



Minutes of the IWWF World Waterski Council 16th October 2023 Held in the Hampton Hotel, Clermont, Florida

Present

Candido Moz	CM	WWSC Chair
Dana Garcia	DG	Pan Am WSC President
Larry Gisler	LG	Pan Am Delegate
Robert Ritter	RR	Pan Am Delegate
Bruce Coburn	BC	AAO WSC President
Glen Williams	GW	AAO Delegate
Nigel Talamo	NT	AAO Delegate
Gavin Kelly	GK	E&A Delegate
Dimos Alexopoulos	DA	E&A Delegate
Ryan Dodd	RD	Athletes Representative
Martin Kolman	MK	Athletes Representative

Apologies

Jacinta Carrol	Athletes Representative
Sergio Font	Pan Am Delegate
Geoffrey Kee	AAO Delegate

Invited

Jose Antonio Perez Priego	JA	IWWF President
Will Bush	WB	Technical Committee
David Grey	DG	WWS
Tom Grey	TG	WWS
Paul Fong	PF	IWWF Director

CM welcomed everyone to the meeting.

1. Skiers competing in different age division in the same Tournaments.

The scoring system used in the USA cannot cope with this situation. Can be resolved by having separate competitions, eg Age Cat and Open. DG will see if a solution can be found by changing the scoring system.

2. New Slalom Handle proposal

Proposal put forward to approve a new T shaped handle design that would help avoid injuries to skiers. Potential problem with the design is safety for Drivers. Technical Committee was asked to review the handle design and assess suitability for future adoption. Needs a physical review and test to assess viability.

3. Jose Antonio Perez Priego, IWWF President joined the meeting

He thanked the Council members for all their work. He spoke about the decision to move the 2024 35+ World Championships from Greece. The signed 35+ LAO included site improvements due to be undertaken by July 2023. Unfortunately, this had not been completed. Also, internal changes in the Greek Federation had affected the situation.

Consequently, the EB had decided to move event, as there is no possibility of recovering the situation in Greece. An alternative site who had previously bid for the event had been contacted and a response was expected in a few days.

Plans have been developed to generate more income for Officials travel expenses so that we can provide the strongest panels possible. Up to WWC to determine the formula for distributing the available funds. We need to encourage new Officials going forward and improved levels of travel expenses would help with this.

CM has described how the money currently raised from the skier entry Fee is split.

As prescribed in the LOA, 30 US\$ are added to the skier Entry Fee, for the purpose of helping the travel expenses of the Officials and has so far been divided proportionally to the expenses incurred by each individual.

JA explained about the development of a mobile webcast system that Organisers could use in the future.

4. Tom Grey and David Grey - WWS joined the meeting.

DG had met with JA and Peter Frei to discuss mutual opportunities.

Tom explained the work WWS has done over eight years to develop a one stop solution to provide clubs, federations, and skiers with software solutions. Including new scoring software. JA said that the IWWF were establishing an IT panel to help develop solutions going forward. He said that the IWWF want to develop the best solutions going forward and have an open mind on this and how addons could be integrated with EMS.

The waterski scoring software is one of this addons, that could be integrated in the EMS.

CM suggested that WWS make a presentation of the scoring software to present to the WWC via a future zoom meeting. DG asked that someone from the WWC be appointed to work with them.

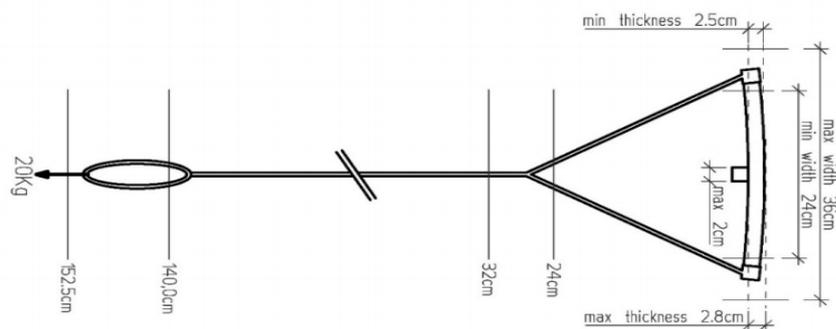
CM thanked DG and TG for their input.

5. Tow Lines & Skier Supplied Handle in Slalom and Jump

WB presented the following revisions to rule 5.09d and 5.11 as proposed by the Technical Committee.

5.09: Tow Lines

- d) The competition supplied handle shall be made of 2.50cm to 2.80cm. outside diameter **non-slip surface or coating** material. There shall be no sharp edges or projections. **Handle ends must have protective caps.** The attaching ropes must in all cases go through the handle and must be attached so there is no possibility of movement between the rope and handle when in use. The minimum certified breaking load of the handle shall be 408kg applied at the rate of 290kg for a minute at two load points 9cm apart at the centre of the handle with the ends supported at the rope holes. The handle shall be attached to the rope so that it is perpendicular to the direction of the line. The handle measurement is the end-to-end length of the handle and must conform to the dimensions shown in the diagram below. **The handle must be similar in design and construction to the picture below.**



5.11: Skier Supplied Handle in Slalom and Jump

For Slalom and Jump each competitor may furnish his own handle. **The skier supplied handle must conform to Rule 5.09 other than the outside diameter. For a skier supplied handle, there is no minimum or maximum outside diameter. The skier shall notify** the Jetty Marshall, at least three skiers before his turn, of his wish to change handles. It's the skier's responsibility that the handle is in tolerance **before and remains within tolerance** after skiing. **The handle must comply with all rules and safety requirements.**

Change unanimously approved.

6. Tricks

The Trick Working Group had been formed and has had a first meeting. CM had asked for a report, but it hasn't materialised in time for the meeting. Agreed to give the group some clearer direction on expected outcomes. There was a discussion about giving Judges additional guidance on for example, Pre-turns, perhaps with example videos. Suggested to give the Working Group some specific Tricks and Issues to work on. MK will take this back to the Working Group.

The Trick Working Group is also asked to consider points, considering degrees of difficulty. There was a recognised issue that the current points allocation system did not recognise the true difference in levels of difficulty.

6a. People in the Boat for Tricks

Following an issue earlier in the year and after a detailed discussion on the origin of the rule the Council proposed to allow two or three people in the boat for Tricks at the discretion of the CJ before the event starts and the same conditions must be the same throughout the competition, rule 9.01 need to be revised has been revised as follow:

9.01: General Trick Event Rules

For the boat, see (5.01), for the tow lines see (5.10), for the tolerances see (6.02). **There may be 2 or 3 people in the boat for tricks at the discretion of the CJ before the event starts and the same conditions must remain throughout the Competition.**

The eyeTrick judging technology and method is approved for use in all classes of Competitions subject to the modifications to rules: 9.12, 9.15, 9.18 and 9.20.

