines/handles (5.09) (OK)
- Arrangement for checking of skier supplied slalom handles (5.11) (OK)
- Speed control mapped (5.03, 5.04, 5.07) (OK)
- Boat Path Monitoring System Used (25.08): ( Sure-Path)  
(Sure-Path/SplashEye/other 25.08)
- RTK-GPS Boat Path Measurement Verified w/Self Check: (OK)  
Record from BPMS (25.02):
  - Width - Centerline Axis to G1/G2: ( 1,27 )
  - Width - Centerline Axis to G3/G4: ( 1,25 )
  - Average Width (S1, S3, S5) to Centerline: (11,48 )
  - Average Width (S2, S4, S6) to Centerline: (11,48 )
- If video base BPMS used, system verified (25.06, 25.08) (NA)
- Boat camera and video recording (Class R) minimum (OK)

704x480 pixels @ minimum 25fps (PAL) 30fps (NTSC)

17. If BPMS not used, EC Video Data forwarded to federation or confederation ( )  
Filename (25.02): ( )

#### TRICKS CHECKLIST

1. Trick course checked (9.01/9.24) (OK)
2. Arrangement for checking rope release (9.13) (OK)
3. Additional weight available (9.14) (OK)
4. Trick Officials  
- 5 Judges (9.12) ( )  
- 3 Judges (9.12) (OK)
5. Video Tricks Timing system manufacturer ( ) SplashEye  
(SplashEye/Video Stop Watch/Loreto/Bottcher/Corson/other)
6. Video Trick Timing System verified (25.03) (OK)
7. Video Trick initial review speed : (100%)
8. Video Trick second review speed : (100%)

#### JUMP CHECKLIST

1. Jump Course Type: ( ) Single anchor buoys  
(single anchor/cross line/two-line floating/centreline frame/other)
2. Jump course Survey attached. (10.16, 25.04): Survey date: (2024-06-14)
3. Jump buoy diameter/height per rule (8.07, 25.04) (OK)
4. All buoys are clearly visible (8.07, 25.04) (OK)
5. Boat guides visually checked for straightness (25.04) (OK)
6. Measure/Inspect competition supplied line/handles (5.09) (OK)
7. Arrangement for checking skier's supplied line/handles (5.11, 25.04) (OK)
8. Manufacturer of Video Jump Measurement System (25.07): ( ) SplashEye  
(SplashEye/Video Tape Measurement/Loreto/Boettcher/Corson)
9. Video Jump Measurement System - verify setup and homologation level (25.04) (OK)
10. Speed Control mapped (5.03, 5.04, 5.07) (OK)
11. Boat Path Monitoring System Used (25.08): ( ) Sure-Path  
(Sure-Path/SplashEye/other)
12. RTK-GPS Boat Path Measurement Verified w/Self Check: (OK)  
Record from BPMS (25.04):  
Width - 15ST to 19ST (4m +/-10cm) ( 3,97 )  
Width - 15MT to 19MT (4m +/-10cm) ( 4,08 )  
Width - 15ET to 19ET (4m +/-10cm) ( 4,08 )  
Width - Ramp Centerline to X Axis (15m+/-15cm) (14,95 )
13. If Video Base BPMS used, system verified (25.06, 25.08) (NA)
14. If BPMS not used, EC Video or BPMS Data forwarded to Confederation (NA)  
Filename : ( )

#### JUMP SETUP

##### JUMP RAMP SURFACE MEASUREMENT

1. Ramp width at top and bottom is between 3.7m and 4.3m: (OK)  
Width (10.02): Top (m): ( 4,25 ) Bottom(m): ( 4,25 )
2. Ramp markings are clearly identified (6.50m & 7.00m) (10.02): (OK)  
Top edge to 6.50m line: Left Side(m) ( 6,5 ) Right Side(m) ( 6,5 )  
Top edge to 7.00m line: Left Side(m) ( 7 ) Right Side(m) ( 7 )
3. Length underwater (minimum 50cm) (10.02c) (m): ( 0,8 )
4. Ramp surface deviation verified (10.02) (OK)  
Maximum Deviation from plane (10.02f) (cm) (2,5 )  
Maximum Deviation Point from top edge (10.02f) (m): ( 3 )
5. Minimum side curtain depth under water with ramp set at 1.80M is 20cm (10.02): (OK)
6. Apron Angle (Min 28 deg / Max 60 deg): (OK)  
Measured at Ramp Height(m): ( 1,63 )  
Length of apron edge from top corner to water(m): ( 2,19 )  
Ratio of Length/height (min 0.5, max 0.0883): (0,744 )
7. Ramp surface inspected (25.04) (OK)
8. Ramp secure anchoring (25.04) (OK)
9. Ramp ratio verified and recorded (10.02) (OK)

