2026

BRICS SKILLS COMPETITION

(BRICS+ FUTURE SKILLS & TECH CHALLENGE)

Low-altitude Intelligent Aircraft Application

BRICS-FS-64

Technical Description

(International Final_Online)

June , 2026

Contents

1. Event Introduction

1.1 Basic Event Information

Event Name: 2026 BRICS Vocational Skills Competition (BRICS Future Skills and Technology Challenge)

Event Title: Low-Altitude Intelligent Aircraft Application

Event Code: BRICS-FS-64

Competition Format (Participants): 2 participant

Event Type: International Final

1.2 Brief Event Description

The Low-Altitude Intelligent Aircraft Application Event of the 2026 BRICS Vocational Skills Competition (BRICS Future Skills and Technology Challenge) is launched under the backdrop of the BRICS initiative "Fostering High-Quality Partnership for a New Era of Global Development". It is a large-scale competition dedicated to talent training in intelligent aircraft application and related fields. The competition platform deployed in this event is built on real engineering scenarios of intelligent aircraft application, forming a full-process platform integrating "theoretical cognition and industrial application". It aims to boost the development and popularization of more advanced and intelligent UAV technologies among BRICS countries.

This event deeply integrates multidisciplinary knowledge and skills such as UAV,

electronics, computer and artificial intelligence, and incorporates typical applications of intelligent aircraft products from modern enterprises into the event. Aiming at the typical application directions and job positions in the intelligent aircraft industry, it cultivates the intelligent aircraft application skills of students from BRICS countries, achieves the goal of promoting teaching and learning through competition, guides the construction and teaching reform of low-altitude related majors in schools, and comprehensively improves the quality of education and teaching.

This is a two-player event. Competitors must complete the UAV multi-industry application simulation flight module at designated workstations.

2. Skill Standards

This event centers on intelligent aircraft application, and puts forward systematic requirements for contestants' theoretical foundation, engineering cognition, practical operation ability and professional literacy, emphasizing the core competency of "mastering principles, excelling in operation, being capable of analysis, and abiding by standards".

2.1 Professional Knowledge Requirements

Contestants shall master the basic theories and professional knowledge related to intelligent aircraft application, mainly including:

1. UAV Structure and System Knowledge

(1) Basic knowledge of aerodynamics and UAV flight principles;

(2) UAV structure composition and functions of each system;

(3) Process flow and operation methods for UAV assembly and debugging;

(4) Process flow and operation methods for UAV inspection and troubleshooting;

(5) Process flow and operation methods for UAV system maintenance and upkeep.

2. Intelligent Aircraft Application Knowledge

(1) Theoretical knowledge and practical operation methods of UAV control technology;

(2) Ability to correctly select and configure UAVs and payloads according to task requirements;

(3) Usage methods of industrial-grade UAVs, UAV airports and cloud platforms;

(4) Aeronautical meteorology knowledge.

3. Quality Management and Safe Operation Knowledge

(1) Safe Operation During UAV Application;

(2) Relevant knowledge of electrical safety awareness, fire safety, green production, etc;

(3) UAV safe operation and occupational health protection.

2.2 Professional Skill Requirements

Contestants shall have practical operation ability and comprehensive technology

application ability highly compatible with intelligent aircraft application positions, including but not limited to:

1. Professional Literacy

(1) Ability of inquiry learning, problem analysis and problem solving;

(2) Good verbal, written expression and communication skills;

(3) Quality awareness, environmental awareness, safety awareness, information literacy, craftsman spirit and innovative thinking;

(4) Ability of UAV virtual data collection and analysis.

2. Intelligent Aircraft Application Ability

(1) Ability of UAV route planning and software system operation;

(2) Proficient UAV control skills and payload equipment operation ability;

(3) Ability of UAV industry application operation;

(4) Ability of UAV virtual data collection and analysis.