Change unanimously approved.

6b. New Tricks

The following new tricks has been submitted for approval:

BFLSLB – Video was reviewed. Points awarded – 850

BFLSLO – Video was reviewed. Points awarded – 900

FFLF – rFFLF – Video was reviewed. Points awarded for reverse trick – 850

FFLSL5F – Video was reviewed. Points awarded – 950

WAKE TURNS				2 SKIS		1 SKI	
CODE		DESCRIPTION	NO.	BAS	REV	BAS	REV
DBFL		Wake Double Flip	51	1000	-	1000	-
BFL/WFLIPB		Backward Somersault	52	500	500	500	500
BFLB		Wake Flip Half Twist B-F	53	-	-	550	550
BFLF	180	Wake Flip Half Twist B-F	54	-	-	750	750
BFLBB		Wake Flip Full Twist B-B	55	-	-	800	800
BFLO	360	Wake Flip Full Twist F-F	56	-	-	800	800
BFL5B*		Wake Flip Twist with 540 F-B	57	-	-	900	900
BFL5F*	540	Wake Flip Twist with 540 B-F	58	-	-	850	850
FFL/WFLIPF		Forward Somersault	59	800	800	800	800
FFLB		Forward Somersault with 180 F-B	60	-	-	850	850
FFLF	180	Forward Somersault with 180 B-F	61	-	-	850	-
FFLBB	360	Forward Somersault with 360 B-B	62	-	-	900	-
FFL5F	540	Forward Somersault with 540 B-F	63	-	-	950	-
BFLLB	180	Wake Flip Twist Line Back	64	-	-	800	800
BFLSLB		Wake Flip Ski Line with 180 F-B	65	-	-	850	-

BFLSLBB	360	Wake Flip Ski Line with 360 B-B	66	-	-	900	-
BFLSLO		Wake Flip Ski Line with 360 F-F	67	-	-	900	-
BFLSL5F	540	Wake Flip Ski Line with 540 B-F	68	-	-	950	
FFLSL5F		Forward Somersault Ski Line with 540 B-F	69	-	-	950	-

A maximum of 6 flips will be scored for each skier in his turn. Flips are numbers 51-69.

6c. Trick Course

Rule 9.02: Trick Course and Passes

Two buoys approximately 230 metres apart shall establish the approximate area of the beginning of the trick pass from each direction (see 9.24). The boat shall pass either side of the entry buoy at the choice of the skier. **Where it is not feasible for a boat to pass on either side, the Homologator, with the agreement of the Chief Judge, may designate that the boat path will be on one side only and shall document such in the Homologation Dossier. The boat should follow a straight path parallel to the Trick Course.** The end of the pass shall be signified by the 20-second time interval only. Each skier shall be allowed two passes through the trick course during which time he may perform as many tricks as he desires.

Change unanimously approved.

7. Jump

During the season there has been a lot of discussion regarding the Boat path in Jump. CM has asked WB to create a small working group and present their suggestion to the WSC.

WB request that while the rule should be added to the Rulebook for the coming year data is collected but tolerances not applied. End course monitoring should however continue as before. Some elements of the rule need to be completed and the data collected would be used to do this. The Cut, Flight and Cumulative sectors were clarified.

RD explained how the boat needed adjustments to avoid being pulled towards the ramp during the cut phase and to avoid a continuous sideways pull during flight phase. WB showed the Surepath display screen. A proposal to alter the Jump course by 1m to redefine Split and +1, +2 and +3 was discussed as a possible future consideration. Distances that ultimately will determine the application of this rule will be reviewed following a year of data collection. BPMS is required but also End Course Monitoring is recommended as well. It was asked whether SplashEye Drive was configured for Jump Boat Path Measurement. CM to discuss with Donal Connolly.

10.11: Boat Path

The skier shall tell the boat driver the path and speed to pass the ramp. The boat shall follow a path through the jump course at the specified distance from the right-hand side of the ramp within the prescribed boat path tolerances. The boat path should have minimal deviation toward the jump ramp while the skier is cutting to and through the jump ramp.

Path Definition

“SPLIT” is the default and defined as middle line between the 15 metre and the 19 metre timing buoys (17 metre line).

- Split = Default
- Split +/- 1 = Split +/- 0.3 metre or 1 foot
- Split +/- 2 = Split +/- 0.6 metre or 2 feet
- Split +/- 3 = Split +/- 0.9 metre or 3 feet

Skier options are “Split” with +1, +2, +3 for wide or -1, -2, -3 for narrow.

Boat Path Measurement System

A Boat Path Measurement System, (BPMS) is required for all Record Capability(R), and Rankings Lists(L) events. All jump passes shall be monitored for PATH, CUT, FLIGHT and CUMULATIVE deviation.

Data will be collected via WaterSkiConnect during the 2024 ski year. Deviation tolerances and re-ride situations will be established for the 2025 ski year for distance equal to or greater than:

- Record Capability(R), Rankings Lists(L), and Pro events.
50 metres and greater distances.
- Titled Events (World or Confederation)
40 metre and greater distances.

BPMS may be RTK-GPS or Video based. The use of RTK-GPS systems is preferred and strongly recommended. The BPMS will be installed and calibrated according to the homologation guidelines under the responsibility of the Homologator.

The Chief Judge will assign a Judge or Driver to monitor the BPMS.

Skier requested Path.

The skier requested boat path shall be measured when the pylon is at NT, (52m from ST) point where the jumper is in a glide ready to turn and cut to the ramp. If the measured deviation is greater than 40cm from the requested boat path, an optional re-ride shall be awarded.

Example: The skier requested path is “SPLIT”. The measurement at NT is more than +/- 40cm, an optional re-ride shall be awarded.

Cut

The CUT Deviation is measured at the pylon when the boat is between 15/19 NT (52m) and 15/19 MT. The CUT calculation is the difference between the values at NT and MT. NT being the point where the jumper is in a glide ready to turn and cut to the ramp. MT being the point where the skier approximately leaves the ramp.

Example: NT is -5cm and MT is +25cm, the difference is a +30cm swing. A positive number would indicate the boat moved away from the ramp. A negative number would indicate that the boat moved towards the ramp during the skiers cut. It is also used to calculate the Cumulative Deviation.

