

To the
- Members of the Sub-Committee for Officials,
Rules and Control Ski Jumping

For information to:
- Members of the Jumping Committee
- National Ski Associations
- Michel Vion
- Lasse Ottesen
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FEDERATION**

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**Meeting Minutes of the Subcommittee for Officials, Rules and Control Ski Jumping
Online Pre-meeting, April 4, 2024, at 18:00 CET
Stages Hotel, Prague (CZE), April 12, 2024, at 08:30 CET**

Dear Ski Friends,

We are pleased to send you the Minutes of the Meeting of the Subcommittee for Officials, Rules and Control Ski Jumping held on April 4, 2024, online and on April 12, 2024, in Prague.

You are respectfully requested to send any remarks to the FIS Nordic Office in Oberhofen, SUI, by **June 20, 2024**.

We would also like to take the opportunity to make you aware that the minutes are available in the Member Services section on the FIS Website: www.fis-ski.com.

Thank you very much for your valuable contributions. We wish you a pleasant spring.

Kindest regards,

Ivo Gréger
Chair Subcommittee for Officials, Rules and Control Ski Jumping

Enclosure: ment.

**INTERNATIONAL SKI AND SNOWBOARD FEDERATION
Subcommittee for Officials, Rules and Control Ski Jumping**

**Minutes Meeting Subcommittee for Officials, Rules and Control SJ
Online premeeting, April 4, 2024, at 18:00 CET
Stages Hotel, Prague (CZE), April 12, 2024, at 08:30 CET**

Agenda – Online Meeting

1. Opening Remarks
2. Roll Call of the Members
3. Appointment of a Secretary
4. Approval of the Agenda
5. Approval of the Minutes from the Previous Meeting
6. TD Reports – 2023/2024 Season
7. The Performance of the Juries, TDs/TDAs and Chiefs of Competition
8. Licenses for Video Distance Measuring Systems and Operators (Dr. Soren Muller)
 - Overview
 - The K-Jump System
9. ICR and Cup Rules: Changes and Adjustments
 - Applications from the National Ski Associations
 - SFWC, OWG, WSC, WC and WC Team Events and Equipment
 - COC, FIS Cup and Other International Competitions
10. E-Learning System (Ivo Greger)
11. Education and Coaching Program (ECP) for Chiefs of Competition (Hubert Mathis)
12. Further Education Seminars and Workshops

Agenda – Stages Hotel, Prague, CZE

13. Opening Remarks
14. Roll Call of the Members
15. The Performance of the Judges
 - General
 - Usage of the Virtual Judge System
 - WC Feedback
 - Proposal on New Deduction Guidelines for Landings
16. Virtual Judge
 - Potential Uses for Statistical Data (Erik Stahlhut)
17. Nominations for Events in 2024-2027
18. Fall 2024 Meeting
19. Requests and Proposals

All proposals and decisions of the Subcommittee are subject to the confirmation of the Jumping Committee on May 8, 2024, and the approval of the FIS Council on June 4, 2024.

1. Opening of the Meeting

Chairman, Ivo Gréger (CZE), opened the meeting on April 4, 2024, at 18:00 CET.

2. Roll Call of Members Present

NAT	Member	Remarks - April 4	Remarks - April 12
AUT	WINKLER Jürgen		
CAN	JOHANSSON Kelly	Represented by PETROV Nikolay	
CZE	GREGER Ivo	Chair	Chair
EST	TASANE Vahur		
FIN	HYVÄRINEN Jani		
FRA	DESSUM Nicolas	Excused	Rep. Etienne Gouy
GER	STALHUT Erik		
ITA	ROGGIA Andrea		
JPN	MINAMURA Yutaka		
KAZ	NASSYROV Nazym		
KOR	JUNG Lak-Kyu	Rep. By KIM Hyunki	Absent
NOR	ESPELID Kjersti		
POL	MALIK Faustyna		
ROU	SPULBER Florin	Absent	Absent
RUS	VASHURIN Evgeny	Not Allowed	Not Allowed
SLO	KOMOVEC Saso	Excused	Excused
SUI	MATHIS Hubert		
SVK	MESIK Martin	Absent	Rep. by CHUDY Peter
SWE	ÅREN Andreas	Represented by STUB-NYBELIUS Marit	
TUR	VANGOLU Yenal	Excused	Present
USA	ZUEHLKE Reed		

FIS Professionals and Experts

FIS	BACZKOWSKA Aga		Excused
GER	MÜLLER Sören		Excused
FIS	PERTILE Sandro		Excused
FIS	SCHOEDLER Berni		Excused

Guests

CHN	BING Liang		Excused
CZE	DAMJAN Jernej		
FRA	GAY Jerome		Excused
NOR	LARSEN Jorn		

3. Appointment of the Secretary

Reed Zuehlke (USA) was appointed as the secretary.

4. Approval of the Agenda

The agenda was unanimously approved as distributed.

