



# SPEED SKATING

## TECHNICAL HANDBOOK



FISU WORLD UNIVERSITY CHAMPIONSHIPS

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INTERNATIONAL  
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# 1. HISTORY

The inaugural international university sport competition in Speed Skating dates back to the 1951 World University Championship Cup held in Poiana, Romania. The event's gold medallist, Evgeni Grishin (USSR), went on to become an Olympic champion in the 500m and 1.500m events in 1956 and 1960. Speed Skating made its debut at the 10<sup>th</sup> Winter Games in 1953, held in Vienna-Semmering, Austria, where athletes from the USSR dominated all distances. The only exception was the men's 500m event, in which Doubek from Czechoslovakia secured second place.

Initially, Speed Skating was included solely for men in the Winter Games programme, with its first appearance at the 5<sup>th</sup> edition in Innsbruck, Austria, in 1968. From 1970 onwards, the competition was open to both men and women. In 2012, Speed Skating was incorporated into the programme of the World University Championships and became an optional sport at the Winter Games. The first World University Championship Speed Skating was held that year in Zakopane, Poland.

Subsequent editions were hosted in Almaty, Kazakhstan, in December 2014; Baselga di Pinè, Italy, in 2016; and Amsterdam, Netherlands, in 2020. The 2022 Championship took place in Lake Placid, USA, featuring 44 athletes. The 2024 Speed Skating Championship was hosted in Hamar, Norway, with 63 athletes representing 13 countries.

# 2. STATISTICS

EDITION	YEAR	COUNTRY	CITY	COUNTRIES	ATHLETES			OFFs	TOTAL
					M	W	TOT		
1	2012	POL	Zakopane	11	36	23	59	18	77
2	2014	KAZ	Almaty	12	40	37	77	25	102
3	2016	ITA	Baselga di Pinè	13	36	25	61	27	88
4	2018	BLR	Minsk	14	49	30	79	31	110
5	2020	NED	Amsterdam	16	33	32	65	28	93
6	2022	USA	Lake Placid	9	25	19	44	21	65
7	2024	NOR	Hamar	13	31	32	63	19	82

# 3. GENERAL SCHEDULE

DAY -3	DAY -2	DAY -1	DAY 1-2	DAY 3	DAY 4
A	A	GTM / OC	C	C / CC	D

**Legend:** A – Arrivals / CC – Closing Ceremony / C – Competition / D – Departures / GTM – General Technical Meeting / OC – Opening Ceremony

For Speed Skating, the competitions shall last 3 days





## 4. REGISTRATION PROCEDURES

### 4.1. GENERAL ENTRY (DEADLINE: -6 MONTHS TO THE EVENT)

The General Entry is the first stage of the registration process, where delegations are invited to register, through the NUSFs, for the Championship indicating a general interest in participating in the event.

Teams and athletes are not required to submit any documentation or undergo a selection processes.

**The submission of a General Entry Form is non-binding, indicating only initial interest by the NUSF but not final commitment**

### 4.2. QUANTITATIVE ENTRY (DEADLINE: -3 MONTHS TO THE EVENT)

During the Quantitative Entry the NUSF delegation commits to participate and confirms the delegation composition in terms of numbers and although it does not yet provide individual details, it requires the NUSFs to submit an accurate count of delegation members.