3. Competition Content

3.1 Competition Modules

The competition will be conducted online, and competition contents will be released in the form of online task briefs.Competition Module: UAV Multi-industry Application Simulation Flight Module (240 minutes)

UAV Multi-Industry Application Simulation Flight Module (240 minutes, 100 points)

(I) Key Assessment Content:

UAV control and operation capabilities in simulation environments such as basic UAV control, emergency rescue, logistics transportation, public law enforcement, water conservancy inspection, geological and environmental protection, and forestry monitoring. Each industry application scenario simulates real operation environments and task requirements, and assesses contestants' control accuracy, mission planning ability and compliance with industry standards.

(II) Task Description:

Contestants shall clarify the task content and requirements according to the task list in the test paper, and complete the full-process operation content of UAV simulation flight missions under multiple different industry applications, including pre-mission preparation, UAV mission operation, data collection and processing, in strict accordance with the task steps and task specification standards of the relevant software in the simulation environment.

Task examples for each industry application scenario:

Task Type	Typical Task Scenarios	Key Assessment Content
UAV Basic	Triangle Area Image	Control the UAV to perform target

Control Training	Capture;Hexahedron Image Capture;Heat Source Target Capture;Material Dropping	capture or payload dropping in the designated area, including precise UAV control, gimbal control, payload operation and obstacle avoidance capability.
Emergency Rescue	Mountain Search and Rescue;Forest Fire Rescue;High-rise Building Rescue	The assessment covers task understanding and planning ability, correct assembly of UAV and payload, parameter setting and control of equipment and payload, UAV flight control accuracy and obstacle avoidance, search and positioning efficiency, as well as quality and timeliness of information collection.
Logistics Transportation	Cross-regional Transportation of Medical Materials;Mountain Logistics Transportation	The assessment covers task understanding and planning ability, correct assembly of UAV and payload, parameter setting and control of equipment and payload, UAV flight control accuracy and obstacle avoidance, flight efficiency and accuracy, as well as safe and accurate

		transportation of goods.
Public Law Enforcement	Investigation and Evidence Collection;Public Security Patrol	The assessment covers task understanding and rapid response, correct assembly of UAV and payload, parameter setting and control of equipment and payload, UAV flight control accuracy and obstacle avoidance, accurate collection and processing of evidence, as well as flight safety and operation compliance.
Water Conservancy Inspection	Water Administration Law Enforcement;Reservoir Inspection	The assessment covers task understanding and project creation, flight area design, area route planning and waypoint route planning, standardized operation of the UAV cloud platform and flight mission execution, image capture quality, as well as image marking and sharing.
Geological and	Water Sampling;Air Monitoring	Complete pre-operation preparation for the UAV, including assembly of

Environmental Protection		sampling and monitoring equipment; correctly set flight parameters and check equipment status according to the Task Book, then start the UAV to fly to the designated sampling point, perform water sampling operation and return to the takeoff and landing point safely; plan the monitoring route according to the Task Book, conduct systematic pre-flight inspection, set air monitoring payload parameters, execute the preset route flight mission, and ensure the real-time accuracy of equipment status and data collection during the process.
Forestry Monitoring	Fire Prevention Patrol and Monitoring;Forest Area Law Enforcement Patrol	Complete project creation and mission preparation, including drawing custom flight zones, enabling terrain obstacle avoidance, planning waypoint-based law enforcement routes for UAVs, setting the camera to face vertically downward and enabling intelligent recognition, equal-interval photography functions, configuring route parameters

		and creating a leapfrog operation plan; During mission execution, monitor the UAV takeoff, flight along the preset route and leapfrog site transfer process in real time to ensure stable flight status; After the mission is completed, mark abnormal points through image recognition.

3.2 Time Allocation and Score Weight of Competition Tasks

Module	Duration(min)	Score	Weight
UAV Multi-Industry Application Simulation Flight Module	240	100	100%

4. Scoring Standards

4.1 General Idea of Scoring Design

The scoring of this competition event strictly adheres to the principles of vocational education characteristics, engineering application orientation and core post competencies. It adopts a systematic, modular and quantifiable scoring system covering the entire workflow of intelligent aircraft application tasks.The scoring highlights core capabilities including reliable integrated deployment and efficient

platform operation, with primary assessment on contestants' practical capabilities in industrial intelligent UAV applications.The scoring framework is designed to be fair, impartial, transparent, operable and reviewable. The weight distribution of scores for all modules is highly consistent with the core competency requirements of relevant industrial posts.