If the CUT Deviation is NEGATIVE (towards the ramp) and is greater than XX cm:

(Deviation Values to be Determined Later)

If the CUT Deviation is POSITIVE (away from the ramp) and is greater than XX cm:

(Deviation Values to be Determined Later)

Flight

The FLIGHT Deviation is the maximum deviation measured at the pylon when the boat is 15/19 MT (82m) and 15/19 ET. The FLIGHT calculation is the difference between the boat position values at MT and ET. MT being the point where the jumper approximately comes off the top of the ramp and begins lift. ET being the point 51 metres down course from the ramp. The calculation is the value at ET minus the value at MT.

Example: MT is +30cm and ET is +50cm, the difference is a 20cm swing.

If the FLIGHT Deviation is NEGATIVE (towards the ramp) and is greater than XX cm:

(Deviation Values to be Determined Later)

If the FLIGHT Deviation is POSITIVE (away from the ramp) and is greater than XX cm:

(Deviation Values to be Determined Later)

Cumulative Deviation

The CUMULATIVE Deviation is the sum of the CUT And FLIGHT Deviations.

If the CUMULATIVE Deviation is NEGATIVE greater than XX cm:

(Deviation Values to be Determined Later)

If the CUMULATIVE Deviation is POSITIVE greater than XX cm:

(Deviation Values to be Determined Later)

BPMS failure

If during a competition event, a required BPMS fails, end course video (monitored in the Judges' tower) may be used until such time as BPMS is re-established. The Homologator shall note in the Homologation Dossier the event(s) when failure occurred.

Exception: BPMS Not Available – Use of End Course Video

Where use of BPMS is not feasible, the Chief Judge may alternatively, with the concurrence of the Chief Homologator, use End Course Video for monitoring boat path. A Judge or Driver shall be assigned to monitor all jump passes using end-course video and award re-rides for requested boat path. The end course official and the Chief Judge (or the Chief Judge's designee) must agree on any determination. With this situation, the homologation level will be Ranking List(L). The Homologator shall note in the Homologation Dossier the reason(s) that BPMS was not utilised. Where BPMS is not available, end course video shall be uploaded to the respective Confederation for viewing.

End Course Video Requirements

When end course video is used, at a minimum, video shall be recorded for all jumps 50m and greater. See Rule 25 – Homologation Guidelines for video set up and required towboat visible markings.

In instances of potential world records, it is recommended that a standalone end course camera be used as a backup.

Path Review – BPMS / End Course Video

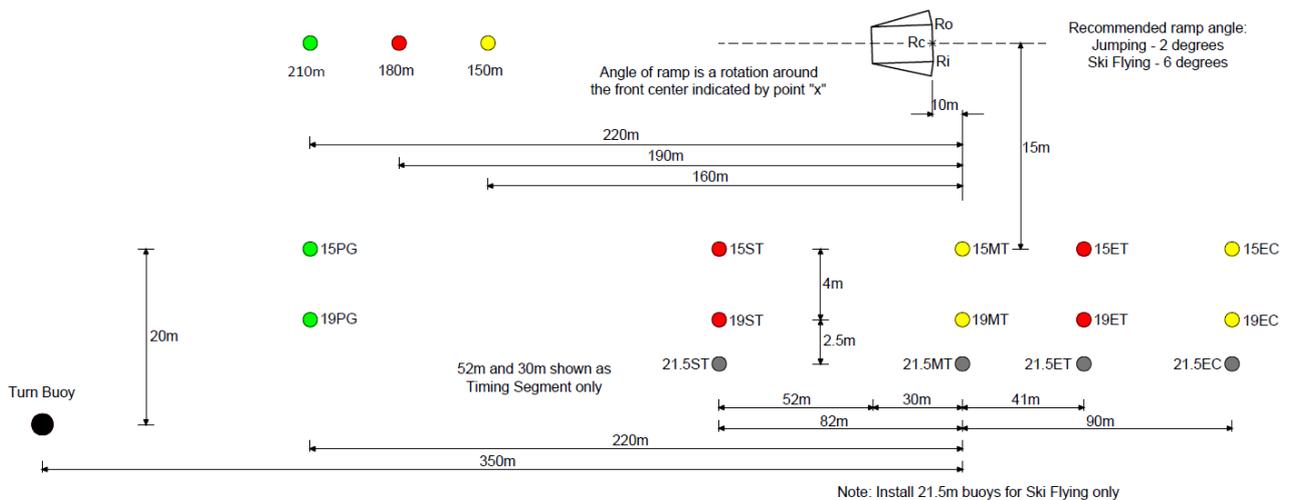
All passes are subject to review for compliance to rules [\(1.09\)](#) [\(9.01\)](#) and this rule including boat path cumulative deviation. Any passes that do not conform may result in the associated score being modified or removed from the IWWF standings lists.

Change unanimously approved.

7a. Official Jump course

The Tech Committee has presented the following document recommended some small changes to tolerances, if the request will be accepted also the Jump course diagram need to be update.

10.16: Official Jump Course



The ramp must be parallel to the jump course and slightly open.

The tolerance for standard jumping is between $+1.00^\circ$ and $+2.50^\circ$ open.

The tolerance for ski flying is between $+5.00^\circ$ and $+7.00^\circ$ open.

Open means that the low end of the ramp is turned toward the jump course. The basis of the jump course is the 15ST - 15MT line.

Any marker buoys used for video distance measurement or spectator reference buoys must be a minimum of 8m from the ramp centreline for safety purposes so that they will not interfere with the skier while landing.

JUMP COURSE DIMENSIONS AND TOLERANCES

Buoy	Colour	Length from "Y Axis"	Tolerance	Length from "X Axis"	Tolerance
15PG	Green or Yellow	220m	$\pm 30m$	0m	$\pm 10cm^*$
19PG	Green or Yellow	220m	$\pm 30m$	4m	$\pm 10cm^*$
210m	Green	220m	$\pm 2m$	15m	$\pm 0.5m$
180m	Red	190m	$\pm 2m$	15m	$\pm 0.5m$
150m	Yellow	160m	$\pm 2m$	15m	$\pm 0.5m$
15ST	Red	82m	$\pm 40cm$	0m	NA
19ST	Red	82m	$\pm 40cm$	4m	$\pm 10cm^*$
15MT	Yellow	0m	N/A	0m	N/A
19MT	Yellow	0m	$\pm 20cm$	4m	$\pm 10cm^*$
15ET	Red	41m	$\pm 20cm$	0m	$\pm 10cm^*$
19ET	Red	41m	$\pm 20cm$	4m	$\pm 10cm^*$
15EC	Yellow	90m	$\pm 5 / - 10m$	0m	$\pm 10cm^*$
19EC	Yellow	90m	$\pm 5 / - 10m$	4m	$\pm 10cm^*$
Ramp "Rc"		10m	$\pm 20cm$	15m	$\pm 15cm$

The "X Axis" is a straight line passing through the 15ST and 15MT buoys. All width dimensions are from the "X axis". The "Y Axis" is a perpendicular line to the Course "X Axis" passing through the 15MT buoy (0,0). All length dimensions are from the "Y Axis".