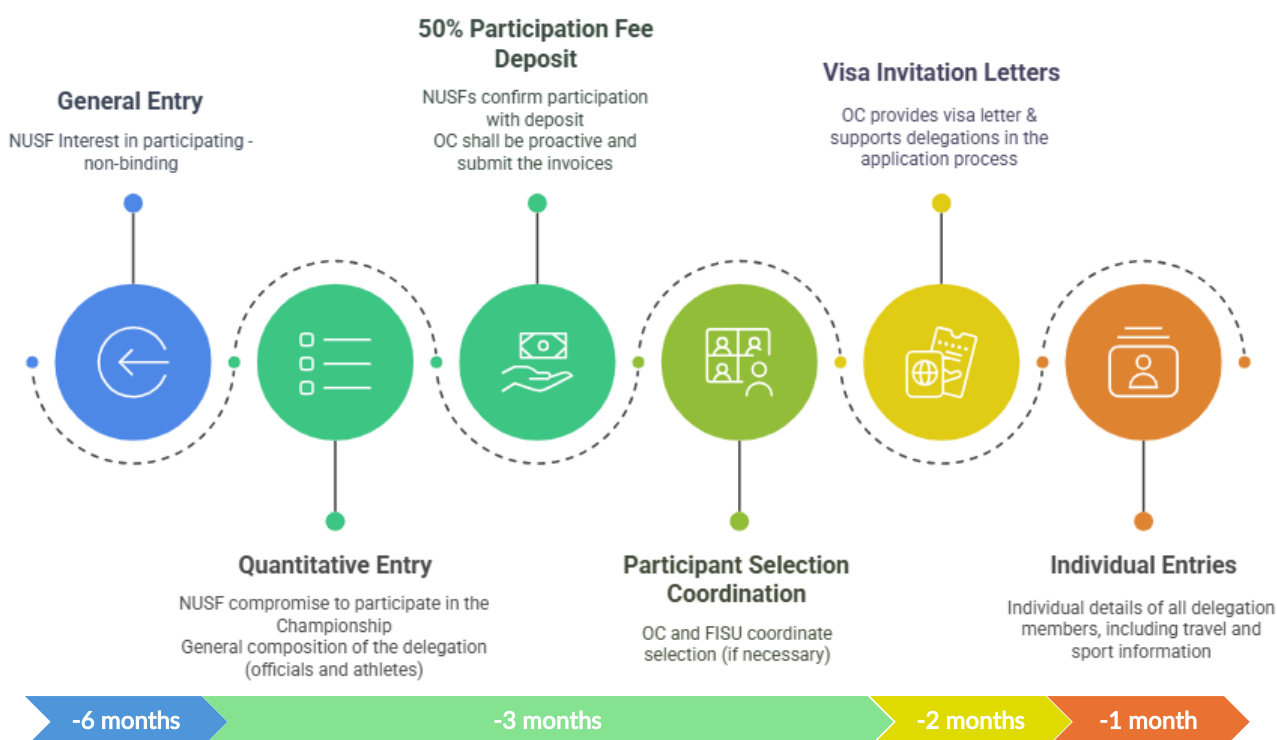
At this stage, a 50% payment of the participation fees is due and must be settled by the Quantitative Entry deadline. By proceeding with the payment, the delegation confirms its participation in the Championship.

**This deposit serves as a participation guarantee, and is non-refundable in case of withdrawal, with refunds subject to FISU General Regulations and any OC-specific cancellation policies**

### 4.3. INDIVIDUAL ENTRY (DEADLINE: -1 MONTH TO THE EVENT)

The Individual Entry is the final step in FISU event registration. The NUSF must provide all relevant data and documentation for each delegation member.

**The remaining 50% of the participation fees is paid in full to the Organising Committee by this deadline. Failure to do so may result in non-participation in the Championship, unless specifically approved by the Organising Committee**



## 5. SPORT REGULATIONS

The Speed Skating events shall be organised in accordance with the most recent technical regulations of the International Skating Union (ISU). In case of dispute in the interpretation of the rules, the English text shall be regarded as authoritative.

The competitions shall last 3 days as indicated in the General Schedule (Section 3) and the competition programme shall be proposed by the Organising Committee Competition Manager and confirmed by the FISU TCC, including the following events:

### 5.1. COMPETITION EVENTS

EVENTS	MEN's	WOMEN's
Individual	500m	500m
	1.000m	1.000m
	1.500m	1.500m
	5.000m	3.000m
	Mass Start	Mass Start
Team	Team Pursuit – 8 laps	Team Pursuit – 6 laps
	Mixed Team Relay – 6 laps	

Day 1 – 1.000m (W) / 1.000m (M) / 3.000m (W) / 5.000m (M)

Day 2 – 500m (W) / 500m (M) / 1.500m (W) / 1.500m (M) / Team Pursuit (W) / Team Pursuit (M)

Day 3 – Mass Start (W) / Mass Start (M) / Mixed Relay (X)



The Team Leaders Meeting (TLM) will be held on the day prior to the commencement of the competitions

### 5.1.1. QUALIFYING TIME

No qualifying times are required for the event.

