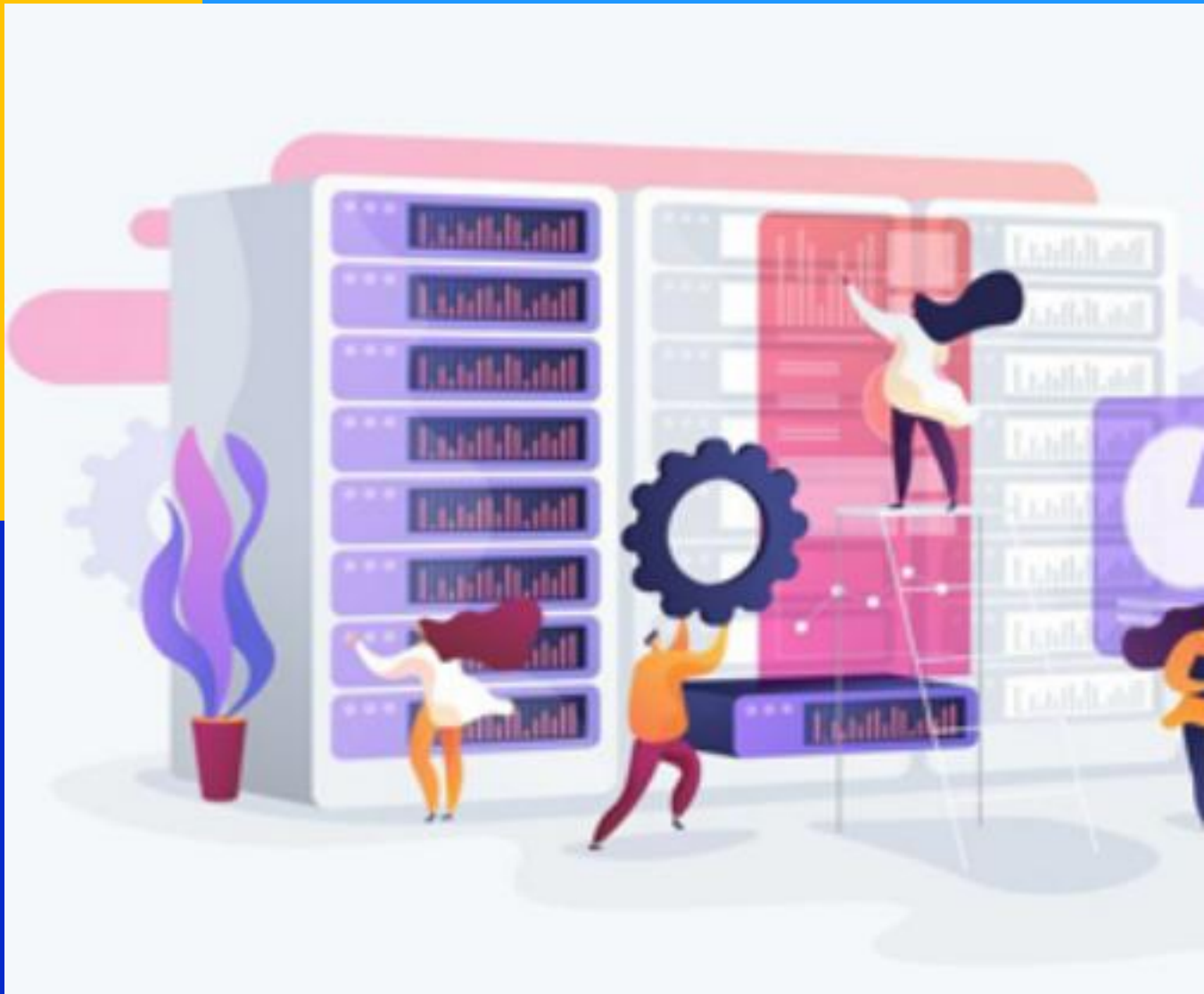




BRICS
2022 CHINA

2022 BRICS Skills Competition

(BRICS Future Skills Challenge)



TECHNICAL DESCRIPTION

IT Network Systems Administration (Offline)