* It is recommended that all course buoys to be within $\pm 5 cm$ vs $\pm 10 cm$ to ensure course is visually straight per recommendation in rule 25.04

Pre-Gate boat guide buoys are required unless the Chief Judge with the concurrence of the Chief Homologator determine that pre-gate buoys are not feasible, in which case, the Homologator shall note such in the homologation dossier. Placement of the Pre-Gate Buoys should take into consideration and not interfere with the skier's counter cut.

An optional turn buoy is recommended at approximately 350m from the "Y Axis" and 20m from the "X Axis".

The document has been discussed and approved as amended above. Due to this decision also rule 25 will be revised, see item 15.

~~Rule 10.17: Optional Course Turn/Guide Buoys deleted.~~

8. Records

Record Certificates. CM and Bob Corson have been working on it and Certificates can now be printed by any Athlete from the iwsf.com website.

Pending records.

Open Women Slalom, Regina Jaquess, [5@10.25/55](#) - All relevant data reviewed including boat path and record approved. There had been some on-line comments about the boat path, based on the boat video showing some boat wash that appeared not to be straight. However, all the boat path data had been checked and was good. The video showed wash, which did not represent the true path of the boat and position of the pylon.



Regina
1025_55_10.25_2309

Men's Overall, Joel Poland. – Data still being reviewed.

The Council discussed the Tricks Record review process Agreed to review the Judges on the Record Review Panels and in future it was agreed to use a 60% majority decision to give credit or no credit.

23.12: Record Review Process

b) Tricks.

- Tricks Call - A set of Judges will be appointed to review and call the video as defined below:
 - * If the original panel was 3 Judges, the convened panel will be 8 more Judges, as illustrated in the table below. These 8 convened Judges calls will be combined with the 3 competition Judges calls to give 11 sheets. Each trick must have **7** Judges give it credit to pass.
 - * If the original panel was 5 Judges, the convened panel will be 16 more Judges, as illustrated in the below table. These 16 convened Judges calls will be combined with the 5 competition judges calls to give 21 sheets. Each trick must have **13** Judges give it credit to pass.

9. Ranking List (EMS: Daily, weekly, retroactive score, Under-12 Age division)

In future the Ranking List will be integrated into EMS Request from EMS Developer about which RL should be incorporated. System can update daily.

Question of scores submitted late. Agreed that a cutoff of 30 days should be applied for the Daily Rankings List. Asked, if possible, for EMS to generate an email reminder to Scorer and Chief Judge after several days, that a file has not been uploaded.

The Council discussed the cutoff date for the yearly RL but agreed to keep this under review and not make any changes now. To be discussed at a later meeting.

RL should be generated by EMS from 1st January 2024 and initially will be run in parallel with existing system.

Suggested to have an U12 RL but currently there are different shortening speeds and jump max speeds in different regions. Council asked to consider for a future discussion.

10. Driver Committee Report

WB said that the Drivers Portal is up and running in a beta form. Aim is to provide access to Drivers to view their own boat path data. Confederation Drivers Committee will also be given access. There is a contract with SurePath for the data.

11. Driver Survey Working Group Report

The group had one zoom meeting, but it was too late to develop a proposal in time for October WSC meeting. It was agreed that some input from skiers along with Surepath Data and general knowledge about the drivers should all be considered when appointing Drivers for World Titled Events.

It was proposed that a ranking of the top three or four Drivers from those who are listed for the next Worlds, be made by Skiers but to achieve this the nominated Drivers need to be known early in advance, however the final selection of Drivers will continue to be done by the WSC taking account of all the data.

12. Definition of Officials Classification

WB explained that some changes were required in EMS to ensure harmonisation of Drivers levels across the World. There was a general discussion about harmonisation of other Officials around the world. There was some concern that true harmonisation has not been achieved as in the USA they have J1's, one, two or three events. Agreed that this was acceptable but needed to be applied across the world. For all Officials selection for World Titled Events must be from Level 1 (3 Events) or Level 2(3 Events) by exception. The Harmonisation Chart was reviewed and updated.

3.06: Harmonisation of Officials Grades

In 2017 the WSC adopted a worldwide unified naming system for Officials' qualifications.

This is needed because at present naming protocols vary from Confederation to Confederation therefore it can be very difficult to establish the homologation level of the competition. This is especially important at multi-national events where officials are drawn from different Confederations. With a common naming strategy, the Homologator would then be able to easily know if the requirements for officials has been met for the homologation level being applied. Only International Officials, sanctioned by their Confederations would be affected.

The World Waterski Council recommends that Confederation Waterski Councils consider adopting the following officials' naming protocol. In any case, please refer to the comparative table below:

There will be 3 levels of Officials:

Level 1 (top Grade: E&A Judge, Pan Am Judge etc.....).

Level 2 (Senior etc.....)

Level 3 (National, Regional etc.....)

In addition, there will be:

Level 2* grade and Level 3* grade.

Level 2* and Level 3* are the equivalent of Level 2 or Level 3 but these officials are qualified in 1 or 2 events.

Level 1 Judges will be subject to periodic re-evaluation and or testing by peers in order to retain their qualifications. The test will be prepared and taken under World Waterski Council supervision. If they do not 'pass' re-evaluation, they are automatically downgraded to Level 2.

As there is generally only one Scorer and one Homologator at a competition, standards need to be stringent. Homologators at "CP", Pro and Titled Events must be Level 1. Scorers must be Level 1 at Titled Events and minimum Level 2 at "CP" and Pro events.

Example for Judges

Level 1 = ——— Can officiate at Record Capability, Rankings List, World and Confederation Events.

Level 2 = ——— Can Officiate at "R", "L", Confederation Events, and World Events by exception.

Level 3 = ——— Can officiate at Rankings List competitions.