### 5.1.2. FORMAT

These events will be run as Single Distance Events.

### 5.1.3. SEED TIME

Seed times will be from July 1 of the previous season until the Championship event.

### 5.1.4. DRAW PREPARATION

- Participants will be ranked according to seed time.
- Participants will be grouped together by rank in groups of 6.
- Participants with no seed time will be grouped together and ranked below those that have seed times.

### 5.1.5. DRAW

Random computerized draw may be used.

### 5.1.6. START LIST

- The order of the start shall be from the slowest to fastest group of 6.
- Any withdrawals after the draw shall be as per ISU Rule 245.

### 5.1.7. MASS START

- Races are completed over 16 laps.
- Conducted under the latest ISU Communication & Regulations.
- Only 2 skaters from the same country may compete.

### 5.1.8. TEAM PURSUIT

- The race is completed over 6 laps for women and over 8 laps for men.
- Conducted under the latest ISU Communication & Regulations.
- Seeding will be based on the 2<sup>nd</sup> fastest skater of the Women's 3.000m and Men's 5.000m.
- Teams will consist of 3 skaters from the same country.

### 5.1.9. MIXED TEAM RELAY

- The Mixed Team Relay will be run as per ISU Rule 256 – 3.4 Competition Format C.
- Rules and safety measures will be conducted under the latest ISU Communication.
- Will be run without heats.
- Each race will consist of 4 randomly drawn teams.
- Winners will be the fastest teams from all races.
- Teams will consist of 1 Women and 1 Men from the same country.

## 5.2. CLASSIFICATION SYSTEM

The top 3 winners/teams will be awarded medals. In the case of tie at the thousands of a second, then ISU Rule 268.4 shall apply and both skaters shall receive the same place/medal.

## 5.3. DELEGATIONS COMPOSITION

### A. Athletes

EVENTS		MEN's	WOMEN's
500m		Max. 4 athletes (+1 reserve)	Max. 4 athletes (+1 reserve)
1.000m		Max. 4 athletes (+1 reserve)	Max. 4 athletes (+1 reserve)
1.500m		Max. 4 athletes (+1 reserve)	Max. 4 athletes (+1 reserve)
5.000m	3.000m	Max. 3 athletes (+1 reserve)	Max. 3 athletes (+1 reserve)
Mass Start		Max. 2 athletes (+1 reserve)	Max. 2 athletes (+1 reserve)
Team Pursuit		Max. 3 athletes (+1 reserve)	Max. 3 athletes (+1 reserve)
Mixed Team Relay		Max 1 team (1 man + 1 woman +2 reserves) per delegation	
Max. 24 athletes (12 men & 12 women) per delegation			

A maximum of 32 athletes will be permitted to compete in the 3.000m and 5.000m events

If there are more than 24 athletes of each gender competing in the Mass Start races, the event will be organised with semi-finals and a final. A maximum of 32 athletes per gender will be permitted to compete in the event

For the Team Pursuit, a maximum of 8 teams per gender will be permitted to participate. Team qualification will be determined based on the rankings of the second-best athlete from each country in the 3.000m for women and the 5.000m for men, respectively

At the Technical Meeting, the Head of Delegation or his/her representative shall confirm and sign the official list of competitors accredited by the CIC

Finalised lists of registered participants for each event must be validated through a designated Final Confirmation Form (to be distributed at the event) no later than the deadline specified on the form, only if there are any changes to the initial participant confirmation.

In the event of a participant's withdrawal (WDR) after the draw has taken place, a separate WDR Form shall be utilised (also to be distributed at the event). For individual events, the use of a substitute is permitted only on medical grounds, that must be verified by a medical professional at the event.

A skater withdrawn from any individual event on medical grounds is not eligible to participate in subsequent events of the Championship unless they receive written confirmation from a medical officer stating that their health condition has returned to normal, duly signed and verified.

### B. Officials

TOTAL NUMBER OF OFFICIALS
Max. 5 officials per delegation

## 6. TECHNICAL OFFICIALS

### 6.1. INTERNATIONAL TECHNICAL OFFICIALS

For the FISU Championship, the ITOs are appointed by FISU, following the recommendation from ISU. This appointment process considers several critical factors, including the number of participants, the level and availability of NTOs, and the goal to minimise expenses when possible. To achieve cost-efficiency, ISU will aim to suggest ITOs from neighbouring countries whenever feasible. This approach not only fosters regional cooperation but also optimises resources.