4.2 Scoring Modules and Score Composition

The module scores and scoring indicators are as follows:

Event Module	Assessment Indicators	Score	Weight
UAV Multi-Industry Application Simulation Flight Module	UAV Basic Control: 10 points in total	100 points	100%
	Emergency Rescue: 15 points in total		
	Public Law Enforcement: 15 points in total		
	Logistics Transportation: 15 points in total		
	Water Conservancy Inspection: 15 points in total		
	Geological and Environmental Protection: 15 points in total		

	Forestry Monitoring: 15 points in total		

4.3 Design of Module Scoring Key Points

Module 2: UAV Multi-Industry Application Simulation Flight Module (100 points, accounting for 100% of the total score)

This module is automatically scored by the SR-IT1 UAV Multi-Industry Mission Virtual Simulation Training and Assessment System. The system conducts comprehensive evaluation based on the following dimensions:

1.Task Completion Degree: Whether all operation steps and content required by the Task Book have been completed.

2.Task Completion Degree: Whether all operation steps and content required by the Task Book have been completed.

3.Route Planning and Parameter Accuracy: Accuracy of route planning waypoints and correctness of parameter settings.

The full score for basic operations is 10 points, and each industrial application scenario carries a full score of 15 points, with a total score of 100 points.

4.4 Design of Scoring Method

The system performs automatic scoring without intervention from referee experts. The system will display the score immediately after submission and record the answering time.

All review materials are uniformly encrypted and anonymized for blind evaluation.

The scoring shall be implemented strictly in accordance with the standards announced before the competition, with no temporary adjustment or artificial relaxation.

4.5 Design of Score Synthesis and Ranking Rules

1.Rankings are determined by total score in descending order.

2.Contestants with the same total score will be ranked higher if they spend less time completing the competition tasks.

5. Skill Management and Communication

5.1 Expert Panel

The skill expert panel consists of the chief expert, deputy chief expert and expert members, who are jointly responsible for further revising the technical documents related to this event. The unit where the chief expert works shall not send participating teams to compete in this event.

5.2 Referee Panel

The BRICS Vocational Skills Competition implements the "Chief Expert Responsibility System", which means the chief expert can concurrently serve as the chief referee. Referee panel members are selected from experts of participating colleges and enterprises across the country with rich teaching and practical experience.

After unified training and qualification assessment by the expert panel, they participate in refereeing and strictly implement the recusal system. According to their responsibilities, the referee panel is divided into encryption referees, on-site referees and scoring referees, each performing their own duties without concurrent positions, and are supervised by the arbitration panel throughout the process.

5.3 Arbitration Panel

The arbitration panel consists of third-party supervisors. It supervises the refereeing work and conducts random inspection and review of results throughout the process, accepts written appeals from participating teams and organizes reconsideration, verifies and handles violations during the competition,

and ensures the fairness and impartiality of the event.

5.4 Technical Support Team

It consists of relevant technical personnel from the technical support unit and technical backbones of the platform supplier. It is responsible for competition platform support, equipment debugging, fault handling and technical Q&A throughout the process, to ensure the stable, safe and smooth operation of the competition system.

5.5 Event Execution Working Group

It consists of staff from the Chinese organizer, executive contractor, co-organizer and technical support unit of the BRICS Vocational Skills Competition. It undertakes all tasks of event execution, and is responsible for the full-process implementation including event organization, training implementation, publicity and promotion, score

statistics, logistics coordination, etc., to ensure the event progresses as planned.