5. Approval of the Minutes from the Previous Meeting

The minutes from the subcommittee meeting in Tallinn, EST on August 26, 2023, were unanimously approved as distributed.

6. TD Reports – 2023/2024 Season

Chairman Greger was pleased to share that almost all TD reports for the season were completed on time with the proper accompanying files and only a few administrative issues. He shared two incidents from the submitted reports for the awareness of all TDs.

Incident 1 – While an athlete was in the restroom during the WCJ-M in Lillehammer, NOR well intentioned volunteers in the tower moved his equipment to the athlete waiting area. When the athlete was unable to locate his equipment and therefore late to the start he was disqualified.

Incident 2 – The anemometers for the WCJ-W competition in Villach, AUT were installed 180 degrees from the proper orientation, so wind compensation was not calculated correctly for the competitors. The Jury and Competition Management agreed that the wind was mostly calm throughout the competition, so decided to keep the results as calculated since the mistake affected all athletes in the same manner.

Two new sets of statistics were added to the TD report this past season – measurements of the angle of inclination at HS, HS+5 and HS+10 as well as the measurements and material of the start bar. These measurements will continue to be gathered for at least the upcoming season.

The following list shows the number of TD/TDA reports submitted by competition type during the 2023-24 winter season:

Competition Series	TD	TDA
SFWC	1	1
JWSC	2	2
WC M	20	20
WC W	15	15
COC	13	13
iCOC	6	6
FIS Cup	6	6

7. The Performance of the Juries, TDs/TDAs and Chiefs of Competition

The chairman noted that overall, the performance of TDs, TDAs and Juries during the past season was at a high level and the coaches were satisfied with their work. However, several WC and Ski Flying TDs will be retiring over the next couple of years, and it will be important to ensure that strong TDs can be prepared to move up from the COC ranks. In addition, there is an ongoing project to recruit new TDs from the ranks of former athletes to find more strong candidates.

One important aspect to consider in the recruitment of new TDs is the FIS goal to achieve a gender balance. Candidates should possess the following skills – a strong Ski Jumping background, the ability to make difficult decisions, be a team player and be able to invest a significant amount of time in the sport. As a reminder, FIS Cup and Alpen Cup competitions are the training grounds for new TDs who need to take their practical exams.

Recruitment responses from the following nations have not been received yet: AUT, CZE, FIN, GER, POL, SUI.

Feedback from the coaches included some concern over the practice of many Juries to use low start gates for training. While Juries use training sessions to evaluate how different start gates and wind conditions will affect distance, it is a topic for Juries to consider.

Mr. Greger emphasized that the snow conditions experienced during this past winter seem to be more the rule than the exception and the changing climate is affecting both the quantity and quality of snow for ski jumping. If the trend continues, it will mean that TDs will need to expand their knowledge of hill preparation and increase their experience in how to best work with warm weather conditions. It is possible to use a hybrid approach with an ice track and plastic landing hill for some competitions.

A very successful update seminar for Judges, Chiefs of Competition and TDs was held in Eau Claire, USA last October. The three-day event was attended by 29 participants. Several TD seminars will take place this fall. The European seminar in Kulm, AUT, the Asian seminars in Japan and an online World Cup TD seminar just before the winter season begins. As a reminder, World Cup TDs will be nominated for COC and FIS Cup events to train new TDs.

The current list of TDs in the Ski Flying group are: Aljosa Dolhar, Jelko Gros, Kristian Brenden, Jani Hyvarinnen, Andi Bauer, Ivo Greger, Georg Spath and Alex Diess.

8. Licenses for Video Distance Measuring Systems and Operators (Dr. Soren Muller)

- Overview

New System Licenses – the K-Jump system from Norway completed the certification process over the winter and is now licensed for use. The K-Jump team is working with Ewoxx to provide services in NOR, SWE and EST for COC and FIS Cup competitions in those nations.

The PRIOT system from Slovenia has not yet received a license. Though the system met all requirements in 2022, it has not been demonstrated in a FIS competition.

The table below contains details for all of the currently licensed systems.

Company	Country	Approval Number	Construction Type	User
SwissTiming Sportservice	GER	FIS-VDM 1	SD 4 cameras	1 x Jagro / POL 6 x Japan 1 x Whistler / CAN 1 x Harbin / CHN 1 x Erzurum / TUR
EWOXX	AUT	FIS-VDM 2	SD 4 cameras	5 x EWOXX
SwissTiming Sportservice	GER	FIS-VDM 3	HD 4 cameras	6 x SwissTiming 2 x Almaty / KAZ 1 x Nizhni Tagil / RUS
EWOXX	AUT	FIS-VDM 4	HD 4 cameras	2 x EWOXX
K-Jump	NOR	FIS-VDM 5	HD 4 cameras	1 x K-Jump (NOR Ski-Fed.)
PRIOT	SLO	FIS-VDM 6	HD 4 cameras	1 x PRIOT

New Operator Licenses – three new VDM operators from Ewoxx were trained and successfully completed the practical exam. Eight new operators from K-Jump were trained and successfully completed the exam as well. All currently video measuring operators (n=15) with an A license are included in the table below.