#### RAMP SETTING

Right Side

Left Side

Setting	Height	Length	Ratio	Height	Length	Ratio
1.80	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X
1.65	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X
1.50	1,63	7	0,2329	1,63	7	0,2329
1.35	1,5	7	0,214	1,5	7	0,214

END OF HOMOLOGATION FORM

It is important to leave the above section in the exact format as it will be processed automatically.  
The following section is where free form comments are added, and attachments are made.

HOMOLOGATOR'S REMARKS - Must provide any variations (examples below):

- Rules:OK no remarks
- Course alterations:Rules 10.16 no PG buoys in Jump course due to agreement with the Chief Judge
- Malfunction of equipment:No malfunctions of equipment
- BPMS:Sure Path for Jump and Slalom
- Boat/Speed Control: Zero Off for all disciplines
- Other:

Homologator:

Name:Milos Kusy  
Siladicka 439/9  
90028 Zalesie  
Slovakia  
E-mail: zk@nextra.sk

Chief Judge:

Name:Pavol Kucharovic  
Teplicka 27  
92101 Piestany  
Slovakia  
E-mail: pavolkucharovic@gmail.com

Scorer:

Name: Binder Iva  
Vinohrady 224  
Rebešovice  
Czech republic  
E-mail: binderi@seznam.cz

This homologation record must be uploaded to IWWF

**CHIEF JUDGE and OFFICIALS REPORT**

Chief Judge and panel Officials to subscribe:

"I certify compliance with all IWWF and E&A Rules governing the competition.  
I am satisfied with the conduct of the event."

Position	Official name	Country	Qual.	License/ld	Slalom	Tricks	Jump	Signature
Chief Judge	Pavol KUCCHAROVIC	SVK	J2	E&A	Yes	Yes	Yes	
Homologator	Milos KUSY	SVK	H1	E&A	Yes	Yes	Yes	
Calculator	Iva BINDER	CZE	S1	E&A	Yes	Yes	Yes	
Judges	Zdenek NECAS	CZE	J2	E&A	Yes	Yes	Yes	
	Hana LEDVINOVA	CZE	J2	E&A	Yes	Yes	Yes	
	Zdenek KOLMAN	CZE	J1	E&A	Yes	Yes	Yes	
Chief Driver	Adam KLIMA	CZE	D2	E&A	Yes	Yes	Yes	
Drivers	Linda POLIDOROVA	CZE	D3	E&A	Yes	Yes	Yes	