5.6 Official Communication

For questions related to competition registration, software and hardware preparation, examination environment deployment, etc. before the competition, participating units can join the QQ communication group for the Low-Altitude Intelligent Aircraft Application event for communication and discussion. Training exchanges, pre-competition, during-competition and post-competition exchanges for this event can also be conducted through the official communication group.

Official QQ Group: 468652252 (All participating units are requested to carefully verify the source of information in the group and beware of fraud.)

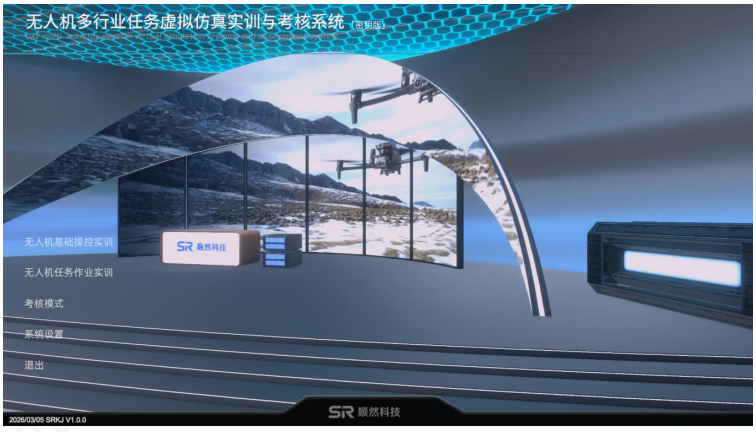
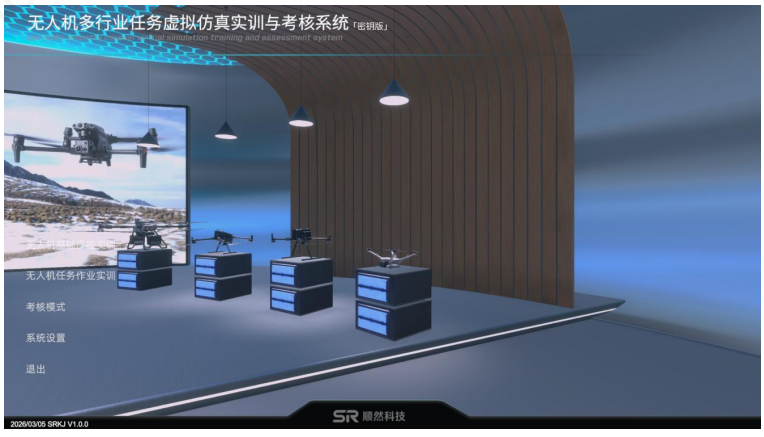
6. Competition Materials and Equipment

6.1 Competition Equipment List

6.1.1 Technical Platform

No.	Platform Name	Quantity	Remarks
1	SR-IT1 UAV Multi-Industry Mission Virtual Simulation Training and Assessment System	1	

6.1.2 Specifications

Name of Technical Platform (Equipment & Instrument)	Model	Technical Parameters
UAV Multi-Industry Mission Virtual Simulation Training and Assessment System	SR-IT1	  1.The system is developed based on 3D graphics technology, physics engine and aerodynamic algorithms. It takes national standards and industry standards such as

		UAV Pilot, Vocational Skill Level for UAV Operation and Application, Vocational Skill Level for UAV Shooting, Vocational Skill Level for Logistics UAV Operation and Maintenance and Vocational Skill Level for UAV Driving as the basic technical development basis, conforms to skill assessment specifications, and meets the needs of practical training and assessment. 2.The system includes ≥4 different models of mainstream industrial-grade UAVs in the market, as well as 1:1 high-precision simulation models of mainstream UAV airports and UAV cloud platforms. It is equipped with matching simulation models of UAV mission payloads, covering gimbal cameras, infrared cameras, loudspeakers, lighting lamps, gas collection devices, water sampling devices, dropping devices, fire extinguishing bomb devices, etc. All payload functions, operation logic and operation effects fully match the real industry application of actual UAVs. 3.The system is operated via real remote controller connection, and is equipped with a remote controller linkage debugging interface. It supports ≥6 mainstream brands of remote controllers, and allows function assignment for joysticks, dials, switches, buttons and other