Name	First name	Email contact	Company	Nation	Valid until
GANZ	Thorsten	ganz.t@st-sportsservice.com	ST Sportsservice	GER	31.5.2025
HOFFMANN	Ralf-Peter	hoffmann.r@st-sportsservice.com	ST Sportsservice	GER	31.5.2025
HEINRICH	Bernd	bernhein@aol.com	ST Sportsservice	GER	31.5.2024
SIMMANK	Michael	simmank.m@st-sportsservice.com	ST Sportsservice	GER	31.5.2025
SCHULZE	Daniel	schulze.d@st-sportsservice.com	ST Sportsservice	GER	31.5.2024
BURGSTALLER	Sandro	sandro.burgstaller@hotmail.com	ST Sportsservice	AUT	31.5.2024
PORZUCEK	Dorian	porzucek.d@st-sportsservice.com	ST Sportsservice	GER	31.5.2024
FLOHR	Benjamin	flohr.b@st-sportsservice.com	ST Sportsservice	GER	31.5.2024
WALTER	Patrick	patrick.walter@ewoxx.com	ewoxx sports data service	AUT	31.5.2025
PERTERER	Nina	nina.perterer@ewoxx.com	ewoxx sports data service	AUT	31.5.2025
PERTERER	Helmuth	helmuth.perterer@ewoxx.com	ewoxx sports data service	AUT	31.5.2025
HAFELE	Simon	simon.hafele@ewoxx.com	ewoxx sports data service	AUT	31.5.2025
HOCHFELLNER	David	david.hochfellner@ewoxx.com	ewoxx sports data service	AUT	31.5.2025
HOPPEL	Florian	florian.hoppel@ewoxx.com	ewoxx sports data service	AUT	31.5.2025
LAZAROV	Ivan	ivan.lazarov@ewoxx.com	ewoxx sports data service	BUL	31.5.2024

All current video measuring operators (n=30) with a B license are included in the table below.

Name	First name	Email contact	Company	Nation	Valid until
LIBNER	Lucas	lissnertucas@gmail.com	ST Sportservice	GER	31.5.2025
STARK	Marcus	stark.m@st-sportservice.com	ST Sportservice	GER	31.5.2025
KOWALCZYK	Piotr	altamont55@gmail.com	ST Sportservice	POL	31.5.2025
MALIK	Fabian	fabian.malik@onet.pl	ST Sportservice	POL	31.5.2025
PUSTOLKA	Kacper	kacper.pustolka@onet.pl	ST Sportservice	POL	31.5.2025
DAUKANTAS	Herkus	h.daukantas@gmail.com	ST Sportservice	LTU	31.5.2025
SZATKIEWICZ	Karolina	szatkiewiczkarolina@gmail.com	ST Sportservice	POL	31.5.2025
PERCHTALER	Michael	michael.perchtaler@ewoxx.com	ewoxx sports data service	AUT	31.5.2024
RAMSBACHER	Erwin	erwin.ramsbacher@ewoxx.com	ewoxx sports data service	AUT	31.5.2024
MEDWED	Lukas	lukas.medwed@ewoxx.com	ewoxx sports data service	AUT	31.5.2024
MEDWED	Harald	harald.medwed@ewoxx.com	ewoxx sports data service	AUT	31.05.2025
SCHACHNER	Moritz	moritz.schachner@ewoxx.com	ewoxx sports data service	AUT	31.05.2025
THÖNI	Marco	marco.thoeni@ewoxx.com	ewoxx sports data service	GER	31.05.2025
SATOH	Koichi	satok1@ruby.ocn.ne.jp	Nozawaonsen Ski Club	JPN	31.5.2025
SHIMANO	Toshiyuki	shimano@acs-jp.co.jp	Sapporo Ski Club	JPN	31.5.2024
HASEGAWA	Satoshi	estaesaaquella@ab.auone-net.jp	Sapporo Ski Club	JPN	31.5.2024
YOSHIIRI	Shinya	yoshiiri@aol.com	Hakuba SkiClub	JPN	31.5.2025
MATSUZAWA	Takuya	takuya.m4@gmail.com	Hakuba SkiClub	JPN	31.5.2025
OTA	Kazunari	0261@vill.hakuba.lg.jp	Hakuba SkiClub	JPN	31.5.2025
JAKOPIN	Blaz	blaz@priot.io	PRIOT	SLO	31.5.2024
VEENE	Ziga	ziga@priot.io	PRIOT	SLO	31.5.2024
LOGAR	Grega	grega@priot.io	PRIOT	SLO	31.5.2024
FREDRIKSEN	Fritz Jacob	fritz.j.fredriksen@gmail.com	K-Jump	NOR	31.05.2026
HAUGSETH	Frode	frode.haugseth@hebb.no	K-Jump	NOR	31.05.2026
LERBAKKEN	Fredrik	ierbakka@hotmail.com	K-Jump	NOR	31.05.2026
PEDERSEN	Peder Nævestad	peder.n.pedersen@gmail.com	K-Jump	NOR	31.05.2026
SUNDAL	Ketil	ketil.sundal@altiboxmail.no	K-Jump	NOR	31.05.2026
TETLIE	Alexander	tetliealexander@hotmail.com	K-Jump	NOR	31.05.2026
VIKEN	Jonas	jonasvike@gmail.com	K-Jump	NOR	31.05.2026
VILLUMSTAD	Ståle	stale.villumstad@skiforbundet.no	K-Jump	NOR	31.05.2026

