

Subject:	Wingsuit Flying Committee Report	Agenda #	18
Author:	Mike Pennock, Wingsuit Flying Committee Chair		
Date:	15 November 2023	Pages:	7

**INTERNATIONAL SKYDIVING COMMISSION  
WINGSUIT FLYING COMMITTEE REPORT AND AGENDA  
ORLANDO – 2024**

### WS Committee members 2023

- **Mike Pennock (NED) - Chair**
- **Steve Hubbard (USA) - Deputy Chair**
- **Vera Asquith (CAN)**
- **Scott Callantine (USA)**
- **Bert Ham (NED)**
- **Michael Cooper (USA)**
- **Arvid Endler (GER)**
- **Max Diebold (FRA)**
- **Sudeep Kodavati (IND)**

We have a very active and involved Committee. The committee is complete, all the members are staying on, which gives stability and provides continuity. No changes are needed in 2024

### Competitions in 2023

#### **2nd FAI European Wingsuit Flying Championships and 4th FAI World Cup of Wingsuit Flying**

#### **Prostejov 19-26 august 2023**

It was my first year as chair, after Steve Hubbard has led the committee for four years. We have been very active and had 8 meetings during the year, We worked hard to get Acro teams to come to Prostejov, We are very proud of the fact that our efforts for Acro paid off.

The results for Prostejov are:

- One World Record and 4 Continental records were set in Performance
- One World Record and 1 Continental records were set in Acro

#### Participants

	<u>NAC's</u>	<u>Competitors</u>	<u>Teams</u>
Acro	6	21	7
Performance	20	47	-

At the competitors meet, 7 committee members were present. We had a good meeting where we explained the ISC procedures and timelines. This information was highly appreciated.

The competitors were very clear about some rule changes in the benefit of the Wingsuit Competition. These proposals have been used for the 2024 rule changes

### Summary of proposals to submit

1. **Adjust the wingsuit definition in S5** To allow the Wingsuit to be Fingertip to Fingertip
2. **Add Addendum D** with the guidelines for suit measurement instructions
3. **Add Equipment** to definitions.
4. **Adjust 2.2** the **Validation window** to start the SEP check, 10 sec after the **exit**
5. **Add 2.2** reference points to bulletin 2.
6. **Add 3.2.2.** to the competition rules that no “**modifications**” or “**add-ons**” are allowed during competition.
7. **Add 3.2.10** to the CR that If a competitor fails to return the competition PLD to the Judges, right after landing, he/she will get a zero for that jump.
8. **Adjust 5.7.2** adding a penalty after a suit modification has been detected
9. **Align 6.1.3** “Video Rules” With FS, AE and CP (As much as possible)
10. **Align 8.5.1.5** “National Team Alternate” rules with SP and CP
11. **Align 8.5.2.1** Text on the medals
12. **Revision** of the Large Formation Records and **add** vertical records
13. **Second the proposal of FS**, align the video rules in S5

### Suggestions for 2025

1. **Align 8.3.1.4** Composition of the delegation with Speed
2. **Add and Align** Female Category with Speed
3. **Expand** Acrobatic compulsory dive pool

## Competition Rule Changes

### 1. Adjust in S5

(15) WINGSUIT:

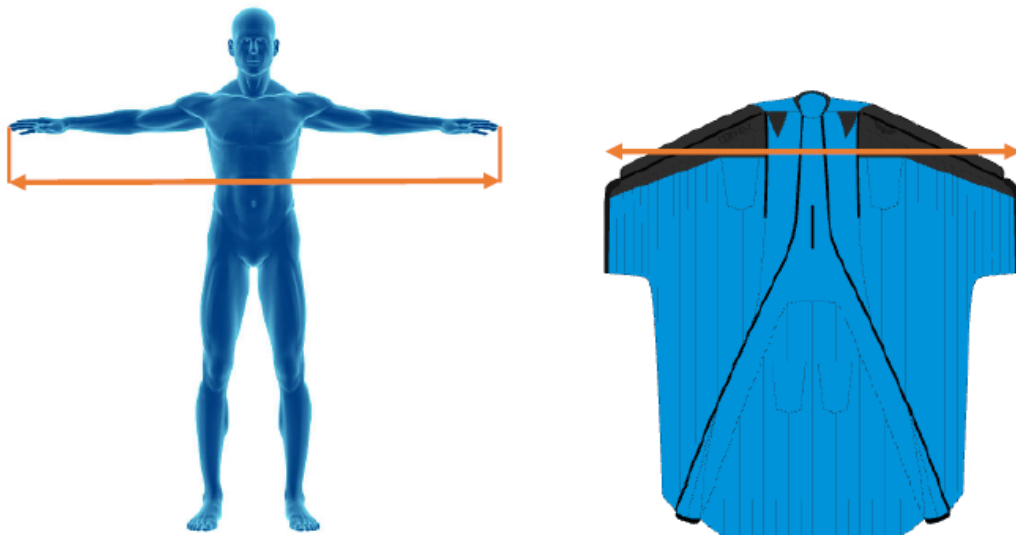
A garment of flexible material forming wings between a parachutist's arms, legs and torso, creating an aerodynamic planform designed to generate forward movement through the air using only the force of gravity. The parachutist's limbs and extremities must serve as the primary frame for the wings. Secondary structural/aerodynamic components (e.g. non-flexible grippers, fins for directional stabilization) may be used. The span of any structural/aerodynamic components must not extend past the ~~knuckle at the base of the index finger~~. **longest finger on both arms, measured at full arm extension**"