		components of the remote controller before virtual simulation training. With precise aerodynamic design and advanced physics engine, the system connects with real remote controllers to deliver realistic UAV control feel. The 3D remote controller debugging interface supports functions such as real-time UAV attitude viewing and timely feedback of remote controller channel debugging status. It supports special function assignment for 6 or more types of real remote controllers, including view switching control and other functions. 4.The system supports mainstream industrial-grade remote controllers, supports two-way data communication and two-way control between industrial-grade remote controllers and the system, and supports function assignment for each channel of the remote controller, including Follow/Operator/FPV view switching, zoom and infrared camera switching, gimbal focal length zoom in/out, gimbal camera switching, gimbal vertical flip, photo capture, gripper opening and closing, rope lowering and recovery, etc. 5.The system includes UAV basic control training, covering triangle area image capture, hexahedron image capture, heat source target capture, material handling,

		material dropping, water sample transportation, etc. 5.1.The system is equipped with a triangle area image capture module, which supports selection of multiple industrial-grade UAV models; it has a built-in random parameter generation function, which automatically generates differentiated shooting sequences for each training session to improve training randomness and assessment diversity. It fully replicates real gimbal functions: supports gimbal vertical reversal, stepless zoom of camera focal length, and precise shooting; it has a built-in gallery management system, supporting real-time preview, local saving and deletion management of training photos. 5.2.The system is equipped with a heat source target capture module, which supports physical buttons on real remote controllers to control the on/off of infrared heat source functions. It is equipped with a high-precision heat source simulation algorithm, and the heat source display brightness, range and temperature difference effect are consistent with real infrared equipment. It supports random generation of heat source target points in training scenarios to simulate heat source search scenarios in complex environments; it has a built-in flight training

		evaluation system, which evaluates the results of each flight in real time and supports export of flight training reports. 5.3.The system's material handling module supports real remote controller channels to control the lifting and grabbing functions of rope hooks. The material handling area is randomly designated, and prompts and detections are provided for material dropping height and area. It has a material dropping function module, which supports real remote controller channels to control the on/off of the dropper. There are three difficulty levels of dropping targets available, and targets with higher difficulty yield higher scores. 6.The system includes UAV multi-industry mission training, covering modules such as mountain search and rescue, forest fire rescue, high-rise building rescue, cross-regional transportation of medical materials, mountain logistics transportation, water sampling and detection, gas sampling and detection, investigation and evidence collection, public security patrol, fire prevention patrol and monitoring, forest area law enforcement patrol, water administration law enforcement, reservoir inspection, etc. All modules fully fit the real operation

		processes of the industry. 6.1.The system includes a mountain search and rescue module, which includes pre-operation preparation for UAVs, conforming to the assembly and debugging process of real industry UAVs, including payload assembly, etc. It has a built-in standardized pre-flight inspection process and PSDK task menu parameter setting function; it supports emergency rescue voice recording, local storage and on-site playback functions. The system supports task guidance functions, including corresponding step prompts, operation highlight prompts, and location prompts for the person being searched and rescued. It supports laser marking, shooting functions of UAV payloads and image upload functions. 6.2.The system includes a high-rise building rescue module, which supports free switching training between two types of UAVs: reconnaissance UAV and fire-fighting UAV. The reconnaissance UAV supports functions such as building hidden danger investigation, fixed-point shooting, target marking and point recording. The fire-fighting UAV supports fast loading and precise throwing of fire extinguishing bombs, restoring the real process of high-rise building fire rescue.