Video measuring operators first receive a B license. The license is valid for two years but can be extended if the operator has completed at least three competitions during the previous year or season. All operators with a valid license will be included in the official list posted on the FIS website.

One final note on video distance measuring, the current status of the camera placement investigation. Swiss Timing and Ewoxx are evaluating camera positions at every hill they visit. They are also reviewing potential approaches with hill operators to optimize the camera mounts. When the data is gathered, Mr. Muller will analyze it and work with the Subcommittee for Hills to have camera placement become a requirement for hill inspection/certification.

- The K-Jump System

The discussion of the K-Jump system was shifted to the meeting in Prague but is included here to align with the agenda.

Mr. Ståle Villumstad (NOR) gave a presentation on the new K-Jump system that was developed under the guidance and support of the Norwegian Ski Association. The design, development, testing and certification process took six years and more than 500 competitions to complete. The system is a mobile solution and includes hardware and software to manage individual, team and Nordic Combined events.

Similar to the Swiss Timing and Ewoxx systems, K-Jump provides the following services:

- A full results package,
- Automated Judge scoring,
- Information displays for the Jury, coaches and announcer(s),
- Speed measurement,
- Start light management,
- Wind and gate compensation,
- Video distance measuring and
- TV graphics.

Organizers interested in exploring the capabilities, requirements and availability of the system can find out more information on the official website – www.kjump.no.

9. ICR/Rules: Changes and Adjustments

The review and discussion of rule changes was postponed until the meeting in Prague. However, the content of those discussions will be included here to align with the agenda.

- Applications from the National Ski Associations

Three proposals were introduced for discussion this year:

- 1) AUSTRIA – the Austrian Ski Association proposed a change to ICR 422.11 as follows:

422.11 The jumper must not start before the official starting signal or intentionally delay readiness to receive signals from a third person. ~~Feigning problems with skis, bindings, equipment, or clothing is inexcusable. Both types of actions will as a rule cause disqualification.~~

Several examples were introduced. In one case in Oberstdorf an Austrian athlete had an equipment issue and was not sure it was safe but decided to jump anyway. The discussion centered on athlete responsibility to be on time at the gate. Other examples illustrated that the Jury does have the ability to make exceptions according to the rules due to “force majeure”.

VOTE: 13-0. All members voted against this proposal with one comment from Kjersti Espelid (NOR) that the Jury take athlete safety into consideration as this could result in a competitor attempting to jump with defective equipment just to avoid being disqualified.

- 2) CANADA – the Canadian Ski Association proposed that there be an automated solution to halt the start countdown if wind conditions suddenly become unsafe for an athlete to start. This proposal was presented by Nikolay Petrov (CAN). He expressed concern that athletes in the lead lose that position due to poor weather conditions. A discussion ensued to evaluate the reasoning behind this request.

Chairman Greger commented that there is an understanding between the RDA and the coaches that the start procedure will be reset under such conditions. The coaches approve of the work Borek is doing and Miran has a significant amount of experience with these scenarios, so Chika is not in favor of adding yet another limit to providing the best conditions for an athlete. Several members suggested that since the Assistant Race Directors are professionals there are already safeguards in place for these types of situations.

VOTE: 13-0. All members voted against this proposal.

- 3) FIS – the Chairman introduced this topic as one that has had a great deal of discussion over the past several years – both within the subcommittee and for many people outside the subcommittee. The proposal is to change the rule for deduction without a Telemark from 2.0 to 3.0 points. A lengthy discussion ensued expressing both concern that Judge scores will be more inconsistent and Judge evaluation will be more difficult to a strong desire to spread out the scores for athletes who land with a Telemark.

VOTE: 10-3. AUT, FIN and GER voted against this proposal. All other members voted in favor of it.

Proposed rule changes for the ICR, Cup Competitions and Equipment are included in the appendix to this document.

10. E-Learning System (Ivo Greger)

Feedback from Technical Delegates and candidates has been positive for the system. The ease of access to information is very helpful when traveling. One important update for this season is the operation of the 3D scanner for equipment control. A new video will be added to the portal to provide an overview of the machine and how it will be used to obtain accurate body measurements.