At the 2023 FCE in Prostejov, we discovered that the definition that was updated in 2023 was too strict. Even unmodified "standard" wingsuits could not be used without a last-minute adjustment by a rigger. This adjustment will allow wingsuits to extend past the knuckle of each hand to the end of the longest finger on each hand and will result in less wingsuits being inadvertently affected by this definition.

### 2. Add. Addendum D. Guidelines for measuring a Wingsuit.

"The measurement will be made with the suit laid on a flat floor with zippers done up and the wingsuit fully stretched out

The maximum distance between the furthest parts of the suit along the direction perpendicular to the direction of flight, may not exceed the competitor's arm span, measured between his(her) longest finger on both arms at full arm extension"



After the 2023 FCE in Prostejov, several competitors have asked the Committee to standardize and codify the way a wingsuit will be measured during the equipment inspection before a competition. The goal is to give competitors the possibility to determine if their suit meets the definition of a wingsuit, before traveling to a competition.

### 3. 2,2 Add equipment to WS Competition Rules, Definitions

**Equipment;** Equipment includes at least the following components. Wingsuit, Gloves, Helmet, Rig, and Footwear.

The goal is to clarify what parts will be included in the Judges' inspection.

### 4. 2.2 Adjust the Validation window

**Validation Window:** The validation window is the part of the jump which is used to determine the accuracy of the PLD data. The validation window begins ~~66ft (20m) above the competition window~~ 10 seconds after the exit and ends 66ft (20m) below the competition window.

The goal is to apply the SEP check from the start of the jump, to determine the SEP accuracy from the start of the jump.

### 5. Adjust and add

*WS Competition Rules, Section 2.2 – Performance Event*

**Ground Reference Point:** The ground reference points will be determined by the Chief Judge, with the consent of the Meet Director. The coordinates (latitude and longitude) for each ground reference point will be published in bulletin 2. ~~and will be published no later than the official arrival date using a detailed map or aerial photograph of the area no more than 30 days old.~~ Prior to the official arrival day, the reference points will be displayed using detailed map or aerial photograph of the area no more than 30 days old.

Competitors requested the reference points to be published in Bulletin 2. The goal is to allow the competitors to prepare their PLD with the coordinates of the reference points, before traveling to the competition

### 6. Add.

3.2.2 All equipment will be inspected by the panel of judges. No aerodynamic “add-ons” are allowed. This will be determined by the panel of judges. This decision is not grounds for protest.

Competitors requested the elimination of wingsuit “add-ons” after the FCEs in Eloy and Prostějov. After discussion, we are proposing the inclusion of all competitor equipment being subject to judges' approval

### 7. Add.

3.2.10 In the event of loss of the competition PLD, the competitor will receive a score of zero for that jump. This is not grounds for protest.

Competitors requested this after the FCE in Prostějov, after multiple PLD's were lost.

## 8. Align penalty text

- 5.7.2. The same equipment, as inspected and approved by the judges, must be used throughout the competition. In exceptional circumstances, a wingsuit may be changed with the consent of the Chief Judge, e.g., if the original suit gets damaged and cannot be made airworthy.

The first time a competitor is found to be using equipment that has been modified, they will receive a score of zero for that jump. If it happens a second time, it would result in the disqualification of the competitor from further participation in the competition, including the deletion of any results already achieved during the competition. The competitor will be marked as "disqualified" and will be listed in the ranking list after all other competitors.

If any member of the national team is disqualified, the national team will be disqualified also.

The goal is to align penalties. This text was taken directly from the CP "red card" rule.