		6.3.The system includes a cross-regional medical material transportation module, with a built-in simulation adjustment function for mission payload center of gravity, which simulates the center of gravity balance debugging of real material loading. It supports UAV flight parameter inspection and custom parameter setting, and supports functions such as online route recording, flight trajectory point marking, one-click route steering, route saving, automatic route execution, supporting waypoint route checklist, waypoint parameter verification, and route upload management. 6.4.The system includes a mountain logistics transportation module, covering industrial-grade UAVs that meet the requirements of wheelbase ≥2330mm, dual-battery on-board batteries, dual-folding arms and UAV aerial suspension system. It includes the standardized pre-operation assembly process of industrial-grade UAVs: full-simulation steps such as fuselage installation, buckle fastening, battery connector inspection, arm unfolding and locking, propeller unfolding, and propeller clamp fastening. It supports custom setting of logistics route planning parameters, manual marking of loading points and unloading points, and one-click navigation to target points. The aerial

		suspension system simulates UAV aerial loading operations, and supports remote controller control of rope retracting, rope releasing, hook opening and closing, and material fixing and releasing. 6.5.The system includes a water administration law enforcement module, which includes UAV cloud platform functions, supporting UAV cloud platform project creation, custom flight zones, terrain obstacle setting, and area route creation. Route creation includes functions such as route type selection, aircraft selection, model selection, accessory selection and route name setting. It includes route parameter setting functions, such as reference takeoff point setting, route area planning, route parameter setting and route saving. Route parameter setting also supports collection mode setting, including GSD setting, safe takeoff height, route height mode, route speed, whether to enable high-level optimization and completion actions, etc. The system includes functions of creating plans, setting plans and executing plans; it includes parameter settings such as plan name, execution route, execution equipment, task accuracy, task strategy, and lost connection during route flight. It includes aerial survey data upload and model reconstruction functions, including parameter settings such as model name, reconstruction

		photo selection, reconstruction type, and preview function of reconstructed models. It includes waypoint route setting and planning, including route parameter setting, supporting shooting setting, climb, route height mode, and route speed. It also includes waypoint camera angle setting, which allows users to control the UAV icon in the 3D map via mouse and keyboard to select waypoint positions and set angles. It also includes enabling intelligent recognition function, including alarm condition and trigger action setting. It includes aerial survey image browsing and marking functions, allowing manual frame selection and text marking on images, and supporting image upload and QR code sharing. 7.Full-scene randomized training parameters: target points, operation areas and task parameters are randomly generated, eliminating fixed-process training and fitting actual combat assessment requirements. 8.The software supports multi-language switching function, including switching between Chinese, English, Russian, Portuguese, Arabic, Spanish, Hindi and other language versions.

6.2 Materials and Equipment Prohibited in the Skill Area

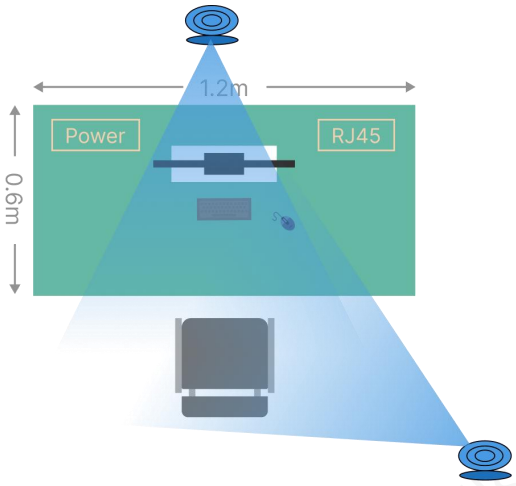
Contestants are prohibited from bringing and using any items unrelated to task execution or that may bring unfair advantages to competitors, which will be supervised by experts online in real time.

6.3 Recommended Competition Area and Workstation Layout

1.For specific requirements of the competition area, please refer to the layout drawing of the online remote competition.

2.At least two cameras with smooth network and stable performance shall be arranged in the online competition venue as shown in the layout drawing: one facing the contestant to capture the full body, and another positioned at the rear side to record the contestant’s screen.

3.Contestants shall record the entire screen throughout the online competition, and live stream both the screen recording and camera footage in the designated ZOOM meeting room in accordance with the requirements issued by the competition organizing committee before the competition.