The main topic for Judges this year will be the Landing phase. There is a proposal to change the rule for No Telemark from an automatic deduction of 2.0 points to 3.0 points. Representatives from Norway are gathering video examples that will help illustrate the guidelines for how to apply this new rule. In addition, the theoretical test questions will need to be updated to reflect this change.

There are not many changes to the Chief of Competition educational materials this year. However, as with the material for all other officials, the theoretical test questions will need to be updated as well.

11. Education and Coaching (ECP) Program for Chiefs of Competition (Hubert Mathis)

Hubert Mathis (SUI) provided a summary of the activities of the Chief of Competition education program. Over the past season there were seven scheduled sessions for the online theoretical exam. In 2023 there were 25 candidates.

Since the beginning of the program, there have been 107 candidates with 89 passing the theoretical exam. There have also been eight practical workshops with 78 candidates receiving a license A and seven receiving a license B. Attendees of the practical workshops rated them with an overall satisfaction survey score of 3.79 out of 4.0.

On the positive side, respondents to the survey felt that the greatest benefit came from being able to discuss common topics together in person. On the negative side, participants felt that it required too much time to attend the workshop and there was too much classroom time and not enough on hill time. One suggestion for improvement is to establish an exchange program and another is to integrate a Chief of Competition seminar with the bi-annual TD seminar.

There are 25 Chiefs of Competition who must extend their licenses in 2024. Two potential workshops are being planned for that purpose and to train additional candidates. Seven Chiefs of Competition have both a license B and a license A. Given that so few have a license B there is a recommendation to eliminate the license B and only have one license

going forward. Mr. Mathis postulated that to upgrade from a B license to an A license officials should take the theoretical exam every four years or complete the full process – exam and workshop – every six years.

Mr. Mathis thanked the working group for their efforts to make the education program a success and reviewed the timeline and steps required for completing the licensing process.

12. Further Education Seminars and Workshops

Chairman Greger reviewed the upcoming schedule for educational opportunities:

- Judges – Grainau, GER, June 22-24, 2024
 - o The main topic will be the change in Landing points from 2.0 to 3.0,
 - o Obmen will need to pass this information on to their respective Judges.
- Technical Delegates
 - o Kulm, AUT, November 1-2, 2024
 - o Sapporo/Yonezawa, JPN, October 12-14, 2024 (includes Judges),
 - o Virtual Meeting of World Cup TDs, just prior to season start 2024.
- Chiefs of Competition
 - o Online Theoretical Exam, Summer/Autumn 2024,
 - o Practical Workshop in Central Europe (AUT, GER, POL) will be announced during the fall meeting based on feedback from the Obmen.

The online meeting was closed on April 4, 2024, at 19:55 CET.

13. Opening Remarks

Chairman Ivo Greger opened the meeting at 08:30 CET, welcomed all guests and presenters and thanked the members for making the trip to Prague for the first time.

14. Roll Call of the Members

See item 2 above for the roll call under “Remarks – April 12”.

A review of item 4 took place, and then the meeting was paused so members could listen to a presentation from Dr. Elfmark (NOR). He shared information on a study done by himself and Dr. Soren Muller (GER) regarding the technical performance of athletes over several seasons. Based on their evaluations, suit size has more to do with increased distance than material permeability or thickness. In addition, athlete performance was more efficient during that past season than in prior seasons. The key to this is a more rapid transition from the takeoff position to the flight position and a sharper angle of attack throughout the flight.

15. The Performance of the Judges

- General
 - Based on the Judge evaluation system provided to and used by Swiss Timing, there were four Judges with more than 10.0 on the Nations List during the 2023-24 season.

2017/2018

Gunka Ryszard	POL	Denifl Claudia	AUT
<i>2018/2019</i>			
Bercic Joze	SLO	Prevc Bozidar	SLO
Herzig Michael	GER	Solbu Jarle	NOR
Lorenz Michael	GER		
<i>2019/2020</i>			
Boerseth Kurt	NOR	Gswentner Hermann	AUT
Gobel Angelika	GER	Justin Anton	AUT
<i>2020/2021</i>			
Hlava Josef	CZE	Suzic Zlato	SLO
<i>2021/2022</i>			
Normann Tom	NOR		
<i>2022/2023</i>			
Perktold Wolfgang	AUT	Inoue Ryuichi	JPN
Kaneko Yusuke	JPN	Justin Anton	SLO
<i>2023/2024</i>			
Marit Gulbranden	NOR	Miha Sever	SLO
Bjoernar Petterson	NOR	Masashi Abe	JP

Unfortunately, the formulas that were provided to Swiss Timing to use for Judge compliance are only valid for Judges onsite and only if those Judges have scored athletes from their own nation higher than for other nations. The Nations List does not evaluate Judges who have no athletes from their own nation or Judges who use “Negative National Judging” – scoring athletes from their own nation within the range, but other athletes below the range.