## 9. Add to the WS CR

- 6.1.3 Details for video transmission and recording can be found in SC5 5.2.6

The goal is to align the rules to be the same for all disciplines, using the same explanation, makes sense and the competitors benefit from this clarity.

## 10. We second the proposal from the SP committee to align the CR concerning Alternate team members

Add the same wording to the WS CR for performance

- 8.4.1 For delegations with 3 registered competitors, the competitors will automatically form the national team upon registration, unless the Head of Delegations or Team Manager disagrees.
- 8.4.2 For delegations with more than three registered competitors the NAC may nominate 3 of its competitors to form the national team. This must be done before the starting order is finalized. There is only one team per NAC.
- 8.4.3 In addition to the three team members a reserve member (alternate) maybe nominated together with the team and used with following restrictions: The alternate has to be a registered NAC competitor who participates in all rounds. In case of injury of one of the three original team members, the scores achieved until then remain valid in the team total and the scores of the alternate will be used for all remaining rounds (no back and forth).The team can only declare to use the scores of the alternate once and only if the injured team member is unable to continue jumping for the entire competition (no partial replacement due to daily performance short time absence)There are no additional medals awarded to the alternate, regardless if the scores have been used for the team or not.

The goal is to align the rules to be the same for all disciplines, using using the same explanation, makes sense and the competitors benefit from this clarity.

## 11. Align text on the medals for Acro

8.5.2.1 ~~1st~~, Champions, 2nd, and 3rd place teams

To align the wording of the medals

## 12. Revision of the Wingsuit Large formation records

Revision of the record document en to add Vertical and sequential records

The current WS Large Formation Record rules document has not been reviewed or updated since 2015. At minimum, it needs to be updated to reflect change from IPC to ISC, to include the mandatory FAI/ISC languages. The old document still has the original wingsuit definition that was updated in 2023. Several sections in the rule set unnecessarily duplicates requirements that are found elsewhere in the sporting code (General Section and SC5).

### Proposed revisions to current rules

1. Add requirement that all record participants must be wearing wingsuits.
2. Remove old wingsuit definition and add reference to the wingsuit definition found in SC5.
3. Remove grid orientation requirement.
4. Remove table of allowed deviation and replace with a static 10% allowance for formations larger than 40.
5. Add "in slot" requirement in addition to existing "in designated flying space" (Would like Committee feedback on this)
6. Remove all redundant rules.
7. Remove photograph size requirement.
8. Remove perspective requirement.
9. Remove grid example photo and example of successful record image.

### Proposed additions to current rules

1. Add new record category for Vertical Large Formation – No Grip
2. Add new record category for Sequential Large Formation – No Grip

Our proposal is that we use this opportunity to not only update these items, but we use this opportunity to update the WS Large Formation Records program in it's entirety.

With the pending changes to the composition of delegations being presented by the Committee, and the hopes that this change will be accepted and ratified by the plenary, is it safe to assume that this will (re)open the door for females to again set competition (G-1) records?

## 13. We second the proposal from the FS committee to adjust SC5 Video rules

S5 5.2.6 Video Transmission and Recording for AE, CF, FS and WS Acrobatic

The goal is to align the rules to be the same for all disciplines, using using the same explanation, makes sense and the competitors benefit from this clarity.

## Suggestions for 2025 to be mentioned at the Planery in Orlando

### 1. Align Composition of delegations with Speed for 2025

#### 8.3 COMPOSITION OF DELEGATIONS

8.3.1.4 A maximum of ~~eight (8)~~ ten (10) performance competitors for a World Parachuting Championship – Seven (7) places open to male or female competitors and three (3) places exclusively for a competitor from whichever is the gender minority

8.3.1.5 A maximum of twelve (12) performance competitors for a World Cup or Continental Regional Championships. Nine (9) places open to male or female competitors and three (3) places exclusively for competitors from whichever is the gender minority.

### 2. Add and align with speed a Women subclass for 2025

8.5.1.5 Female: Champion, 2nd, and 3rd place

The basic principle is to have one "Event" with everyone. The females are just a classification inside and no stand-alone championships.

As in Speed, the women have a basic different possibility to achieve the same performance as men. At the last FCE in Prostějov this was a topic at the competitors meet. The reason to present it now and propose it for 2025 is to allow competitors to train and get selected.

This will also permit the setting and breaking of Female Competition (G-1) World and Continental records.

### 3. Adjust and add sequences to the Acro compulsory pool for 2025

We have the Intent to increase the acro dive pool, after the 2024 WC

### Competitions for future years

- 2024 - World Championship USA?
- 2025 – To be decided
- 2026 – To be decided

Mike Pennock

Chair Wingsuit Committee