7. Competition Questions

The expert panel will release the sample competition questions and scoring standards through the designated QQ group of the competition one month before the official competition, ensuring that 80% of the question types and 80% of the question ideas are consistent with the official competition.

8. Appeals and Arbitration

The event is equipped with an arbitration panel responsible for supervision, appeals and arbitration. If there is unfairness or violations by relevant personnel during the competition, the participating team shall submit a written report signed by the team leader to the event arbitration panel within 2 hours after the end of the current competition.

The written report shall fully and truthfully describe the phenomenon of the appealed incident, occurrence time, personnel involved, appeal basis, etc. Non-written

appeals will not be accepted. The event arbitration panel shall organize reconsideration within 2 hours after receiving the appeal, and promptly feedback the reconsideration result in written form.

The ruling of the arbitration panel is final.

9. Competition Instructions

9.1 Instructions for Contestants

1.Contestants shall truthfully fill in personal information in accordance with relevant requirements, otherwise their competition qualification will be cancelled.

2.Contestants shall participate in the competition with the uniformly printed competition certificate and valid ID card, and participate in the competition at the time, sequence and place specified by the event.

3.Contestants shall carefully study and understand the relevant documents of this competition, consciously abide by the competition discipline, obey commands and arrangements, and participate in the competition in a civilized manner.

4.Contestants are not allowed to bring any electronic equipment, communication equipment or other materials into the competition venue.

5.During the competition, no operation shall be started before receiving the start signal. All participating teams shall complete the competition items at the designated workstations, and cheating is strictly prohibited.

6.Matters not covered herein shall be ruled by the on-site referee panel.

9.2 Instructions for Supervising Experts

1.Supervising experts (teachers) shall reasonably formulate training plans according to professional teaching plans and event regulations, carefully guide contestants' training, cultivate contestants' comprehensive professional ability and good professional literacy, overcome utilitarian ideas, and avoid learning for competition and replacing learning with competition.

2.Supervising experts (teachers) shall timely check the notices and contents of the event on the competition special website, carefully study and master the regulations, technical specifications and venue requirements of this event, and guide contestants to make all technical and competition preparations before the competition.

3.Supervising experts (teachers) shall handle the insurance for contestants according to the requirements of event regulations, and actively carry out safety education for contestants.

4.Supervising experts (teachers) shall not violate event regulations to enter the competition venue and interfere with the normal progress of the competition.

5.If the participating team has objections to the competition process, the team leader shall submit a written report to the event arbitration working group within the specified time.

6.The team leader shall take the lead in obeying and implementing the arbitration result of the appeal, and do a good job in guiding contestants. Contestants shall not stop the competition due to appeals or dissatisfaction with the handling opinions, otherwise it will be treated as abstention.

9.3 Instructions for Staff

1.Obey the leadership of the event organizing committee, abide by professional ethics, adhere to principles, handle affairs in accordance with regulations, and earnestly achieve strict, serious, fair, accurate and civilized refereeing.

2.Do a good job with a high sense of responsibility, serious attitude and rigorous and meticulous style. Be familiar with competition rules, carefully implement competition rules, and strictly handle affairs in accordance with work procedures and relevant regulations.

3.Wear referee badges and referee uniforms, keep neat appearance, be civilized and polite in language and behavior, and accept supervision from arbitration panel members and participants.

4.During the competition, keep competition secrets, and shall not disclose or imply competition secrets to team leaders, supervising teachers and contestants of participating teams.

5.Strictly abide by the competition time, and shall not advance or extend it without authorization.

6.Strictly implement competition discipline. In addition to the competition instructions that should be explained to contestants, shall not imply or answer questions related to the competition to contestants, let alone guide or provide convenience to contestants.

7.Implement the recusal system, and shall not contact or communicate with

contestants and relevant personnel.

8.Stick to the post, do not be late or leave early.

9.Supervise contestants' compliance with competition rules and safety operation procedures, shall not interfere with contestants' competition without reason, and correctly handle problems arising in the competition.