While the formulas given to Swiss Timing do provide a compliance score for all Judges at an event, they round the values and as mentioned above only compare them to the other Judges onsite. So, a compliance value sometimes referred to as the 80% rule is much more lenient than it should be. At this time, there is also no data available for Judge evaluation at Nordic Combined competitions.

A proposed solution for more effectively evaluating Judge performance was presented by Mr. Erik Stahlhut (GER). It demonstrates a more objective analysis and compares scores with those in the Virtual Judge system. It also evaluates scores against the candidate criteria without rounding and accounts for “Negative National Judging”.

On a final note, there will be a sixth Judge at the JWSC and at WC events with multiple disciplines – WCJ-M, WCJ-W, WCNK-M and WCNK-W.

- Usage of the Virtual Judge System

<i>Most Active Users</i>	<i>Jumps</i>	<i>Most Judged Competitions</i>	<i>Jumps</i>
1) MAISSEN Patric SUI	3943	1) Ruka 2023-11-25	2046
2) FRAK Vladimir SLO	3887	2) Ruka 2023-11-26	1895
3) SATOH Mitsugu JPN	3884	3) Engelberg 2023-12-17	1781

Chairman Greger proposed that every WC competition in the Virtual Judge system must be judged by a super user from each nation. Smaller nations will share responsibility, so there should be 13 super users judging each competition.

- WC Feedback

Chairman Greger reported that there was a conversation at the WC in Oberstdorf, GER between Mr. Miran Tepes (FIS) and the Inrun Crew regarding proposed changes to the cooling system to improve the conditions of the track. This was probably not the best approach to communicate his concerns. The TD and the Jury are responsible for the hill and should be reviewing such concerns with the Organizer. Any concerns from the RDA not being addressed by the TD, Jury and Organizer should be resolved within the staff of FIS professionals. The RDA has been provided appropriate feedback regarding this situation.

- Proposal on New Deduction Guidelines for Landings

Chairman Greger introduced this topic by reminding the members that it was proposed in Tallinn (and has been a work in progress for many years) that we change the deduction for “No Telemark” from 2.0 to 3.0 points. If approved, it will be discussed as the main topic at the European Judge seminar in Grainau, GER and at the update seminar in Sapporo/Yonezawa, JPN.

The expectation of the impact this change will have is that there will be a greater difference between the Judge scores for landings. It will however, provide a greater emphasis for athletes on performing the correct Telemark since the differences in scores could change the podium spots.

Judges must be made aware that deductions for landings with a Telemark can be more than 1.5 points. However, it is imperative that all Judges understand the difference between a good Telemark and a poor one.

The chairman opened up discussion by suggesting that TDs may need to limit longer jumps to ensure athletes have the possibility of executing a good Telemark. Reed Zuehlke (USA) commented that there is often a difference between the judging of training and competition because athletes usually don't attempt Telemark landings during training. If there are more points for a Telemark, maybe training for both athletes and Judges will be more consistent. Jurgen Winkler (AUT) countered by saying that it is easier for a Judge to deduct two points for a questionable Telemark than it will be to deduct three points; implying that there will be no “middle ground” if a Telemark is not clear.

Chairman Greger shared with the group that some have proposed using artificial intelligence (AI) to judge instead of spending so much on Judges. We as Judges need to demonstrate our value and not just try to avoid being thrown out.

The updated guidelines for evaluating a landing using the three-point deduction for “No Telemark” are:

Max. 5.0	Landing Deduction
Min. 3.0	No attempt to establish a Telemark position at the point of landing impact – e.g., absorbing the landing pressure with both feet parallel (as a single fault).
0.5 – 1.5	Deficiencies in the correct transition from the flight phase to the landing phase. This includes when the landing is too deep without a Telemark.
0.5 – 1.5	A minor Telemark position upon landing impact despite transitioning into a full Telemark position by the end of the landing procedure, this includes when the legs are too stiff (straight) upon landing.
0.5 – 1.0	Off balance, using the arms, legs or hips to maintain balance over the skis.
0.5 – 1.0	Deficiencies in controlling the skis (skis not parallel or the distance between the skis greater than two ski widths) and/or both skis not in flat contact with the skiing surface (one or both skis on edge).

16. Virtual judge

Potential Uses for Statistical Data (Erik Stahlhut)

The Judge evaluation program developed by Mr. Stahlhut now contains over 6,000 jumps and 30,000 Judge scores. It includes hill information that provides comparisons between scores for men and women with a current focus on the landing phase.

The data is now transferred from Swiss Timing (ST) but provides a more accurate view of Judge performance than the formulas ST is currently using. Based on the formulas a Judge could receive a rating of 100% compliance when that is not actually the case. This is due to the rounding of calculation results. The ST system shows no sanctions for the 2023-24 season. However, if scores are not rounded, and even if the rules for the Judge practical test are used, four WC Judges were still not able to meet expectations.