H2* = — Permitted to work at "L" events or "R" (only tricks) in their own country only. Not qualified for "R" slalom and Jump competitions or for Cash Prize or Titled events. No need to speak English.

Note: This Rule is a work in progress document, any updated will be posted on <http://www.iwsf.com/>

Harmonization of Officials Grades Chart

3.06: Harmonisation of Officials Grades

The World Waterski Council recommends that Confederation and National Federation adopt the following officials' naming protocol.

There will be 4 levels of Officials:

a) Level 1 (D1, J1, H1, S1)

- Requires Confederation Testing Approval
- Can Chief or be an appointed official at World Titled, Confederation Titled, Record “R” and Rankings “L” Events.

(Currently - E&A Judge, Pan Am Judge, etc.)

Level 1 Judges will be subject to periodic re-evaluation and or testing by peers in order to retain their qualifications. The test will be prepared and taken under Confederation supervision. If they do not 'pass' re-evaluation, they are automatically downgraded to Level 2.

b) Level 2 (D2, J2, H2, S2)

- Requires Confederation Testing Approval.
- Can Chief or Officiate at Confederation Titled, Record “R”, Rankings “L” events.
- Can officiate at World Titles Events by exception.

(Currently - Senior USA, E&A Level 2, Aus/NZ Level 2, etc.)

c) Level 3 (D3, J3, H3, S3)

- Requires National Federation Testing/Approval.
- Can only officiate at Rankings “L” competitions.

(Currently - Regular USA, E&A Level 3, Aus/NZ Level 3, etc)

Limitation of L3 Officials to “L” events: Please refer to rule 25.09.

d) Level 4 (D4, J4, S4)

- Requires National Federation Testing/Approval.
- Can only officiate at National competitions.
- Assistant /Entry Level officials

(Currently – Assistant USA, Aus/NZ Level 4, Canada, etc)

Note:

- 1) Single event and Two event officials are recognized at all levels.
- 2) Officials appointed for World Titled and Confederation Titled Events must be qualified in all 3 events.

25.09: Minimum Competition Standards

The level of Officials as shown below refers to the level of Officials who can officiate each individual event.

	World Record	Ranking List
Prior Announcement	YES *1	YES
Confederation Approved Panel	YES	YES
Number of Rounds	4	4
Conflict of Interest Rules	Refer to (3.04)	Refer to (3.04)
Chief Judge	“J1” or “J2”	“J1” or “J2”
Homologator	“H1” or “H2”	“H1” or “H2”
Scorer	“S1” or “S2”	“S1” or “S2”
Driver	“D1” or “D2”	“D1”, “D2” or D3
Duplication of duty	Any combination of two of the following positions may be held without conflict: Chief Judge/Driver/Scorer/Homologator/Judge (Refer to *3)	

SLALOM

Course Check	Refer to rule 25.01, 25.02 and 25.05	Refer to rule 25.01, 25.02 and 25.05
Slalom Course	No single centre line floating courses except of approved design *2	no single centre line floating courses except of approved design *2
Tolerances	Per Rule Book	Per Rule Book
Buoys	Measured	Measured
Timing	Automatic	Automatic
BPMS/End Course Video	Required - Refer to rule 8.15	Required - Refer to rule 8.15

Video method	Refer to rule 25.06	Refer to rule 25.06
Boat Video	Refer to rule 8.13	Refer to rule 8.13
Gate Video	Refer to rule 8.06 , 8.13 and 8.19	Refer to rule 8.06 , 8.13 and 8.19
Judging Towers	Refer to rule 8.06 , 8.13 and 8.19	Refer to rule 8.06 , 8.13 and 8.19
Judges	5 Judges "J2" or higher ; or 3 Judges "J2" or higher	5 Judges : minimum 3 "J2" and 2 "J3" 3 Judges : minimum 2 "J2" and 1 "J3"

TRICKS

Course Check	Refer to rule 25.01 and 25.03	Refer to rule 25.01 and 25.03
Tolerances	Per Rule Book	Per Rule Book
Timing	Video Timing	Video Timing
Video	Refer to rule 9.18 and 25.06	Refer to rule 9.18 and 25.06
Judges	5 Judges "J2" or higher or if immediate review available: 3 Judges "J2" or higher See Rule 10.12	5 Judges : minimum 3 "J2" and 2 "J3" or if immediate review available: 3 Judges : minimum 2 "J2" and 1 "J3" See Rule 10.12
Timer	Minimum 1 "J2" or higher and 1 "J3" Refer to rule 9.15	Minimum 1 "J2" or higher and 1 "J3" Refer to rule 9.15

JUMP

Course Check	Refer to rule 25.01 , 25.04 and 25.05	Refer to rule 25.01 , 25.04 and 25.05
Tolerances	Per Rule Book	Per Rule Book
Timing	Automatic	Automatic
BPMS/End Course Video	Required - Refer to rule 10.11	Required - Refer to rule 10.11
Video Jump Measurement	Required – Refer to rule 10.13, 25.04, 25.07	Required – Refer to rule 10.13, 25.04, 25.07
Distance Calculation	Computer – Refer to rule 25.07	Computer – Refer to rule 25.07
Distance Program Check Homologation Level Verified	Yes - Refer to rule 25.04, 25.07	Yes - Refer to rule 25.04, 25.07
Judges	3 Judges "J2" or higher	3 Judges : minimum 2 "J2" and 1 "J3"
Video Judges	2 Judges "J2" or higher ; or 1 "J2" or higher and 1 "H2" or higher Refer also to rule 10.12	2 Judges "J2" or higher ; or 1 "J2" or higher and 1 "H2" or higher Refer also to rule 10.12
Speed Control	Required	Required
Homologation Dossier	IWWF Electronic Dossier Required	IWWF Electronic Dossier Required

*1 To obtain R homologation a competition must be sanctioned ~~15~~ **30** days in advance. Competitions will be shown as "Record Capability" on the EMS. All data needs to be completed including the proposed Officials panel. If not the maximum level of homologation granted to that event will be L.

*2 For a single centre line course to be used, the buoy support structure must be rigid. The buoy support structure is independent of the cable but attached to it. The structure must guarantee that the line of the three buoys is perpendicular to the wire. The centre cable must be taut to ensure a straight line. Please refer to additional material detailing this design in rule [25.11](#).

*3 Duplication of duties: (Chief Judge, Scorer, Homologator and Driver)

Chief Judge may also be a panel Judge or, if qualified, be the Homologator.

Homologator, if qualified, may also be a panel Judge or the Scorer.