#### A. Number & Roles of ITOs

INTERNATIONAL TECHNICAL OFFICIALS	
NUMBER	FUNCTION
2	Referees (A)
2	Assistant Referees (A) / International Referees & Starters (D)
2	Starters (B)
1	Starter – International Referees & Starters (D)
A total of 7 ITOs are required	

#### B. ITOs Costs

The costs of the ITOs are the following:

- Organising Committee shall manage:
  - Technical Delegate's flights
  - Technical Delegate's accommodation in single room
  - Technical Delegate's meals
  - Technical Delegate's internal transportation
  - ITOs' flights
  - ITOs' accommodation
  - ITOs' meals
  - ITOs' per-diem
  - ITOs' internal transportation

All ITOs costs should be shared among the participants. The Organising Committee will collect all expenses related to the ITOs and submit them to FISU for approval. Once approved, the Organising Committee will communicate the total cost information to the delegations (according to the number of athletes registered) and provide them with the invoices for payment

### 6.2. NATIONAL TECHNICAL OFFICIALS

Concerning the NTOs, these individuals are appointed by the Skating National Federation or the appropriate governing bodies within a country, under the supervision of the Organising Committee.



## A. Number & Roles of NTOs

NATIONAL TECHNICAL OFFICIALS	
NUMBER	FUNCTION
1	Finishing Line Judge
1	Chief Timekeeper
1	Assistant Chief Timekeeper (per Auto Timekeeping System)
2	Lap Scorer
2	Track Judge – Corner
1	Track Judge – Line
1	Track Judge – Crossing
A total of 9 NTOs are required	

The required number of national officials shall comply with ISU Rule 210

## B. Agreement with the NF

Concerning the NTOs participation, it falls outside the scope of FISU or ISU. It is therefore advisable for the Organising Committee to reach an agreement directly with the National Federation. This collaboration will help ensure clarity and alignment on the financial aspects associated with it, including the following:

- NTOs Nomination – Ensure all NTOs possess the necessary qualifications to work in an international event
- Management and distribution of the technical official's clothing/uniforms
- Arrangement of suitable accommodation for the required period, if needed

It is strongly recommended to initiate communication with the National Federation promptly regarding the appointment of these officials. This proactive approach will help avert any potential personnel shortages that may arise from conflicting event dates, thereby expanding the available options and ensuring a more successful engagement

# 7. SPORT MINIMUM REQUIREMENTS

## 7.1. COMPETITION VENUES

- Number of competition venues – 1
- Type of venues – Indoor or Outdoor
  - 400m standard Speed Skating track
- Ice Temperature – -8° to -12°
- Ice Thickness – 2,5cm to 4cm

## 7.2. TRAINING VENUES

- Number of training venues – 1
- Type of venue – Indoor or Outdoor
  - Same venue as competition

## 7.3. FACILITIES

- Sharpening Room – 1
  - With sharpening machine

## 7.4. EQUIPMENT

### A. Venue Equipment

- Resurfacing machines – 2
- Cones less than 20cm height – 8
- Movable blocks (rubber or synthetic material) – must comply with ISU Rule 226
- Radios – 12
- Electronic scoreboard – 1
- Lap counters – 2
- Photo finish cameras – 2
- Speakers (starting procedure) – 2
- Padding System – according to current ISU Rules

### B. Uniforms & Sport Equipment

- Helmet covers – 2 sets of 24
- Electronic Transponders – min. 60

Please refer to the Minimum Requirements document for more detailed information

# 8. TRAININGS

The Organising Committee is responsible for coordinating and communicating the training schedule to each delegation, ensuring appropriate access to facilities based on the sport and competition schedule. Some of the factors to be considered are:

- Create a training schedule based on the indications of the FISU TCC
- Consider the usage of the main competition venue, if needed and appropriate
- Provide hydration and basic medical assistance for training sessions
- Share a detailed training plan with each delegation at least 48 hours before their arrival
- Ensure training venue availability throughout the Championship

Please refer to the Section 5.2.3 of the General Handbook for more detailed information regarding Trainings