To summarize the approach, the following criteria are used:

- 1) Calculations are not rounded,
- 2) The rules for candidate Practical Tests are used even though they may set too low a bar for our best officials - WC Judges,
- 3) A Tendency Score (TS) is calculated for each Judge based on aggregate scores determined after grouping athletes by place within the result list (Rankings 1-5, Rankings 6-10, etc.).

The TS identifies both the positive and negative approaches to giving athletes from the same nation better scores and provides a much more complete view of Judge performance than the current solution ST is using does.

Because the formulas ST is using do not show any sanctions for 2023-24, but there are Judges who could use some additional feedback on their performances, there are three options for evaluating Judge performance during the past season:

- 1) Continue using the ST or "Classical" approach,
- 2) If the PT score is ≥ 10 on one occasion or ≥ 5 on two occasions, then the Judge should not be allowed at the WC level for one year,
- 3) If the TS score is ≥ 10 on one occasion or ≥ 5 on three occasions, then the Judge should not be allowed at the WC level for one year.

Note that PT = Practical Test criteria and TS = Tendency Score.

One of the nominations Jurgen Winkler (AUT) had during the 2023-24 season was used as an example of how the ST score showed that he was in compliance, but the TS score showed that he was not.

After discussion of the pros and cons surrounding changing the approach for evaluating Judges after the season was already over, it was agreed upon by the group that the new TS approach will be used for assessing Judge sanctions during the 2024-25 (including summer) season and beyond. As a result of this discussion, there will be no Judge sanctions from the 2023-24 season.

17. Nominations for Events in 2024-2027

The process for nominating officials and replacing those who were not able to complete their assignments went well over the past season. New nominations were made, and changes frequently occurred but they were handled quickly due to very good cooperation with the Obmen via the WhatsApp group. However, the trend for the number of changes is headed in the wrong direction, so inform your officials (mostly Judges) to plan ahead:

- Season 2021-22 – 181 changes
- Season 2022-23 – 75 changes
- Season 2023-24 – 117 changes

The subcommittee members are encouraged to inform competition organizers to continually monitor the website for changes to the list of officials for their events to ensure that the correct officials are engaged as early as possible.

As a reminder, there will be six jumping Judges for the JWSC going forward, so please be aware and nominate your officials as quickly as possible.

2025 WSC – Trondheim, NOR

TD	Dolhar Aljosa	SLO
TDA	Bauer Andi	GER
TDA	Tahk Suzanne	EST

Judges	NOR	Walseth Ole
	CZE	Parma Jiri/Bartos Michal
	GER	Beyer Olaf
	ITA	Sambugaro Sandro
	SUI	Piazzini Fabrice
	USA	Sydow Steve

2025 JWSC – TBD (potentially Lake Placid)

TD	tbd
TDA	tbd

Judges	USA
	EST
	SVK
	SLO
	KOR
	ITA

2026 OWG – Milano-Cortina, ITA (final names by fall meeting in Trondheim)

TD	Gros Jelko	SLO
TDA	Späth Georg	GER
TDA	Jerome Jessica/ Johnson Alissa	USA

Judges	ITA	Comina Giovanna/DeCrignis Martino
	CAN	Johansson Kelly/Tanaka Shinya
	GER	Hellauer Werner/Knoll Peter
	FRA	Grand Chavin Bruno/Gay Jerome
	SUI	Piguet David/Parpan Rico
	SWE	Nybelius Marit Stub/Busk Per

2026 JWSC – Trondheim, NOR

TD	Zuehlke Reed	USA
TDA	Tahk Suzanne	EST

Judges	NOR
	AUT
	CZE
	GER
	SUI
	FIN

18. Fall 2024 Meeting

The Obman meeting will take place in Trondheim, NOR, September 9, 2024, together with the fall meeting of the Subcommittee for Officials, Rules and Control.

19. Requests and Proposals

All proposals and rule change recommendations will be reviewed by the Coordination Committee on May 8, 2024.

The meeting was closed on April 12, 2024, at 12:38 CET.

APPENDIX – Rule Changes

1. International Competition Rules (ICR)
2. SFWC, OWG, WSC, WC, WC-Team Events
3. COC, FIS Cup and Other International Competitions
4. Equipment

1. International Competition Rules (ICR)

403.6 Equipment Controllers

These officials are nominated by FIS for Cup competitions (WC, GP, COC, I-COC, FIS Cup) as well as for OWG, WSC, SFWC and JWSC. They may be nominated for other international competitions as well (YOG, EOG, EYOWF). Equipment Controllers must possess a TD license for Ski Jumping.

403.6.1 Equipment Controllers are responsible for:

- Preparing and maintaining the required equipment control devices,
- Inspecting athlete equipment, recording any infringements and reporting violations to the Jury,
- Taking athlete body measurements and recording the respective data for the sole purpose of carrying out equipment control as specified by the SCE and other relevant rules.