10.Follow the principle of fairness and impartiality, maintain venue discipline, and truthfully fill in venue records.

10. Competition Awards & Commendations

1.Gold, Silver, Bronze and Merit Medals All participating teams from BRICS and partner countries are ranked together.The top 6 domestic and international teams will be awarded gold, silver or bronze medals plus corresponding certificates respectively.Offline teams with outstanding results that do not win gold, silver or bronze medals will receive merit medals and certificates, with a maximum quota of 3 teams.

Detailed medal awarding rules are as follows:

(1) The top-ranked team from each participating country is eligible for gold medal ranking, and the overall top-ranked team will be awarded the gold medal.

(2) Excluding gold medal-winning teams, the highest-scoring team from each participating country qualifies for silver medal ranking; the top 2 teams in this ranking will receive silver medals.

(3) Excluding gold and silver medal-winning teams, the highest-scoring team

from each participating country qualifies for bronze medal ranking; the top 3 teams in this ranking will receive bronze medals.

(4) Offline teams with outstanding performance that fail to obtain gold, silver or bronze medals will be awarded merit medals, limited to a maximum of 3 teams.

(5) Online international participating teams will not be issued physical medals; only corresponding medal certificates will be provided.

2.First Prize, Second Prize and Third Prize

For Chinese teams participating in the International Finals of the China Division, awards are set based on the rounding-off principle: First Prize accounts for 10%, Second Prize accounts for 20%, and Third Prize accounts for 30%.Corresponding international award certificates will be issued.All other teams will receive Merit Award certificates.

3.Other Awards

(1) International Referee Certificates will be granted to all on-site referees participating in judging work.

(2) International Outstanding Instructor Certificates will be awarded to instructors of teams winning First and Second Prizes.

(3) Units making outstanding contributions to the organization of the competition will be presented with plaques and certificates of the Outstanding Contribution Award.

(4) Provincial or regional preliminary competition organizers that actively organize participants, conduct pre-competition selection and training, and have no violations or disciplinary incidents during the competition will be issued Excellent Organization Award certificates.

4.Skill Passport Contestants whose team’s total score reaches 60 points or above (based on a 100-point scoring system) may voluntarily apply for the Class A "Skill Passport" certificate (see the subsequent application notice for details).

11. Violation Handling Regulations

In order to enforce competition discipline and ensure the openness, fairness and impartiality of the competition process, the following handling measures shall be taken for personnel violating competition discipline:

1.If a contestant is found to be ineligible for registration, impersonating another person or engaging in fraud, the contestant's competition qualification shall be cancelled after verification by the competition office. For those who have won awards, their award qualification shall be cancelled, they shall be ordered to return the certificates and prizes they have won, and the situation shall be announced to the public through media.

2.Contestants who have any of the following circumstances shall be given a zero score in the competition:

(1) Illegally reading materials such as books, notes and slips during the examination;

(2) Cheating behaviors such as whispering, peeking and hinting in the examination room;

(3) Carrying or using communication tools during the competition;

(4) Forcibly answering or operating after the referee announces the end of the competition according to the competition requirements;

(5) Refusing to obey the referee's ruling, disturbing the competition order and affecting the competition process with serious circumstances;

(6) Other violations of competition rules and refusing to listen to dissuasion.

3.For non-participating personnel of each representative team who violate discipline, they shall be given warnings or circulated criticisms depending on the severity of the circumstances, and the competition organizing committee shall decide whether to circulate a notice to their units depending on the severity of the circumstances.

4.For referees and staff who violate competition discipline, the chief referee shall give them a warning or cancel their qualification depending on the severity of the circumstances after verification by the competition organizing committee.

5.Referees shall promptly correct contestants engaging in irregular operations and deduct corresponding operation scores at their discretion.

6.Before the competition, contestants shall conduct safety inspections. Any detected issues shall be resolved promptly; unsolvable problems must be reported to referees in a timely manner, who will make judgments and coordinate solutions according to actual conditions. Actual operations can only commence upon approval from referees after all preparatory work is completed.