

2025/2026 Academic Year Macao BeiDou Aerospace Competition Regulations

1. Introduction

In September 2023, Macao Science Center was officially awarded the title of *International Laboratory for Science Popularization of BeiDou Navigation Satellite System*, and was later included in the list of *BeiDou Science Popularization Bases* by the end of the same year. In an effort to actively promote the popularization of BeiDou satellite navigation system and to encourage greater youth engagement, Macao Science Center is organizing the *Macao BeiDou Aerospace Competition*. This competition aims to assess participants' abilities in problem identification and resolution, as well as their hands-on practical skills.

2. Organizer: Macao Science Center

Co-organizer: Macao International Youth Innovation and Creativity Association

3. Competition Events

The competition comprises five categories open to local primary and secondary school students:

Event I. “BeiDou Positioning Challenge”

This event makes use of the navigation and positioning functions of the BeiDou System through an innovative integration of “BeiDou + Technology + Sports + Culture”. At each checkpoint, participants will face missions involving popular science knowledge and hands-on operation of BeiDou terminal equipment. The event combines scientific learning and physical activity, allowing youth to gain experience and understanding of the BeiDou Satellite Navigation System and related aerospace technologies, thereby enhancing their scientific literacy.

Event II. “BeiDou Smart Life Practice Competition”

BeiDou's positioning and time synchronization functions are closely integrated into daily life. Participants will conduct activities in familiar environments such as communities, schools, and parks—learning about BeiDou technology, experiencing satellite signals, interpreting satellite data, and applying space-time information to solve real-life problems. Based on the theme of “BeiDou Smart Life”, participants are required to submit innovative proposals that utilize the capabilities of the BeiDou Satellite Navigation System.

Event III. “BeiDou Smart Space-Time Concept Art”

To further promote BeiDou aerospace science and encourage youth creativity, this category invites students to submit artwork based on the theme “BeiDou Smart Space-Time”. Through visual expression, participants are encouraged to demonstrate their understanding of BeiDou technology, its wide applications, and its potential impact on the future of an information-driven society.

Event IV. “BeiDou Smart Space-Time Creative Essay”

As China's independently developed global navigation satellite system, the BeiDou System provides services such as positioning, timing, and communication. This event encourages participants to explore and research various applications and development trends of BeiDou. All essay topics related

to the application of the BeiDou System are welcomed, with a focus on assessing participants’ scientific creativity and innovation.

Event V. “BeiDou UAV Programming Application Innovation Competition”

This competition combines BeiDou satellite and drone technologies—both hot topics in technological education today. It aims to bring cutting-edge national technology into everyday learning, stimulate youth interest in artificial intelligence, and foster a new generation of high-level talent. This UAV competition will serve as a platform for the systematic and large-scale integration of these advanced technologies.

4. Competition Format: Categories of Participation

A. The five competition categories are as follows:

Event	Primary Division	Junior Secondary Division	Senior Secondary Division
BeiDou Positioning Challenge	Upper Primary Only	○	–
BeiDou Smart Life Practice Competition	○	○	○
BeiDou Smart Space-Time Concept Art	○	○	–
BeiDou Smart Space-Time Creative Essay	–	○	○
BeiDou UAV Programming and Application Innovation Competition	–	○	○

B. The grade level of all students shall be based on the 2025/2026 academic year.

C. Registration can be submitted in the name of an individual school or as a joint team formed by students from different schools. Each school may register a maximum of three teams for each event, while a maximum of 20 cross-school teams are allowed for each event.

D. The registration time for each event shall be based on the date and time when the registration is completed by the team. Detailed registration rules for each event are provided below. A white-background ID photo is required for registration.

E. Team size and number of instructors for the five events are as follows:

Event	Team Size	Number of Instructors
BeiDou Positioning Challenge	1 person	1 person
BeiDou Smart Life Practice Competition	1-3 person	1-2 person
BeiDou Smart Space-Time Concept Art	1 person	1 person
BeiDou Smart Space-Time Creative Essay	1-4 person	1 person
BeiDou UAV Programming and Application Innovation Competition	2 person	1 person

F. Participants may register for multiple different events, but duplicate

registration in the same event is not allowed. If a participant is found to have registered more than once for the same event, all registrations under that participant will be disqualified.

G. Once registration is confirmed, participants may not transfer to another team. If a participant is found to be participating in more than one team, all teams involved will be disqualified.

H. For detailed competition rules and information, please refer to the official website of the Macao Science Center.

I.