Table of contents

I. Project introduction	2
(I) Project description	2
(II) Competition purpose	2
(III)Participants	3
(IV)Relevant documents	3
II. Abilities required of contestants	3
III. Competition items	6
(I) Competition module	6
(II) Module description	7
(III)Proposition scheme	9
IV. Scoring criteria	10
(I) Scoring method	10
(II) Scoring procedure	11
(III)Score calculation	11
(IV)Composition and grouping of referees	12
V. Competition related facilities and equipment	14
(I) Competition technology platform standard	14
(II) Environmental requirements	14
(III)Equipment list	16
VI. Competition instructions	17
(I) Before the competition	17
(II) In the competition	17
VII. Venue layout requirements	18
VIII.Health, safety and green environmental protection	19
(I) Competition environment	19
(II)Safety requirements	19
(III)Environmental protection	20
(IV)Epidemic prevention and control	20

I. Project introduction

(I) Project description

IT network system management competition is to train the network system management skills as a starting point, focus on the development direction of IT network, connect with the new concept of skill competition, support the new business form of tertiary industry and the new mode of digital enabled modern service industry under the background of digital economy and sharing economy, and lead the innovation and development of network system application technology through "promoting learning, training, construction and reform through competition". Based on the typical tasks of four stages, including network cabling and equipment configuration, operating system network service configuration, cloud network construction and operation and maintenance, and network security management, the competition investigates the contestants' skills in overall network design and implementation, network equipment configuration, cloud technology construction and application, security protection and so on.

Through the form of skill competition, cultivate the core skills of contestants in the field of information-based whole network integration under the environment of enterprise real project, such as network planning and implementation, basic information configuration of network equipment, scheme of building network and deploying information system by applying cloud technology, building mobile Internet and realizing wireless network optimization, network security protection; cultivate the contestants' comprehensive ability, adaptability and professional quality; promote and guide the reform and development of IT network related majors in vocational colleges; promote the reform and innovation of talent training mode combining competition with learning. From the two aspects of post talents and reserve talents, promote the integration with the latest post skills and create a social atmosphere advocating skills.

(II) Competition purpose

This competition will promote in-depth cooperation and exchanges among BRICS

2022 BRICS Skills Competition (BRICS Future Skills Challenge)

countries in the field of education, build an event platform with high standards and distinctive characteristics of vocational education, and achieve the goal of cultivating international, high-tech and future technical talents for the implementation of the BRICS countries "Xiamen Declaration", "Johannesburg Declaration", of Brasilia Declaration," "Moscow Declaration", and "Delhi Declaration" about skill development work in related spirit, and implement the initiative to hold a BRICS Skills Competition proposed by President Xi Jinping at the 13th BRICS Summit.

The purpose of the BRICS Skills Competition IT Network System Management Trial is to show the high-quality skills of the current and future IT network system management industry, and improve the training level of IT network system management technical skills talents through the setting of competition items.

(III) Participants

IT network system management competition is a team skill with two Competitors per team. Competitors aged 16 to 35 inclusively may take part in the Competition/Challenge.

(IV) Relevant documents

The technical work document of the project contains relevant information of the technical work of the project. In addition to reading this document, the competition of this skill project also needs to be used together with the competition guide, competition rules, instructions for the use of equipment and tools, relevant documents of technical work forum, etc.

II. Abilities required of contestants

This competition is a demonstration and evaluation of IT network system management skills. Contestants need to demonstrate IT network system management skills in accordance with IT network system management skills standards and specifications (or requirements).

Standards and specifications	
1	Network cabling and equipment configuration
	<p>Should know and understand:</p> <ol style="list-style-type: none"> 1) Be familiar with generic cabling plan and system diagram, including construction drawings of multiple buildings, management rooms and working areas 2) Be familiar with network star topology, network IP address and classification 3) Be familiar with the actual business scenarios and understand the use of materials required for wiring engineering 4) Be able to make detailed drawings of generic cabling cabinet installation and port comparison table 5) Be able to select router, switch, wireless AP, wireless controller, export gateway and other equipment, and build and configure the network environment 6) Be familiar with common network fault problems and understand the methods of rapid troubleshooting 7) Be able to write Python script to realize automatic operation and maintenance
	<p>Shall be able to:</p> <ol style="list-style-type: none"> 1) collect the actual needs of users, reasonably plan the network address and construct the network extension diagram 2) organize the network wiring design of many buildings and work areas, and accurately design the statistical table of the number of information points of building generic cabling 3) accurately budget the materials according to the materials and quantity required by the generic cabling project 4) configure the network environment in detail, and correctly configure switches, routers, unlimited APS, wireless controllers, export gateways and other network equipment 5) handle common network faults and troubleshoot through network diagnosis tools 6) write Python language to assist in automatic operation and maintenance
2	Cloud network construction and operation and maintenance
	<p>Should know and understand:</p> <ol style="list-style-type: none"> 1) Be familiar with the basic knowledge of network principle and simple bash-shell scripting skills 2) Virtualization technology related to KVM 3) The principle of OpenStack, and the later deployment and combination of various components 4) Understand the implementation of core services such as Nova, Swift, Neutron and Cinder 5) know the troubleshooting logic and methods of OpenStack, and know how to locate problems and solve problems in the later process of operation and maintenance of OpenStack