# Waterski Homologation - 24CZE002.hom - Waterski Slalom Course

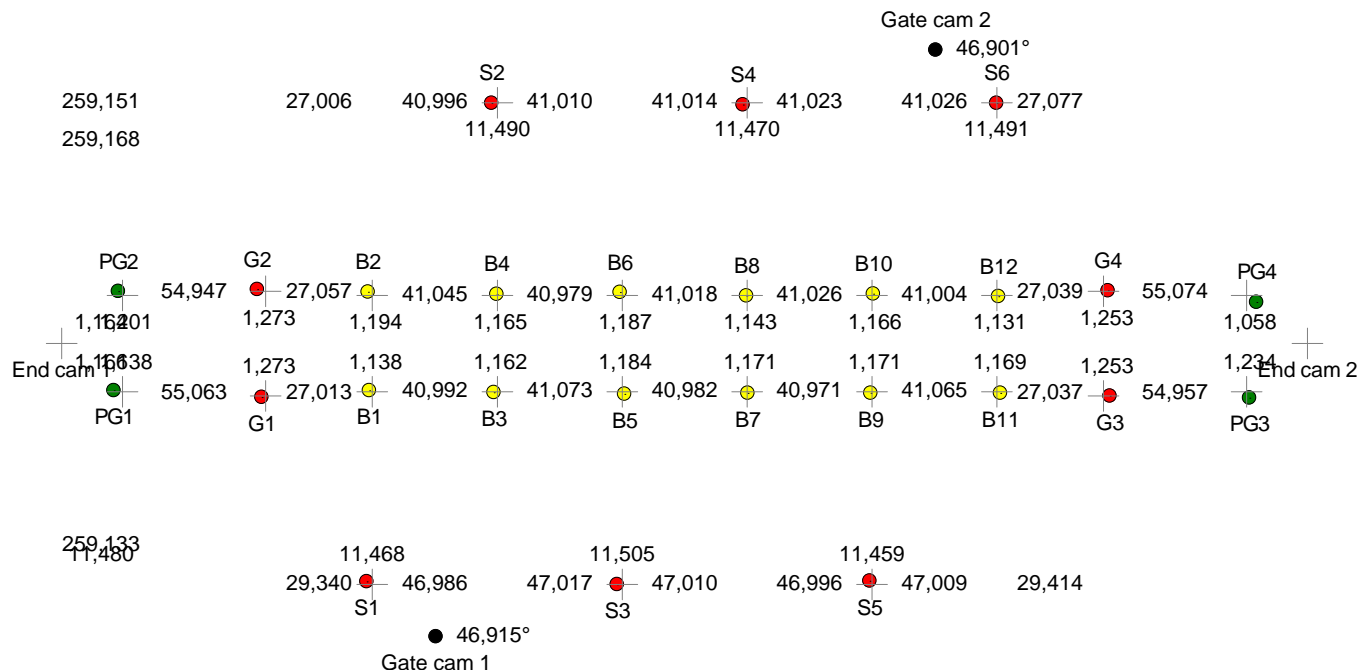
16. 6. 2024 - 13:02:12

Survey date & time 14. 6. 2024 17:30:00  
 Homologation level Ranking List & record  
 Homologation mode GPS coordinates  
 Angle unit Decimal degrees  
 X-Axis: MG1G2-MG3G4

	Latitude	Longitude	Asignatura (m)
Station 1			
Station 2			
Station 3			
G1	48,911311560	16,259895270	212,0000
G2	48,911327430	16,259870240	212,0000
G3	48,912952300	16,262405360	212,0000
G4	48,912968140	16,262381050	212,0000
S1	48,911417250	16,260254510	212,0000
S2	48,911823390	16,260431120	212,0000
S3	48,911936210	16,261049260	212,0000
S4	48,912342570	16,261225890	212,0000
S5	48,912455890	16,261843530	212,0000
S6	48,912862170	16,262020520	212,0000
B1	48,911483440	16,260155650	212,0000
B2	48,911498230	16,260133090	212,0000
B3	48,911742820	16,260552960	212,0000
B4	48,911757910	16,260530980	212,0000
B5	48,912002720	16,260951060	212,0000
B6	48,912017500	16,260927730	212,0000
B7	48,912262270	16,261347930	212,0000
B8	48,912276910	16,261325510	212,0000
B9	48,912521660	16,261744840	212,0000
B10	48,912536800	16,261722720	212,0000
B11	48,912781660	16,262142640	212,0000
B12	48,912796180	16,262120280	212,0000
PG1	48,910963800	16,259360590	212,0000
PG2	48,910979090	16,259338660	212,0000
PG3	48,913300350	16,262937580	212,0000
PG4	48,913315570	16,262916450	212,0000
Gate cam 1	48,911300300	16,260655750	212,0000
Gate cam 2	48,912974800	16,261802450	212,0000
End cam 1			
End cam 2			

68 / 68	Mesures
Lengthes	
Axe - Axe	259,151
G1 - G3	259,133
G2 - G4	259,168
Lengthes	
Axe - S1	27,006
S1 - S2	40,996
S2 - S3	41,010
S3 - S4	41,014
S4 - S5	41,023
S5 - S6	41,026
S6 - Axe	27,077
Lengthes	
PG1 - G1	55,063
PG2 - G2	54,947
G1 - B1	27,013
G2 - B2	27,057
B1 - B3	40,992
B2 - B4	41,045
B3 - B5	41,073
B4 - B6	40,979
B5 - B7	40,982
B6 - B8	41,018
B7 - B9	40,971
B8 - B10	41,026
B9 - B11	41,065
B10 - B12	41,004
B11 - G3	27,037
B12 - G4	27,039
G3 - PG3	54,957
G4 - PG4	55,074
Diagonals	
G1 - G4	259,120
G2 - G3	259,206
Axe - S1	29,340
S1 - S2	46,986
S2 - S3	47,017
S3 - S4	47,010
S4 - S5	46,996
S5 - S6	47,009