Event	Stage	Quota Allocation		
		Primary Division	Junior Secondary Division	Senior Secondary Division
BeiDou Positioning Challenge	Finalist	30	30	–
BeiDou Smart Life Practice Competition	Semifinal	9	9	9
BeiDou Smart Space-Time Concept Art	Exhibition	9	9	–
BeiDou Smart Space-Time Creative Essay	Semifinal	–	9	9
BeiDou UAV Programming and Application Innovation Competiti	Finalist	–	11	11

5. Awards

Event I. “BeiDou Positioning Challenge”

- First Prize (3 winners): MOP800 and a medal per person
- Second Prize (3 winners): MOP500 per person
- Third Prize (3 winners): MOP200 per person
- Categories: Upper Primary Division and Junior Secondary Division

Event II. “BeiDou Smart Life Practice Competition”

- First Prize (3 winners): MOP800 and a medal per team
- Second Prize (3 winners): MOP500 per team
- Third Prize (3 winners): MOP200 per team
- Categories: Primary Division, Junior Secondary Division, and Senior Secondary Division

Event III. “BeiDou Smart Space-Time Concept Art”

- First Prize (3 winners): MOP800 and a medal per person
- Second Prize (3 winners): MOP500 per person
- Third Prize (3 winners): MOP200 per person
- Categories: Primary Division and Junior Secondary Division

Event IV. “BeiDou Smart Space-Time Creative Essay”

- First Prize (3 winners): MOP800 and a medal per team
- Second Prize (3 winners): MOP500 per team

- Third Prize (3 winners): MOP200 per team
- Categories: Junior Secondary Division and Senior Secondary Division

Event V. “BeiDou UAV Programming and Application Innovation Competition”

- First Prize (3 winners): MOP800 and a medal per team
- Second Prize (3 winners): MOP500 per team
- Third Prize (3 winners): MOP200 per team
- Categories: Junior Secondary Division and Senior Secondary Division

All mentors of the winning teams in the above events will receive a Certificate of Recognition. All participants will be awarded a Certificate of Participation.

6. Competition Timeline

A. Briefing Session

- **Date:** 23 September 2025 (Tuesday), 18:00–20:00
- **Venue:** FABLAB, Exhibition Center, Macao Science Center
- **Registration:** [Click here](#) or scan the QR code on the right to complete the online registration form



B. Competition Registration

- **Unified registration for all events**
- **Registration method:** [Click here](#) or scan the QR code on the right to complete the online competition registration form*
**Each event has its own specific regulations, including registration periods, deadlines, and requirements. Some events may require submission of entries during registration or include training sessions. Please refer to the event-specific details below.*



C. Award Ceremony

- **Date:** 7 February 2026 (Saturday)
- **Venue:** Convention Hall, Convention Center, Macao Science Center

D. Event Details

Event I. “BeiDou Positioning Challenge”

This event includes an optional training session. Due to limited quotas, final participants for the training will be selected by drawing lots.

- **Training list announcement:** 18 October 2025 (Saturday) on the Macao Science Center website.
- **Training date:** 25 October 2025 (Saturday), 14:00–16:00
- **Training venue:** FABLAB, Exhibition Center, Macao Science Center

- **Registration link:** Refer to Section 6B above
- **Registration period:** From now until 7 January 2026 (Wednesday)

- **Shortlist announcement:** 28 January 2026 (Wednesday) (on the Macao Science Center website)
- **Competition date:** 7 February 2026 (Saturday)
- **Competition venue:** FABLAB, Exhibition Center, and surrounding area of Macao Science Center

Event II. “BeiDou Smart Life Practice Competition”

Participants must upload a cloud drive link to their report file when filling out the online registration form.

- **Registration link:** Refer to Section 6B above
- **Registration and submission deadline*:** From now until **7 January 2026 (Wednesday)**
**The cloud drive link must be uploaded during online registration.*
- **Announcement of semifinalists:** 28 January 2026 (Wednesday) on the Macao Science Center website.
(Shortlisted teams are required to attend a presentation session on the day of the semifinal.)
- **Semifinal date:** 7 February 2026 (Saturday)
- **Semifinal venue:** Meeting Room 3–4, Convention Center, Macao Science Center

Event III. “BeiDou Smart Space-Time Concept Art”

Participants must upload a digital version of their artwork via the online registration form and submit the original artwork to FABLAB, Exhibition Center, Macao Science Center, before the deadline.