	<p>Shall be able to:</p> <ol style="list-style-type: none"> 1) Be proficient in system management, network, storage, system maintenance and other operations 2) Be familiar with relevant modules of openstack and Nova / neutron 3) Be proficient in Linux system and correctly deploy nova, neutron, heat, ceilometer and other components 4) Correctly deploy and debug the system tools and components used at the bottom to solve common problems
3	Operating system network service configuration
	<p>Should know and understand:</p> <ol style="list-style-type: none"> 1) Can understand the basic knowledge of the operating system 2) Can understand and understand rights management and other system management technology 3) Familiar with common application service construction methods 4) Familiar with the network configuration methods of the operating system 5) Familiar with the basic security knowledge of the operating system
	<p>Shall be able to:</p> <ol style="list-style-type: none"> 1) Proficient in operating and configuring mainstream systems 2) Proficient in using common commands of the system 3) Familiar with building nginx, Redis, mysql and other common application services 4) Able to locate and solve common system faults. 5) Familiar with basic network configuration and optimization of the system 6) Skilled in deployment and monitoring services, monitoring system resources, application services and commonly used middleware
4	Network security management
	<p>Should know and understand:</p> <ol style="list-style-type: none"> 1) Understand the operation principle and configuration strategy of network security tools such as firewall, Web application firewall, intrusion detection, anti-virus wall and vulnerability scanning 2) Understand the basic prevention knowledge of malicious code 3) Understand the skills of security audit analysis, and master the methods of traffic analysis and user behavior analysis 4) System patch management 5) Basic principles of anti-virus software 6) Emergency response measures for network security incidents 7) Investigation and evidence collection and system recovery

**2022 BRICS Skills Competition
(BRICS Future Skills Challenge)**

	<p>8) The concept of network security architecture, including topology, protocol, components and principles</p> <p>9) Cloud security related operational skills</p>
	<p>Shall be able to:</p> <p>1) configure protection strategies for different threats to network security equipment</p> <p>2) find and delete malicious code viruses</p> <p>3) scan and verify vulnerabilities in system applications</p> <p>4) configure the data backup strategy and recover the data according to the backup data</p> <p>5) use tools to detect and remove malicious code</p> <p>6) effectively prevent malicious code and vulnerabilities by means of patches, security policies and so on</p> <p>7) analyze malicious traffic behavior of security audit content</p> <p>8) identify common network attacks and system security events</p> <p>9) respond to network security events in time and recover the system in time</p>

III. Competition items

(I) Competition module

No.	Competition module	Competition content	Competition time
1	Network cabling and equipment configuration	Network wiring scheme design Configure and test network equipment Write Python script to realize automatic operation and maintenance	120 minutes
2	Cloud network construction and operation and maintenance	Basic operation and maintenance tasks OpenStack setup task OpenStack platform operation and maintenance OpenStack operation and maintenance development	180 minutes
3	Operating system network service configuration	System configuration and optimization, project implementation, automatic early warning	120 minutes
4	Network security	Security device deployment	180 minutes

**2022 BRICS Skills Competition
(BRICS Future Skills Challenge)**

	management	and configuration Network security vulnerability detection Cloud network security protection	
Total			600 minutes

(II) Module description

Module A: network cabling and equipment configuration

Score: 100 points

Competition time: 120 minutes

Competition task (1): network wiring scheme design.

Competition requirements:

Make actual drawings for multiple buildings, multiple management rooms and multiple work areas. According to the requirements of network environment, the network star topology diagram is designed, and the detailed drawing of generic cabling cabinet installation and port correspondence table are set.

Competition task (2): configure and test network equipment.