S6 - Axe	29,414
Widths	
Axe - G1	1,273
Axe - G2	1,273
Axe - G3	1,253
Axe - G4	1,253
Axe - S1	11,468
Axe - S2	11,490
Axe - S3	11,505
Axe - S4	11,470
Axe - S5	11,459
Axe - S6	11,491
Average S1 - S6	11,480
Axe - B1	1,138
Axe - B2	1,194
Axe - B3	1,162
Axe - B4	1,165
Axe - B5	1,184
Axe - B6	1,187
Axe - B7	1,171
Axe - B8	1,143
Axe - B9	1,171
Axe - B10	1,166
Axe - B11	1,169
Axe - B12	1,131
Average B1 - B11	1,166
Average B2 - B12	1,164
Axe - PG1	1,138
Axe - PG2	1,201
Axe - PG3	1,234
Axe - PG4	1,058
Gate camera angles	
Axe - Gate cam 1	46,915°
Axe - Gate cam 2	46,901°
Gate cam. positions	Distance
Axe - Gate cam 1	56,704m
Axe - Gate cam 2	43,334m
End course cameras	
Axe - End cam 1	
Axe - End cam 2	



# Waterski Homologation - 24CZE002.hom - Waterski Jump Course

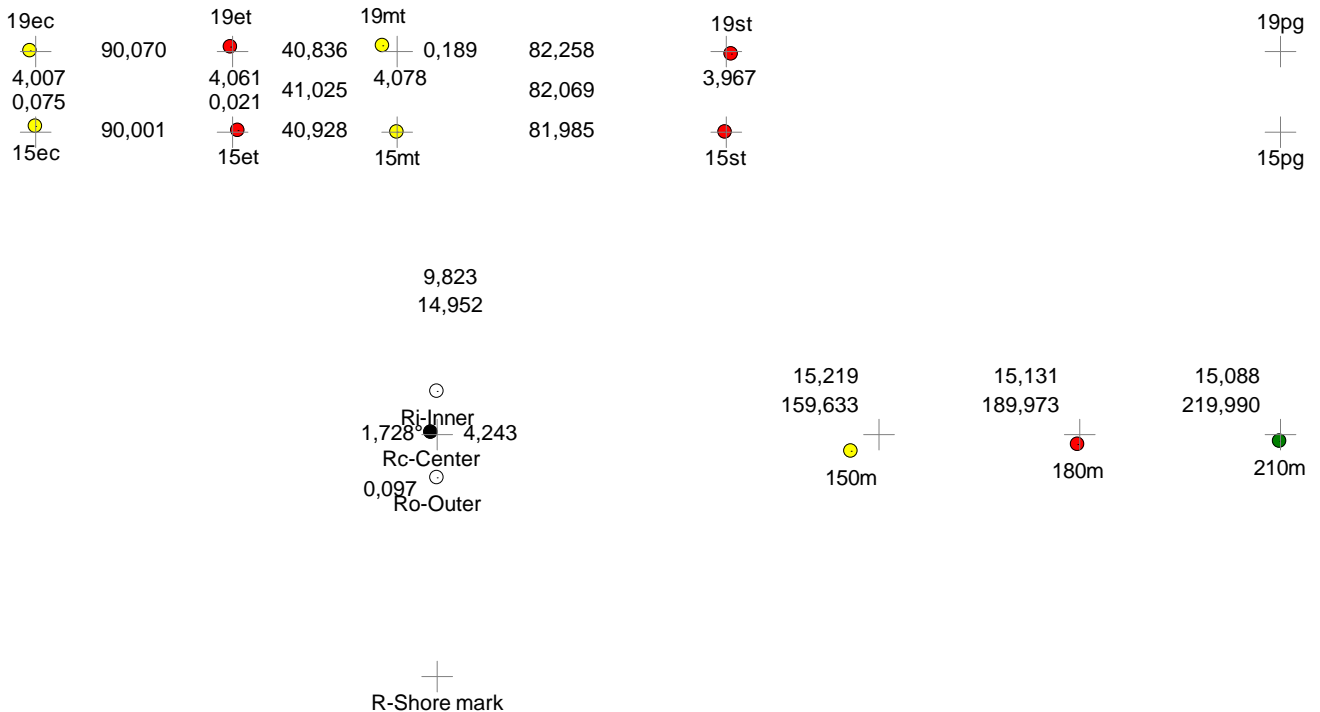
16. 6. 2024 - 13:02:13

Survey date & time 15. 6. 2024 20:40:00  
 Homologation level Ranking List & record  
 Homologation mode GPS coordinates  
 Angle unit Decimal degrees  
 X-Axis: 15st-15mt