Scorer, if qualified, may also be a panel Judge or the Homologator.

Driver: A driver cannot have 2 roles in the same event, (cannot be at the same time: Driver and Judge, Driver and Scorer or Driver and Homologator), but can have, if qualified, different roles in different events.

Where the duplication causes a conflict, the final decision will be taken by a simple majority of the event Judges.

Any duplication of duties is limited to two functions but should be avoided if possible.

13. Worldwide Exams.

CM has submitted a list of questions for the Homologators exam. Will said that this was still to be done. A harmonised Drivers exam has been developed. Will to send to Candido.

There was a detailed discussion about Judges exams and Candido showed the Europe on-line Trick Writing Exam. There was some concern about the methodology used by some Council members. CM will provide the Tricks exam to a number of Council members for testing.

14. eyeTrick

The need at some point to recognise a qualified eyeTrick Judge who has never learnt to Judge in the traditional way was discussed.

15. Rule 25

The following changes has been submitted by the Tech Committee

All changes has been unanimously approved by the WSC.

25.02.b Slalom RTK-GPS

b) Slalom RTK-GPS

- 1) RTK-GPS System- See technical specification (25.08).
- 2) Setup and/or Verification of RTK-GPS system by the Homologator or their designee shall take place - before the competition starts - per the manufacturer's recommendations and these guidelines.
- 3) The Homologator must establish or verify an existing boat path course centerline. To establish a new course centerline, plot the entry and exit gates (G1, G2, G3, G4) and plot S1 through S6. To verify an existing boat path course centerline, use the Buoy Check feature to verify G1 and G3 buoys. Note: This does not meet the requirements of the Full Survey as identified in 25.02(a).
- 4) The system will perform a Boat Path Course Centerline self-validation and provide the following as a minimum:
 - Width – Centerline Axis to G1/G2:
 - Width – Centerline Axis to G3/G4:
 - Width – Centerline Axis to S1:
 - Width – Centerline Axis to S6:
 - Average Width – S1, S3, S5:
 - Average Width – S2, S4, S6:
 - Average Width – S1, S2, S3, S4, S5, S6:
- 5) The Homologator and driver shall verify the centreline by driving through the course on the right-hand side, in each direction, and verify that the display deviations in each direction are similar.
- 6) During the competition, the Homologator may need to re-validate as necessary depending on conditions.
- 7) For RTK-GPS, the GPS antenna must be attached to the pylon but may be offset from the pylon based on the manufacturer's recommendations.
- 8) The Homologator or designee will measure any antenna offset and validate that it is correctly entered in the system. The RTK-GPS Settings can only be changed under the direct supervision of the Homologator or designee.
- 9) The RTK-GPS Survey data for BPMS must be included in the homologation dossier.

25.04: Jump Homologation Guidelines:

a) Jump Survey

- 1) Survey methodology and equipment – See technical specification (25.05).
- 2) A jump course must be surveyed (full survey) within 10 days of the event and validated by the Homologator within 3 days of the event. It is the responsibility of the Homologator to ensure that the buoys have not moved prior to the event. If there is any doubt, the Homologator should make another full survey.
- 3) The Course X Axis is a straight line that runs through the 15ST buoy and the 15MT buoy.

- 4) The Course Y Axis is a perpendicular line to the Course X Axis passing through the 15MT buoy (0,0).
- 5) The boat path centerline is a parallel line 2 meters from course X Axis (17 meters from the ramp).
- 6) The 15ET buoy and 15EC buoy must be within +/- 4cm of Course X Axis (15ST-15MT) and must visually be straight.
- 7) The 19ST, 19MT, 19ET and 19EC are parallel to the Course X Axis, must be visually straight and should have a width of 4m +/- 5cm to appear visually straight.
- 8) In instances where the jump course and the slalom course are integrated, it is suggested they are parallel.
- 9) Reference 10.16 for Jump Course Tolerances.

b) Jump RTK-GPS

- 1) RTK-GPS System- See technical specification (25.08).
- 2) Setup and/or Verification of RTK-GPS system by the Homologator or their designee shall take place - before the competition starts - per the manufacturer's recommendations and these guidelines.
- 3) The Homologator must establish or verify an existing boat path course centerline. To establish a new course centerline, plot the 15ST, 15MT, 19MT, 15ET, 19ST, 19ET buoys and Ramp CL. To verify an existing boat path course centerline, use the Buoy Check feature to verify and check the 15ST and 15ET buoys. Note: This does not meet the requirements of the Full Survey as identified in 25.04 (a).
- 4) The boat path centerline is 2 meters parallel to course X Axis (15ST-15MT).
- 5) The system will perform a Boat Path Course Centerline self-validation and provide the following as a minimum:
 - Width – 15ST to 19ST
 - Width – 15MT to 19MT
 - Width – 15ET to 19ET
 - Width – Ramp Centerline to X Axis
- 6) The Homologator and driver shall verify the boat path centreline by driving through the course split +2 and a split -2 and verify that the displayed deviations are correct.
- 7) During the competition, the Homologator may need to re-validate as necessary depending on conditions.
- 8) For RTK-GPS, the GPS antenna must be attached to the pylon but may be offset from the pylon based on the manufacturer's recommendations.
- 9) The Homologator or designee will measure any antenna offset and validate that it is correctly entered in the system. The RTK-GPS Settings can only be changed under the direct supervision of the Homologator or designee.
- 10) The RTK-GPS Survey data for BPMS must be included in the homologation dossier.

25.10: Homologation Dossier (2024)

International Waterski and Wakeboard Federation Homologation Dossier: [Homologation Dossier](#)

HOMOLOGATION DOSSIER

Competition name: _____ Competition Code: _____

Date: _____ Site Name: _____ Site Code: _____

Organising Country: _____ Type of competition: _____
(_____)

Were cash prizes or merchandise awarded (Yes/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	()	()	()	()
Tricks	()	()	()	()
Jump	()	()	()	()