Competition requirements:

Perform general configuration on network devices, including routers, switches, and wireless APs. For the environment supported by hardware, be able to use the commands commonly used by network tools for configuration and inspection.

Competition task (3): write Python script to realize network test automation.

Competition requirements:

Use the common network library of Python to automatically complete the network configuration and management of the server, and can test and debug the network.

Module B: cloud network construction and operation and maintenance

Score: 100 points

Competition time: 180 minutes

Competition task (1): basic operation and maintenance task.

Competition requirements:

- (1) Configure the base environment for the node

Competition task (2): OpenStack construction task.

Competition requirements:

- (1) Install the software package on the node and deploy the OpenStack private cloud platform;
- (2) You can create networks and virtual machines in OpenStack by using the command line and dashboard.

Competition task (3): operation and maintenance of OpenStack platform.

Competition requirements:

Virtual network implementation mechanism is adopted to provide communication connection for nodes and security group rules are configured;

- (1) Virtual network implementation mechanism is adopted to provide communication connections for nodes and configure security group rules;
- (2) Create VMS on the openstack web client and select the preset image and configured security group rules for the VMS on the node.
- (3) Start VMS on the node to test the network connection of the VMS

Competition task (4): OpenStack operation and maintenance development.

Competition requirements:

- (1) Realize batch operation and maintenance of virtual machines;

Module C: operating system network service configuration

Score: 100 points

Competition time: 120 minutes

Competition tasks: System configuration and optimization and project implementation, automatic early warning.

Competition requirements:

- (1) Basic optimized configuration of the operating system:

System kernel optimization and adjustment of system default parameters, configuration network adapter.

(2) System application deployment:

Deploy application services and common middleware.

(3) Deploy network monitoring service and configure network automatic warning function.

Module D: network security management

Score: 100 points

Competition time: 180 minutes

Competition task (1): deployment and configuration of security equipment.

Competition requirements:

(1) Configure host security policies to enhance host defense capabilities.

(2) Configure firewall security policies to ensure Intranet security and stability.

(3) Configure a VPN to remotely access Intranet resources.

Competition task (2): network security vulnerability detection.

Competition requirements:

(1) Use the vulnerability scanning tool to detect the security of the target system, verify the vulnerability, and record the vulnerability after confirming the existence of the vulnerability.

Competition task (3): cloud network security protection.

Competition requirements:

(1) Use the cloud network security center protection policy to verify network attacks.

(III) Proposition scheme

The technical document of this project is based on the technical requirements of BRICS Skills Competition. If there are any amendments, the chief judge will make a few integrated revisions and announce them 7 days before the competition.

IV. Scoring criteria

(I) Scoring method

The scoring criteria of this item are divided into measurement and judgment. Those that can be expressed with objective data are called measurements, and those that require subjective description are called judgments.

i. Judgment (subjective)

Judgment mainly refers to the evaluation and scoring based on the opinions of the scoring referee. The scoring referee scores according to the scoring rules. Such evaluation is used to make subjective judgment on the quality of the evaluation object. At least three referees are required to participate in the evaluation. Each referee should make his own evaluation, and finally the average score of the three referees is taken.

ii. Measurement (objective)

The measurement is automatically evaluated and given by the competition system, and the benchmark of the score is clearly defined in the scoring rules.

iii. Application of subjective evaluation and objective evaluation

Module number	Module name	Competition time	Scores		
			Judgment	Measurement	Total
1	Network cabling and equipment configuration	120 minutes	40	60	100
2	Cloud network construction and operation and maintenance	180 minutes	0	100	100
3	Operating system network service configuration	120 minutes	0	100	100
4	Network security management	180 minutes	0	100	100
Total			40	360	400

(II) Scoring procedure

Set up several scoring groups according to the competition module, and each group is composed of 3 or more referees. Each team must include at least one experienced expert. The scoring referee shall not evaluate the contestants of his unit.

i. Process score

The scoring referee shall score the operation specifications and on-site performance of the participating team according to the on-site scoring table. The scoring results shall be signed and confirmed by the contestants and referees.

ii. Result score

For the competition results submitted by the contestants, according to the competition evaluation criteria, the scoring referee will evaluate and score the subjective description part, and the competition system will measure and score the objective data expression part.

iii. Points deducted for violation

Points will be deducted in case of any of the following circumstances:

1) If the equipment provided by the stadium is damaged due to illegal operation, the environment of the stadium is polluted and other behaviors that seriously do not meet the professional norms, the total score will be deducted by 5-10% depending on the circumstances, and those in serious cases will be disqualified from the competition.