	Latitude	Longitude	Asignatura (m)
Station 1			
Station 2			
Station 3			
15pg			
19pg			
210m	48,911039790	16,257185330	212,0000
180m	48,911186630	16,257528900	212,0000
150m	48,911335390	16,257875850	212,0000
15st	48,911599480	16,258878150	212,0000
19st	48,911569110	16,258906570	212,0000
15mt	48,911999660	16,259817460	212,0000
19mt	48,911969790	16,259849820	212,0000
15et	48,912199270	16,260286540	212,0000
19et	48,912169240	16,260317560	212,0000
15ec	48,912438390	16,260849180	212,0000
19ec	48,912409030	16,260879090	212,0000
Ro-Outer	48,912080330	16,259577760	212,0000
Ri-Inner	48,912048930	16,259610630	212,0000
Rc-Center	48,912064290	16,259592970	212,0000
R-Shore mark			

27 / 27	Mesures
Lengthes	
210m - Y-Axis	219,990
180m - Y-Axis	189,973
150m - Y-Axis	159,633
15pg - Y-Axis	
19pg - Y-Axis	
15st - Y-Axis	81,985
19st - Y-Axis	82,069
15et - Y-Axis	40,928
19et - Y-Axis	41,025
15ec - Y-Axis	90,001
19ec - Y-Axis	90,070
19st - 19mt	82,258
19mt - 19et	40,836
19mt - Y-Axis	0,189
Ramp - Y-Axis	9,823
Widths	
210m - X-Axis	15,088

180m - X-Axis	15,131
150m - X-Axis	15,219
15pg - X-Axis	
15et - X-Axis	0,021
15ec - X-Axis	0,075
19pg - X-Axis	
19st - X-Axis	3,967
19mt - X-Axis	4,078
19et - X-Axis	4,061
19ec - X-Axis	4,007
Average 19st - 19et	4,035
Ramp - X-Axis	14,952
Distances	
Ro-Outer - Ri-Inner	4,243
Ramp - Rc-Center	0,097
Ramp angle	
Ro-Outer - Ri-Inner	1,728°
Ramp - R-Shore mark	



# Waterski Homologation - 24CZE002.hom - Video Jump Buoys

16. 6. 2024 - 13:02:13

Survey date & time 15. 6. 2024 20:40:00

Homologation mode GPS coordinates  
 Angle unit Decimal degrees  
 X-Axis: 15st-15mt

	Latitude	Longitude	Asignatura (m)
Station 1			
Station 2			
Station 3			
Vi1	48,912038460	16,259778470	212,0000
Vi2	48,912171590	16,260081580	212,0000
Vi3	48,912294660	16,260370510	212,0000
Vi4			
Vi5			
Vi6			
Vi7			
Vi8			
Vo1	48,912182390	16,259634070	212,0000
Vo2	48,912310490	16,259931100	212,0000
Vo3	48,912442290	16,260224150	212,0000
Vo4			
Vo5			
Vo6			
Vo7			
Vo8			
Cam1			
Cam2			
Cam3			
Ro-Outer	48,912080330	16,259577760	212,0000
Ri-Inner	48,912048930	16,259610630	212,0000
Rc-Center	48,912064290	16,259592970	212,0000
15st	48,911599480	16,258878150	212,0000
15mt	48,911999660	16,259817460	212,0000
15et	48,912199270	16,260286540	212,0000
20m			
30m	48,912268460	16,259860830	212,0000
40m			
50m	48,912360530	16,260108270	212,0000
60m			
70m			
80m			

2 / 2	Dist ramp	Ramp - Vo6	
Coordinates		Ramp - Vo7	
Ramp	0,000	Ramp - Vo8	
Ramp - Ro-Outer	2,121	Ramp - 20m	
Ramp - Ri-Inner	2,121	Ramp - 30m	29,931
Ramp - Vi1	13,818	Ramp - 40m	
Ramp - Vi2	37,655	Ramp - 50m	50,029
Ramp - Vi3	62,392	Ramp - 60m	
Ramp - Vi4		Ramp - 70m	
Ramp - Vi5		Ramp - 80m	
Ramp - Vi6		Ramp - Cam1	
Ramp - Vi7		Ramp - Cam2	
Ramp - Vi8		Ramp - Cam3	
Ramp - Vo1	13,419	Distances	
Ramp - Vo2	36,844	Ramp - Rc-Center	0,097
Ramp - Vo3	62,421	Ro-Outer - Ri-Inner	4,243
Ramp - Vo4		Ramp - 15mt	17,890
Ramp - Vo5		Ramp - 15et	52,914