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

1. Boats and equipment (Rule 5)
2. Speed Control (Rule 5)
Manufacturer: _____
Software Version: _____
Slalom
Tricks
Jump

SLALOM CHECKLIST

1. Slalom Course Type:
(single anchor/cross line/four-line floating/centreline frame/other) _____
2. Slalom course Survey attach (8.17, 25.02): Survey date: _____
3. Slalom buoy diameter/height checked (8.07, 25.02)
4. All buoys are clearly visible (8.07, 25.02)
5. **Boat guides visually straight: Record average width (25.02)**
Average Width - Centerline to B1 - B11: _____
Average Width - Centerline to B2 - B12: _____
6. Gate Camera position and height (8.13/8.19)
7. Gate Video Camera View and Recording (8.13, 25.06)
8. Position and height of slalom tower (8.06, 8.13)
9. 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 tower w live boat video
2 central towers without live boat video
10. Measure/Inspect tourn supplied slalom lines/handles (5.09)
11. Arrangement for checking of skier supplied slalom handles (5.11)
12. Speed control mapped (5.03, 5.04, 5.07)
13. Boat Path Monitoring System Used: _____
(Sure-Path/SplashEye/other 25.08)
14. **RTK-GPS Boat Path Measurement Verified w/Self Check:**
Record from BPMS (25.02):
Width – Centerline Axis to G1/G2: _____
Width – Centerline Axis to G3/G4: _____
Average Width (S1, S3, S5) to Centerline: _____
Average Width (S2, S4, S6) to Centerline: _____
15. If video base BPMS used, system verified (25.06, 25.08)
16. Boat camera and video recording (Class R) minimum
704x480 pixels @ minimum 25fps (PAL) 30fps (NTSC)
17. If BPMS not used, EC Video forward to Confederation
Filename: _____

TRICKS CHECKLIST

1. Trick course checked (9.01/9.24)
2. Arrangement for checking rope release (9.13)
3. Additional weight available (9.14)
4. Trick Officials
5 Judges (9.12)
3 Judges (9.12)
5. Video Tricks Timing system manufacturer _____
(SplashEye/Video Stop Watch/Loreto/Bottcher/Corson/other)
6. Video Trick Timing System verified (25.03)
7. **Video Trick Initial View – Speed:** 80% or 100%
8. **Video Trick Second Review – Speed:** 80% or 100%

JUMP CHECKLIST

1. Jump Course type:
(single anchor/cross line/two-line floating/centreline frame/other) (_____)
2. Jump course Survey and within tolerance (10.16, 25.04) ()
3. Jump buoy diameter/height per rule (8.07, 25.04) ()
4. All buoys are clearly visible (8.07, 25.04) ()
5. Boat guides visually checked for straightness (25.04) ()
6. Ramp ratio verified and recorded (below) (10.02) ()
7. Ramp markings are clearly identified (6.50m & 7.00m) (10.02) ()
8. Ramp surface deviation verified and recorded (below) (10.02) ()
9. Ramp width at top and bottom is between 3.7m and 4.3m (10.02) ()
10. Ramp as minimum 50cm under water (10.02) ()
11. Minimum side curtain depth with ramp set at 1.80M depth
under water is 20cm (10.02) ()
12. Side Curtain Specification; Minimum angle 28deg and
Max 60 deg (10.02) ()
13. Ramp surface inspected (25.04) ()
14. Ramp inspected to ensure secured (25.04) ()
15. Measure/Inspect competition supplied line/handles (5.09) ()
16. Arrangement for checking skier's supplied line/handles (5.11, 25.04) ()
17. Manufacturer of Video Jump Measurement System (25.07) (_____)
(SplashEye/Video Tape Measurement/Loreto/Boettcher/Corson)
18. Video Jump Measurement System – verify setup and
homologation level (25.04) ()
19. Speed Control mapped (5.03, 5.04, 5.07) ()
20. Boat Path Monitoring System:
(Sure-Path/SplashEye/other) (25.08) (_____)
21. RTK-GPS Boat Path Measurement Verified w/Self Check: ()
Record from BPMS (25.04):
 - Width – 15ST to 19ST (4m +/-10cm) _____
 - Width – 15MT to 19MT (4m +/-10cm) _____
 - Width – 15ET to 19ET (4m +/-10cm) _____
 - Width – Ramp Centerline to X Axis (15m+/-15cm) _____
22. If Video Base BPMS used, system verified (25.06, 25.08) ()
23. If BPMS not used, EC Video forward to Confederation ()
Filename: (_____)

RAMP SETUP

24. Ramp width at top and bottom is between 3.7m and 4.3m: ()
Width (10.02): Top (m): _____ Bottom(m): _____
25. Ramp markings are clearly identified (6.50m & 7.00m) (10.02): ()
Top edge to 6.50m line: Left Side(m) _____ Right Side(m) _____
Top edge to 7.00m line: Left Side(m) _____ Right Side(m) _____
26. Length underwater from 7.00m line (10.02c) (m): _____
27. Ramp surface deviation verified (10.02)
Maximum Deviation from plane (10.02f) (cm) _____
Maximum Deviation Point from top edge (10.02f) (m): _____
28. Minimum side curtain depth under water with ramp set at 1.80M
is 20cm (10.02): ()
29. Apron Angle (Min 28 deg / Max 60 deg): ()
Measured at Ramp Height(m): _____
Length of apron edge from top corner to water(m): _____
Ratio of Length/height (min 0.5, max 0.0883): _____
30. Ramp surface inspected (25.04) ()

31. Ramp secure anchoring (25.04) ()
32. Ramp ratio verified and recorded (10.02) ()

RAMP SETTINGS

Setting	Right Side			Left Side		
	Height	Length	Ratio	Height	Length	Ratio
1.35	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X
1.50	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
1.80	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X

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:
- Course alterations:
- Malfunction of equipment:
- BPMS:
- Boat/Speed Control:
- Other:

16. PanAm Items submitted by DG

Approval for R Sanctions.

Change from 30 days to 15 days. – **Approved**

25.09: Minimum Competition Standards

*1 To obtain R homologation a competition must be sanctioned **15 30** days in advance. Competitions will be shown as “Record Capability” on the EMS. All data needs to be completed including the proposed Officials panel. If not the maximum level of homologation granted to that event will be L.

Over 35+ Age Divisions

Should we revert to Inclusive Divisions:

Some discussion about the complexity that the current approach creates. For further consideration.

Jump Segment Times – Expand the slow tolerance on 1st segment or remove it all together.

After some discussion it was agreed to review the situation which was caused by an inappropriate letter being used and remove the Re-ride Chart for below maximum division speed.