433 Calculating and Announcing the Results

433.1 Style Points

The five Jumping Judges submit their scores and then the highest and lowest scores are eliminated. The three remaining scores are added and the sum of these scores is the total style score for a jump.

433.2 Distance Points

The distance points for a jump are calculated based on the table point. The points per meter are based on a table determined by the K point of the hill.

K-Point Distance	Meter Value
20 to 24 m	.....4.8 pts./m
25 to 29 m	.....4.4 pts./m
30 to 34 m	.....4.0 pts./m
35 to 39 m	.....3.6 pts./m
40 to 49 m	.....3.2 pts./m
50 to 59 m	.....2.8 pts./m
60 to 69 m	.....2.4 pts./m
70 to 79 m	.....2.2 pts./m
80 to 99 m	.....2.0 pts./m
100 to 134m	.....1.8 pts./m
135 to 164m	.....1.5 pts./m
180 m and larger	.....1.2 pts./m

The K point of the jumping hill is considered the table point. Consequently, the K point distance is valued at 60 distance points. Once the meter value is known, the difference in distance from the K point can be calculated for a jump. Points for distances shorter than the K point are calculated by multiplying the meter value by the difference in length from K and subtracting this number from 60. Distances longer than the K point are calculated by multiplying the meter value by the difference in length from K and adding this number to 60.

433.3 Wind and Gate Compensation

If a Wind/Gate Compensation System is in place, the Jury may change the length of the inrun even during a competition round in order to ensure both fairness and safety. The Wind and Gate Compensation points will be included in the total score.

433.3.1 Wind Compensation

Wind compensation is used in most FIS competitions as well as championships such as OWG and YOG. The compensation points for each jump are calculated using standardized wind measurement devices provided by official FIS data providers.

For a headwind, athletes receive negative compensation.

For a tailwind, athletes receive positive compensation.

Wind compensation values are confirmed by the Jumping Committee.

Based on this value, either positive (points added) or negative (points deducted) are included in the collective score for each athlete.

433.3.2 Gate Compensation

The competition Jury can decide to change the gate during a round.

For each hill used in FIS competitions, the compensation point value is determined based on the inrun length; these values are confirmed by the Jumping Committee.

If the gate is changed during a round, gate compensation applies to the collective points score of a given athlete.

If the inrun length is increased (gate is raised), the associated point value will be deducted from an athlete's collective point score.

If the inrun is shortened (gate is lowered), the associated point value will be added to an athlete's collective point score.

Coach Request

A Trainer/Coach is entitled to reduce the length of the inrun for his/her respective athletes. This decision must be announced prior to the end of the red phase of that athlete's start procedure. Gate compensation will only be included if the athlete jumps at least 95 % of the HS distance.

GATE FACTOR - INDIVIDUAL, SUPER TEAM AND TEAM COMPETITION

Individual Events:

The gate of first athlete of the round will set the base gate for all subsequent athletes in the same round.

Team Events:

The gate of first athlete of the first group will set the base gate for all subsequent athletes in the same round regardless of the group.

Super Team Events:

The gate of first athlete of first group will set the base gate for all subsequent athletes in the same round regardless of the group.

Mixed Team Events:

The first athlete of each gender sets the base gate for all athletes of the same gender in the same round regardless of the group within that gender.

433.4 The Collective Point Score

The total jump score is calculated by adding the style, distance and wind and gate compensation points (if the system is used) together.

If the total of the style and distance points results in a negative sum, the score will be zero (no negative points).

433.5 The Total Point Score

The total point score is calculated by adding together the collective point scores from the competitive jumping rounds. The athlete with the highest total point score is the winner. When two or more athletes have identical scores a tie is declared and the athletes are awarded the same place. The next finishing places will be eliminated depending on the number of athletes tied. Ties must be listed in reverse start bib order in the final results (the higher start bib first).

433.7 The Announcement of the Results

The unofficial results will be posted immediately after the competition by the Data Service Provider. The Competition Secretary then presents the final list to the Jury for approval. If the Jury has not received any protests, the results will become official after the protest time expires. The protest time is normally 15 minutes after the end of the competition. A shorter protest time can be determined during the team captains' meeting. The results list must include the following details:

- the name of the competition,
- the date and place of the competition,
- the name of the hill and reference to its K point and Hill Size (HS),
- the name and country of each Jumping Judge,
- the name and country of each Jury member,
- information on the weather (snow conditions, temperature, wind, etc.),
- the number of entered, started, and qualified competitors.

In addition, for each listed competitor:

- the place, start number, last and first name and country or club,
- followed by separate data for each round:
- the distance jumped, inrun velocity, distance points, style points, **gate number used and any compensation points, wind value and associated compensation points**, the collective points per round and at the end of the line the total point score for each competitor.

Official results lists must be signed by the TD and the Chief of Competition. The official results list sent to FIS must be written in Latin script.

2. SFWC, OWG, WSC, WC, WC-Team Events

3. COC, FIS Cup and Other International Competitions

4. Equipment