2) If contestants disturb the order of the competition or interfere with the work of the referee, the total score will be deducted from 5-10% depending on the circumstances. In serious cases, the competition qualification will be cancelled.

3) 5-10% of the total score will be deducted depending on the circumstances if the competition rules and assignment requirements are not followed, the dress is not standardized, and the data archiving is incomplete.

(III) Score calculation

i. Spot check and recheck

In order to ensure the accuracy of score statistics, the supervision team will review the scores of all the top 10 teams in the event; Spot check and recheck the other results. And the coverage rate of spot check shall not be less than 15%. The supervision team shall timely

inform the chief referee of the errors found in the recheck in writing, and the chief referee shall correct the results and sign for confirmation. If the error rate exceeds 5%, it shall be deemed as a non small probability event, and the referee team shall review all results.

ii. Statistical scoring method

Each scoring team shall score the modules in their charge respectively, and the scoring score sheet shall be signed and confirmed by each referee participating in the evaluation and submitted to the chief referee for safekeeping. The original score sheet shall be reviewed and signed by the referees of each group, and then confirmed by the chief referee and then submitted to the staff for entry into the system.

iii. Score juxtaposition

Compare the scores of the four modules in reverse order. For example, if the total score is the same, compare the score of module 4, and the one with high score is ranked first. If the total score is the same and the score of module 4 is the same, compare the score of module 3, and the one with higher score will be ranked first, and so on.

(IV)Composition and grouping of referees

i. Referee group

The members of the referee team are responsible for all competition affairs. It mainly includes participating in the determination of competition items, competition rules, scoring standards and relevant competition technical documents; be responsible for the inspection of competition venues and equipment; be responsible for the execution of the whole process of the competition and the summary, review, approval and release of the competition results.

The referee group consists of two working groups. The responsibilities of each group are as follows:

(i) Competition team

Be responsible for the work arrangement of competition affairs. It mainly includes the arrangement of competition sessions and the drawing of contestants.

(ii) Invigilator group

Be responsible for the recording and invigilation of the competition site, mainly including: check the contestants' certificates; maintain field discipline; control competition time; record the situation of the stadium and make invigilation records; correct the contestants' violations and report to the chief referee in time if the circumstances are serious; participate in the drawing of the competition.

ii. Referee's suggestion

(i) Chief referee's work

i) Do a good job in communication and coordination with the competition area, and implement various technical work of the competition.

ii) Complete the preparation of technical working documents of the item on time and carefully.

iii) Take the lead in adhering to and safeguarding the principle of fairness and impartiality, abide by confidentiality discipline, and don't disclose technical information that affects the fairness and impartiality of the game.

iv) Do a good job in the pre-competition training of the referees of the item and preside over the online forum of the item.

v) Take various measures to ensure fairness and impartiality, such as avoidance, crossover and anonymous workpieces (works), and organize all referees to do a good job in the evaluation and related technical work of the item.

(ii) Referee work

i) Strictly enforce adjudication, be fair and impartial, and do not engage in malpractices for personal gain.

ii) Understand and master the technical rules and requirements of the competition.

iii) Obey the technical work arrangement of the referee team and do their own work carefully.

iv) Seriously participate in various technical work, and put forward objective, fair and reasonable opinions and suggestions on controversial issues.

v) Stick to the post, don't be late or leave early, strictly abide by the execution schedule,

and ensure the normal execution of the execution work.

iii. Discipline and requirements in judgment

(i) Before the competition, the referee shall hand in all electronic devices with communication function, shooting function and storage function;

(ii) During the competition, the referee should try to avoid leaving the field and rest in the referee area when there is no referee work;

(iii) The referee shall not participate in any referee and technical evaluation work that is not his own referee station;

(iv) During the competition, the referee shall not conduct technical exchanges with the contestants of any unit;

(v) During the competition, the referee shall not observe the contestants' operation for a long time and close distance;

(vi) During the competition, the referee shall not make any suggestive actions or language prompts to the contestants;

(vii) In case of safety failure during the competition, the referee can suspend the assessment at once;

(viii) During the competition, if the equipment and safety failure caused by the operation of non contestants needs to be handled by technicians, the referee shall timely adjust the contestants to the standby station to continue the competition, and the time difference generated during the period shall not be included in the total competition time;

(ix) During the competition, if the referee has a technical dispute, the decision of the chief referee shall prevail;

(x) The chief referee can supervise the fairness and impartiality of the scoring process of all referees.