## 9. MEDICAL SERVICES

### A. FISU Requirements

- First aid and Emergency Medical care
- Medical transportation
- OC on-call first aid medical services shall be available on a 24-hour basis
- A minimum of two ambulances per venue should be available and on duty from the start of warm-up until at least 45 minutes after the final competition of the day

### B. Participants Medical Insurance

All participants must have valid travel medical insurance, covering:

- 24/7 Emergency Assistance
- Emergency Medical Expenses
- Medical Evacuation/Repatriation
- Trip Cancellation/Interruption
- Accidental Death or Injury

The OC is solely responsible for providing first aid, emergency medical care, and transportation to the designated hospital. All other medical costs shall be borne by the participant's insurance

Refer to Section 3.4.1 of the General Handbook for more detailed information regarding Medical Services

## 10. DOPING CONTROL

### A. FISU Requirements

- The requirements regarding the number and type of doping tests, as well as the total number of tests to be conducted, can be found in the *FISU Doping Test Requirements* document. This information is available exclusively to the Organising Committee.
- The OC Doctor or Head of the Medical area shall coordinate the doping testing and contact the FISU CMI to clarify the moment or disciplines in which the tests will be carried out.
- All doping tests costs (including collection, transportation, laboratory analyses) shall be borne by the Organising Committee.

### B. Athletes Selection

- Athletes are eligible for testing once accredited until departing from the official event accommodation.

Please refer to Section 3.4.2 of the General Handbook for more detailed information regarding Doping Control

# 11. PROTOCOL, SPORT PRESENTATION & AWARDING

## 11.1. MEDALS TABLE

SPEED SKATING									
EVENTS	MEN			WOMEN			MIXED		
RACES	G	S	B	G	S	B	G	S	B
500m	1	1	1	1	1	1			
1.000m	1	1	1	1	1	1			
1.500m	1	1	1	1	1	1			
3.000m				1	1	1			
5.000m	1	1	1						
Mass Start	1	1	1	1	1	1			
Team Pursuit	3	3	3	3	3	3			
Team Relay							2	2	2
TOTAL	8	8	8	8	8	8	2	2	2

### A. FISU Requirements

The Organising Committee is responsible for providing the medals as shown in the table above. Medals must be awarded for all categories. The top 3 athletes/teams in each event are eligible for medals.

The table below provides a comprehensive overview of the total number of medals awarded across all competition disciplines. Please note that extra/reserve medal sets and the FISU set are not included in these figures.

SPEED SKATING MEDALS	
Gold	18
Silver	18
Bronze	18

**The Organising Committee must provide FISU with a set of medals of the event**

### B. Recommendations & Considerations

It is crucial to have additional sets of medals on hand as a contingency. Some medals may be defective, or athletes may achieve the same final time, necessitating duplicate medals of the same type.

**Medals are not mandatory for Officials in Speed Skating**

## 11.2. SPORT PRESENTATION

Sports presentation is vital for elevating a Championship from a competition to an unforgettable experience. It encompasses everything from music and lighting to commentary and fan engagement, creating a unique atmosphere that engages the audience.

**In case there is a big screen in the venue for the spectators, some educational video (provided by ISU) regarding the rules of the sport can be displayed at the beginning of the competition day**

### A. FISU Requirements

- **Audio Elements**
  - Sound System: A high-quality sound system is essential for announcements, music, and commentary, ensuring clear communication and an engaging atmosphere.
  - Microphone: Essential for general announcements such as schedule, results, athletes' introduction, general information, and others.
  - Thematic Music: Curate an energetic playlist to be played during introductions, warm-ups, and medal ceremonies to elevate the excitement.
- **Commentary and Announcing**
  - Live Announcements: Make timely announcements regarding event schedules, race results, and athlete backgrounds to keep the audience informed and engaged.
- **Athletes Introduction**
  - Ceremonial Introductions: Develop exciting and personalised introductions for the athletes, showcasing their achievements and backgrounds.

### B. Recommendations & Considerations

- **Audio Elements**
  - DJ: Enhances the atmosphere and overall experience of a sports competition, by creating and maintaining energy, motivating the athletes and engaging the crowd, except during the start procedure, as complete silence is required from music and announcer.
- **Commentary and Announcing**
  - Engaging Commentary: Hire knowledgeable commentators who can provide insights about the athletes, techniques, and race strategies. This adds depth to the viewing experience.