Jump Timing Re-ride Chart **at Maximum** Division speed

Seg. 1 (52m)	Seg. 1+2 (82m)	Seg. 3 (41m)	Action	Protected Score
OK	OK	OK	None	n/a
--	S	--	optional re-ride (protected score)	Yes
S	F	--	mandatory re-ride only if distance is best distance in skier turn - no increase in score allowed	No
OK/F	F		mandatory re-ride if distance is best distance in skiers turn	No
F	OK	S/OK	optional re-ride (protected score)	Yes
S	OK	OK/F	mandatory re-ride if distance is best distance in skiers turn - no increase in score allowed	No
S	OK	S	optional re-ride NO protected score	No
F	OK	F	optional re-ride NO protected score	No
OK	OK	F	mandatory re-ride if distance is best distance in skiers turn	No
OK	OK	S	optional re-ride (protected score)	Yes

The first row from the top that matches the situation is used.

Jump Timing Re-ride Chart **at below Maximum** Division speed

Seg1 (52m)	seg1+2 (82m)	Seg3 (41m)	Action
OK	OK	not F for max speed	None
one segment is F for max speed and no segment is S			mandatory re-ride if distance is best distance in skiers turn
one segment is F for max speed and at least one segment is S			mandatory re-ride if distance is best distance in skiers turn, otherwise optional with protected score
No segment is F for max speed and seg1 or seg2 is S or F for requested speed			optional re-ride (protected score)

In the case where multiple re-rides may apply due to fast third segment these shall be resolved taking the longest distance first.

Agreed

Jump Re-ride – remove the mandatory re-ride no increase in score allowed.

Agreed to keep under review for a year.

Per diem For Officials Suggested equitable split regardless of travel distance.

Cover by item 3 above.

Rule 14.12 Entry and Administration – Revised wording agreed by the Council.

Ramp heights – Agreed that at a World Event series 4+ Jumpers should be grouped by ramp height and series 1/2/3 by performance.

14.12: Entry and Administration

a) Establishment of seeding for the World Championships:

Seeding will be established using the Weekly Ranking List published 30 days before the start of the first event and the same dated list from the prior year where the skier rank is the higher of the current list or the previous year’s list with a 25% penalty. Where seeding ties exist when comparing the current and prior year list, the skier ranked from the current year will take the higher seed, **followed by the skier from the previous year. If a tie still exists, then skiers seeding will be subject to a random draw.**

For example: If the first day of competition skiing is Oct 12th the Weekly Ranking List published as of September 12th shall be used as well as the September 12th Weekly Ranking List of the prior year with a 25% penalty.

Examples:

Skier	30 days before Weekly Ranking List	1 year and 30 days before Weekly Ranking List	Entry Seed
A	10	4 (x1.25=5)	5
B	12	11 (x1.25=13.75)	12
C	25	8 (x1.25=10)	10

Skiers with no performances on those lists will be subject to a random draw in the lowest series unless he has at least two scores after the most recent ranking list. In that case the average of his two best scores will be used to position him in the seeding.

The number on the previous year Ranking List will be used with a 25% penalty.

1) Establishment of seeding for the top 5 overall men and women:

The top 5 overall men and the top 5 overall women attending the championships, **and obtained as above**, shall all ski in the same seed group in each event.

The appropriate seed group for each event will be determined by taking the seed group of the highest placed top 5 overall skier and placing all 5 in that same series in addition to the original group size.

2) Establishment of seeding for other individually qualified overall skiers who are not on the single event ranking list:

An overall skier may have an overall ranking, but not be on the event list. In this case the performance level will be used to pick the seed number. If it is from the previous year, the same 25% penalty shall apply. This will determine the seed group. That skier will be added to that seed group as the first skier on the water from that group.

3) Preliminary Round draw:

The skiers will then be divided into groups. The group size will normally be 10 men and 10 women but may be changed before the start of the championships by the Chief Judge. **For Jump, to determine the order of skiing, up to series 4 Rule 10.01 applies. For series 3, 2 and 1 skiers will remain in their seeding group and in within each series skiers jumping at a lower ramp height will ski before those jumping at a higher ramp height. (however see Rule 10.01 for jumping order).** It is recommended that Series 1 and 2 for women and Series 1, 2 and 3 for men be scheduled so that these skiers will have similar conditions.

The starting order for the preliminary round will be made using reverse order **of the combined seeding list achieved as described in rule 14.12 a). ranking list scores.**

b) Final round starting order

The order of the skiers qualified for the final round in any event shall be the reverse of their order of placement in the preliminary round of that event.

The order of competitors tied in placement shall be settled by random draw.

For Jump, while respecting the above, skiers jumping at low ramp height will ski before those jumping at the higher height.

The document has been discussed and approved as amended above.

Decrease the number of Judges to run an L event.

Some duties can already be doubled up but not considered that the absolute numbers should be reduced.

Officials Uniforms – Recommended Navy Blue or Black.

Agreed to change the rule to allow Navy Blue or Black.

3.03: Officials Uniforms

It is recommended that officials wear standard uniforms consisting of a white polo shirt and navy- blue **or black** shorts. If heavier clothing is required due to the weather, the same colour scheme shall be maintained of plain white top and navy-blue trousers.

Revert to Handle Check before Skier Skis.

Not agreed as current process generally works very well.

Reintroduce Boat Path Tolerances for Entry and Exit Gates

Not agreed.

Tie Break Rules

Add “**For preliminary round ties refer to 14.09**” in each event rule. This will link the two together and make it easier for Judges to find if needed.

8.12: Ties (add at the end)

For preliminary round ties refer to rule 14.09

9.21: Ties (add at the end)

For preliminary round ties refer to rule 14.09

10.14: Ties (add at the end)

For preliminary round ties refer to rule 14.09

AOB

GK proposed that for 70+ skiers who fail to get up on their first pass will be allowed a second attempt. The reality was that in the majority of cases the Driver took the blame, and the skier got a second chance. This could lead to protests and was unfair on the Driver. A proposal has also been raised to apply the same rule to the U-10 Division.

This change was approved.

Rule 7.05: U-10 and 70+ Skiers Start

U-10 and 70+ skiers who fail to get up on their first pull in any event will be allowed a second attempt. No third attempt will be allowed.

Series skiing order

DG said that there should be the possibility of changing the order that series ski in an event if considerations such as weather affect the event.

It was acknowledged that whilst not being well known this can already be done.

Driver driving several hours.

A discussion took place about scheduling whereby a driver is driving for seven hours.

Agreed that this should be avoided if possible.

The Council thanked Felipe Leal and his panel for their hard work during the World Championships.

CM expressed the Council's thanks to RD for his time as Athlete Representative as he was retiring and would be replaced by Valentina Gonzales.

On behalf of the Athletes RD thanked the Council members for the work that they do which he said was much appreciated by the athletes.

Meeting concluded at 6.25pm