V. Competition related facilities and equipment

(I) Competition technology platform standard

In order to ensure that the competition is open, fair and just, the competition equipment,

2022 BRICS Skills Competition (BRICS Future Skills Challenge)

software and technical platform are strictly selected, and all indicators meet the relevant standards of the management measures for equipment and facilities of BRICS Skills Competition, so as to ensure the smooth progress of the competition.

All the software of the competition is genuine, and the proposed technical platform has good maturity, reliability, universality and compatibility.

(II) Environmental requirements

Competition Venue: the competition venue meets the competition needs. It is suggested that the venue should be set in the gymnasium, library hall or computer room. The venue should be flexibly adjusted according to the venue area of the host institution and the number of participating teams. Ensure good daylighting, lighting and ventilation on site, and provide stable water, electricity and power supply emergency equipment. During the competition, the field adopts network security control, and information exchange inside and outside the field is strictly prohibited.

Competition equipment: all competition equipment shall be provided and guaranteed by the preliminary / final organizing committee. The competition area shall prepare the software and hardware platforms required for the competition according to the number of teams, and provide standard competition equipment to the teams.

Competition platform: each platform is marked with a number.

Network equipment: adopt star network topology and install Gigabit switch. The network cable and power supply cord are laid in a concealed way. The independent network environment is adopted, and the external network server can be accessed;

Network security: adopt unified anti-virus software to protect the server from virus. Shield the computer USB interface used at the competition site. Deploy an integrated monitoring system with network management, account management and log management functions;

Power requirements: dual power supply; UPS is used to prevent system data loss caused by sudden power failure on site.

Rated power: 3KVA, backup time: 2 hours, battery type: output voltage: 230V±5%V.

Media publicity: on the premise that the competition is not disturbed, the venue is open

**2022 BRICS Skills Competition
(BRICS Future Skills Challenge)**

to the media and industry experts, and the media and industry experts are allowed to visit the site along the designated route within the specified period of time. Background boards, publicity banners and wall charts can be set up in the competition venue to create a competition atmosphere.

(III) Equipment list

No.	Equipment name	Specifications	Suitable for use
1	Competition platform	Including competition management and Competition System V2 0	Common use
2	IT intelligent experiment platform	Meet the requirements of some virtual operating systems	Common use
3	Operating system	Ubuntu20.04, Server2012	Common use
		Each competition platform is provided with three computers, one of which is a standby machine. The computer requires I5 seventh generation and above, dual core CPU, with main frequency of 2.0GHz and above, memory of 16G and above, and display resolution of 1280 * 1024; 64 bit new installation Microsoft Win10 sp2 professional operating system;	
4	Operating system supporting software	Microsoft Office 2007 and above MySQL 5.6 and above JDK1.8	Common use
5	Browser	Install the latest version of Google Chrome browser (64 bit)	Common use
6	Nginx	Version 1.0 or above	Common use
7	middleware	Nacos 1.4 or above Redis 4.0 or above	Common use
8	Network simulator software	Be able to use common equipment to build and debug network environment	Common use
9	Safety tools	NMAP 7.12 Wireshark 1.10.14 MSF	Common use

**2022 BRICS Skills Competition
(BRICS Future Skills Challenge)**

10	Tested environment	Network target 1.0	Common use
11	Monitor	prometheus2.0 or later	Common use

VI. Competition instructions

(I) Before the competition

i. According to the actual needs of the item, the chief referee and the person in charge of the venue shall finally confirm the preparation of venue equipment and facilities 2-3 days before the competition; the chief referee and the referees shall conduct centralized training, technical docking and confirmation of equipment, facilities, materials and necessary tools one day before the competition.

ii. When registering for duty, the contestants shall receive the entry certificate, entry materials, meal coupons, and draw the contestant's number. After the registration, they shall go to the venue and get familiar with the venue.

iii. The order of contestants' appearance shall be determined by drawing lots based on the school. If multiple contestants selected by the same college complete the competition in the same game and cannot play in the same competition due to special reasons such as equipment, adjacent competition must be arranged instead of being separated.

iv. 30 minutes before the competition, go to the designated entrance for recording, and the recording personnel will verify the number. The contestants who are 15 minutes late after the competition will be deemed to give up the competition automatically.

v. After recording, each contestant shall go to the designated position according to the drawing number. All communication, photography, video, disk and other tools shall not be brought into the competition site.