## 11.3. SPEED SKATING PRE-COMPETITION PROTOCOL

### A. Athletes Introduction

**Event Host:**

"Now, let's introduce our skaters for the [gender] [distance] Event! Please join me in welcoming our athletes with enthusiasm!"

- Country Flag & Name Display (if any big screen available)
  - "Introducing our skaters for pair [insert #]. "Starting in the Inner Lane, with a personal best time of [insert time], representing [country], please welcome [athlete name]!"
- Country Flag & Name Display (if any big screen available)
  - "Starting in the Outer Lane, with a personal best time of [insert time], representing [country], please welcome [athlete name]!"



## 12. SERVICES

The Organising Committee should provide a variety of services for the event, including:

- Ice
- Laundry
- Wi-Fi

### 12.1. ICE

The supply of ice is one of the most common requests from participating delegations, particularly for injury treatment and recovery purposes.

- The Organising Committee must supply ice for treating injuries during both practice and competition, as part of the medical coverage for the event. It does not cover large quantities of ice needed for recovery treatments, such as cryotherapy.

**The Organising Committee secure a reliable ice provider on standby, anticipating the request from teams and establishing clear procedures for ice procurement, including pricing and how to access this service**

### 12.2. LAUNDRY

Laundry services are essential for many sports, particularly in long-duration competitions and team sports, where athletes may require frequent changes of clothing.

- Laundry services must be provided in all Team Sports Championships and in all sports with more than four competition days.
- Self-Service or Full-Service Laundry can be considered (hotel/accommodation and external services included in the latter)

**Self-Service is the preferred option, giving more flexibility and control to the teams. If not, it is important to negotiate reduced pricing and adjust the timing for collection/delivery of uniforms with the provider**

### 12.3. WI-FI

Wi-Fi is an essential service for university students, as it serves as a critical infrastructure that fosters communication and supports their academic responsibilities.

- Participants can easily access real-time information about event schedules, results, and updates. This allows them to plan their day effectively, ensuring they don't miss out on key events and activities.
- Participants can engage with live broadcasts, social media updates, and other digital content related to the event.
- For many students, academic responsibilities continue even during events. Wi-Fi connection ensures they can access study materials and educational resources, maintain communication with professors, and keep up with online courses.

**Wi-Fi should be provided free of charge for all participants at the event, both at the accommodation sites and at the competition venues**

**Please refer to the Section 3.11 of the General Handbook for more detailed information on all services**

## 13. GENERAL TIMELINE

TIMELINE	ACTIONS
Event -12 months	<ul style="list-style-type: none"> <li>• Coordination Visit <ul style="list-style-type: none"> <li>◦ Venues visit and Equipment approval (FISU TCC)</li> </ul> </li> <li>• Competition programme approval (FISU TCC)</li> <li>• Venue medical plan approval (FISU TCC)</li> </ul>
Event -6 months	<ul style="list-style-type: none"> <li>• General Entries (NUSFs)</li> </ul>
Event -3 months	<ul style="list-style-type: none"> <li>• Quantitative Entries (NUSFs)</li> <li>• 50% payment from participating countries (NUSFs / OC)</li> <li>• ITOs &amp; NTOs list (FISU / ISU)</li> </ul>
Event -1 months	<ul style="list-style-type: none"> <li>• Individual Entries (NUSFs)</li> <li>• 100% payment from participating countries (NUSFs / OC)</li> <li>• Final Bulletin (OC / FISU / FISU TCC)</li> </ul>
Event -1 day	<ul style="list-style-type: none"> <li>• Accreditation and participants list confirmation (NUSFs)</li> <li>• Technical Officials Meeting (ITOs / NTOs / TCC / OC)</li> <li>• General Technical Meeting (NUSFs / OC / FISU)</li> </ul>
EVENT	
Event +1 week	<ul style="list-style-type: none"> <li>• Send all documents and media to FISU (OC)</li> </ul>
Event +1 month	<ul style="list-style-type: none"> <li>• Final Report to FISU (OC)</li> </ul>

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PUBLISHED BY



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