



# **ISSA World Cup Series Rules**

# ISSA Speed Skydiving World Series Rules

2024 Edition, Effective 1st March 2024

## The Essence of Speed Skydiving

To compete for the best Meet Result and set Personal Best speeds. Personal Bests can only be set during a sanctioned ISSA competition and are published online on the ISSA Eternal Ranking. Only regular skydiving gear on sale is allowed to be used. No extra weight is allowed. One approved Speed Measuring Devices measures the vertical speed between Exit and 5.600 ft above the ground. The readings of the Speed Measuring Device is to be extracted and analyzed using an approved Software.

### 1. Preface

Speed Skydiving is a skydiving discipline with a definition as simple as it gets and it is the fastest non-motorized sport on Earth. In essence, speed skydiving is a pure discipline where only one aspect counts - free fall speed. The speed achieved by human body in free fall is the function of two factors, body weight and body orientation. In stable, belly to earth position, terminal velocity of the human body is about 200 km/h (about 120 mph). Stable freely head down position has a terminal speed around 240-290 km/h (around 150-180 mph). Further minimizing body drag and streamlining the body position allows the skydiver to reach higher speeds in vicinity of 480 km/h (300 mph). Achieving and maintaining high free fall speed is the goal of speed skydiving.

### 2. Terms and Specifications

**Speed Measuring Device (SMD):** Flysight by Bionic Avionics is the approved speed measuring device. Speed measurement is done by one SMD. Each competitor is issued with one official SMD for each jump.

**Scoring Software:** FAI/ISC approved Scoring Software must be used in an ISSA approved competition.

**Speed Skydiving Competition Rules:** an ISSA approved competition must be run according to the currently applicable FAI/ISC Sporting Code and Competition Rules for Speed Skydiving and ISSA Speed Skydiving World Series Rules.

**Meet Result:** is the total result divided by the number of completed rounds (= average of all completed rounds).

**FAI/ISC:** documents and rules are published here <https://www.fai.org/isc-documents>

### 3. Competitions

#### 3.1. Judging

A minimum of one Judge is required. The nominated judge must have at least a national Speed Skydiving judge rating.

A computer operator may run the data download. The nominated judge validates and approves the results according to the FAI/ISC Speed Skydiving Competition Rules.

## 3.2. Technical & Safety

There is no special consideration for low pull since there is nothing that would encourage competitors to keep the speed beyond the measurement zone. However, low pulls may be subject to penalty according to the hosting dropzone rules.

No weights are allowed for the competition. Any not common modifications on gears are subject to be reviewed by the race commission. If found dangerous or contravening rules this gear may be prohibited from use in the competition.

Once in effect for the season, Speed Skydiving rules may not be changed.

## 3.3. Download Team

The organizer provides a competent person who assists the nominated Judge in data downloading, documentation of the 'Measuring Device / Competitor Assignment' and the data backup.

## 3.4. World Cup Series 2024

The ISSA World Cup Series 2024 consists of 7 separate meets.

The schedule is published on [www.issa.one](http://www.issa.one). Short notice announcements may also be published on the ISSA facebook site [www.facebook.com/issa.speedskydiving](https://www.facebook.com/issa.speedskydiving)

No additional meets will be added to the ISSA World Cup Series Series 2024.

In case a scheduled ISSA World Cup Series meet cannot be hosted at the pre-designated dropzone, it should be relocated to a nearby dropzone within the same country.

Each competitor should regularly check [www.issa.one](http://www.issa.one) for cancellations, postponements or rescheduling of competitions.

## 3.5. World Cup Series Results

World Cup Series overall result is the sum of the two best meet results for each competitor regardless of number of meets completed (points = meet result of a single meet). If the competitor does not participate in some of the meets, the result for that meet(s) will be zero.

The competitor with most points is the winner of the World Cup Series 2024 and declared the ISSA Speed Skydiving World Cup Series Champion 2024.

## 3.6. Race Commission

Each participating country in a meet should be represented in the race commission. The race commission is composed of one athlete per country. The representative for a country with more than one participant will be drawn at random.

The race commission resolve conflicts that are not outlined in the Speed Skydiving Competition Rules. If not contradictory to the ISSA rules, FAI/ISC Sporting Code and Competitions Rules will be applied to all Speed Skydiving Competitions. The Race commission may not amend or change the rules, for example: changing the out of boundaries value.

### 3.7. ISSA Board 2024

The ISSA board is responsible for the Speed Skydiving World Series Rules and the annual Speed Skydiving World Series.

Core Members – in alphabetical order

Thomas Moritz Friess (GER)

Ken Hansen (SWE/NOR)

Arnold Hohenegger (AUT)

Christian Labhart (SUI)

Michael Lovemore (GBR)

Marco Wiederkehr (SUI) - Chairman

Organizer Representatives

## 4. Personal Bests & Records

Personal Bests can only be set during competition jumps. Personal Bests must be approved by the ISSA. Personal Bests are published online on the ISSA Eternal Ranking.

National, Continental and World Records can only be set during a sanctioned FAI Event

## 5. Resources

- Speed Skydiving news: [www.issa.one](http://www.issa.one)
- Speed Skydiving facebook: [www.facebook.com/issa.speedskydiving](https://www.facebook.com/issa.speedskydiving)
- Speed Skydiving Eternal Ranking: <https://www.issa.one/speed-skydiving-eternal-ranking-gps/>
- Questions, concerns, suggestions: [mailbox@issa.one](mailto:mailbox@issa.one)

## 6. Summary of Changes 2024

Paragraph	Part	Change
-	Naming of the Series	World Cup Series
3.4	World Cup Series 2024	Reorganization with 7 meets

## APPENDIX A: Template for Invitations

This template shows the minimum requirements for invitations and is standard for competition invitations.

Name of Competition: \_\_\_\_\_

Organizer: \_\_\_\_\_

Organized by: \_\_\_\_\_

Judge: \_\_\_\_\_

Download Team: \_\_\_\_\_

Location: \_\_\_\_\_

Arrival: \_\_\_\_\_

1st Competitor Meeting: \_\_\_\_\_

Competition starts: \_\_\_\_\_

Competition ends: \_\_\_\_\_

Award Ceremony: app. 1 hour after end of competition

Entries sent to: \_\_\_\_\_

Entryfee: \_\_\_\_\_

Entryfee includes: \_\_\_\_\_

Entryfee payback: \_\_\_\_\_

Requirements: \_\_\_\_\_

Competition: Speed Skydiving, 8 rounds, rules according to the currently applicable ISSA Speed Skydiving Word Series Rules and the FAI/ISC Sporting Code and Competition Rules for Speed Skydiving.

Trainingjumps: \_\_\_\_\_

Aircraft: \_\_\_\_\_