- **Registration link:** Refer to Section 6B above
- **Registration and submission deadline*:** From now until **7 January 2026 (Wednesday)**
**The cloud drive link must be uploaded during online registration.*
- **Announcement of winners:** 28 January 2026 (Wednesday) on the Macao Science Center website.
- **Exhibition date:** 7 February 2026 (Saturday)
- **Exhibition venue:** Atrium, Exhibition Center, Macao Science Center

Event IV. “BeiDou Smart Space-Time Creative Essay”

Participants must upload a cloud drive link to their report file when filling out the online registration form.

This event offers optional training sessions. Due to limited quotas, final participants will be selected by drawing lots.

- **Announcement of training participants:** Expected in late 2025 on the Macao Science Center website.
- **Training date:** To be announced (please refer to the website for updates)
- **Training venue:** FABLAB, Exhibition Center, Macao Science Center
- **Registration link:** Refer to Section 6B above
- **Registration and submission deadline*:** From now until **7 January 2026 (Wednesday)**
**The cloud drive link must be uploaded during online registration.*

- **Announcement of semifinalists:** 28 January 2026 (Wednesday) on the Macao Science Center website.
Shortlisted teams are required to attend a presentation session on the day of the semifinal.
- **Semifinal date:** 7 February 2026 (Saturday)
- **Semifinal venue:** Meeting Room 3–4, Convention Center, Macao Science Center

Event V. “BeiDou UAV Programming and Application Innovation Competition”

This event offers optional training sessions. Due to limited quotas, final participants will be selected by drawing lots.

- **Announcement of training participants:** 18 October 2025 (Saturday) on the Macao Science Center website.
- **Training date:** 1 November 2025 (Saturday) , 14:00–16:00
- **Training venue:** FABLAB, Exhibition Center, Macao Science Center

- **Registration link:** Refer to Section 6B above
- **Registration period:** From now until **7 January 2026 (Wednesday)**
- **Announcement of finalists:** 28 January 2026 (Wednesday) on the Macao Science Center website.
- **Competition date:** 7 February 2026 (Saturday)
- **Competition venue:** Convention Hall, Convention Center, Macao Science Center

7. Other Provisions

- A. The content of submitted works must be healthy, free of pornography or violence, and must not violate the laws and regulations of the Macao SAR.
- B. The primary language for all entries must be Chinese. A brief English description may be included if desired.
- C. All submissions must be original. Participants shall bear full legal responsibility for any infringement. The Organizer reserves the right to disqualify the participant and reclaim any awarded prizes.
- D. Entries must not contain any copyrighted content (animations, images, music, etc.) not owned by the participant. If such content is used, the source must be clearly stated at the end of the submission and a list of sources must be submitted to the Organizer.
- E. Participants must comply with the *Personal Data Protection Act* of the Macao SAR. If any person’s image or voice is featured in the work, their prior consent must be obtained (except for non-identifiable appearances in public settings).
- F. All intellectual property rights and copyrights of submitted works, regardless of whether the work wins an award, shall be unconditionally transferred to the Organizer, including all derivative rights and benefits.
- G. Award winners must cooperate with the Organizer in further refining or modifying their works upon request. If no modifications are desired, participants must state this clearly on the registration form.
- H. The Organizer reserves the right to use all entries for promotion, publicity, or related activities without prior notice or remuneration.

- I. Once registration is complete, all participants are deemed to have agreed to the competition regulations and final results.
- J. If the judging panel determines that a submitted work does not meet the required standard, the Organizer reserves the right not to issue an award.
- K. The Judging Panel will comprise representatives of the Organizer and professionals or academics in relevant fields. All rankings are based on the scores assigned by the panel. Awards may be left vacant at the panel's discretion.

8. Award Distribution

The awarding of prize money will be arranged and announced after the competition.

9. Disclaimer

- A. Entries that do not comply with these regulations will not be evaluated. The Organizer will not provide individual notification to the disqualified teams.
- B. The Organizer bears no responsibility for damage, loss, incompleteness, illegibility, delay, or non-delivery of entries caused by circumstances beyond its control.
- C. The Organizer reserves the right to cancel the competition, amend the regulations, or disqualify participants engaging in misconduct.
- D. In the event of any dispute, the Organizer reserves the right of final decision.

10. Contact and Enquiries

- For enquiries, please contact:
Ms. Lam at (853) 8795 7249 or Mr. Chan at (853) 8795 7393, and through email at mutimedia@msc.org.mo.
- All personal data collected will be used solely for the purposes of this competition and will be destroyed after the event concludes.