(II) In the competition

i. After the on-site referee uniformly informs the contestants of the competition rules, time and process, the competition will be officially started and timed.

ii. It is forbidden to whisper or borrow tools from each other during the competition.

The contestants cannot walk or talk.

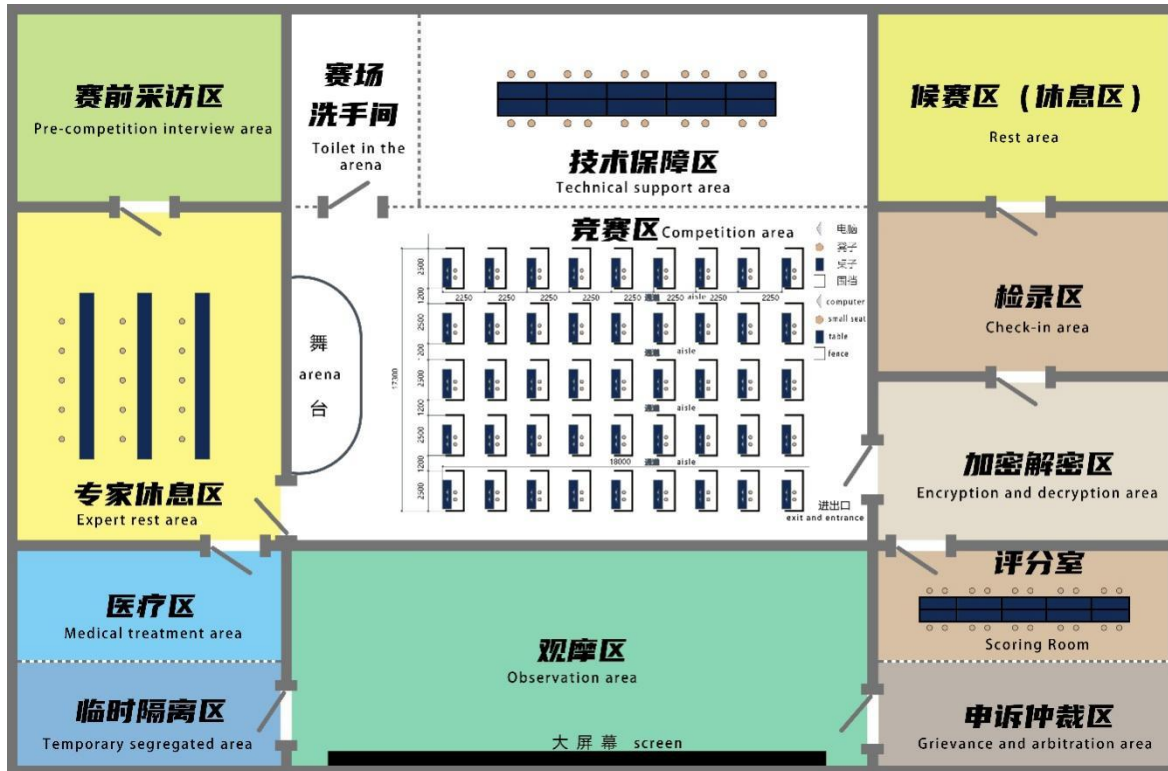
iii. During the competition, if contestants need to rest, drink water or go to the bathroom, these will be counted in the operation time.

iv. After entering the competition field, contestants shall not leave the competition field without authorization. If they leave the competition field or terminate the competition due to illness or other reasons, they shall signal to the referee. They can leave the competition field and arrive at the designated place by the guidance of the staff of the competition field only with the consent of the chief referee of the competition field and after signing and confirming on the record sheet of the competition field.

v. The contestants shall submit the competition results according to the procedures, cooperate with the referee to record the situation of the competition field and sign for confirmation. When the referee requests for signature, it shall not be rejected without reason.

vi. After the chief referee issues the order to end the competition, all contestants who have not completed the task shall immediately stop the operation, clean up the competition position as required, and shall not delay the competition time for any reason.

VII. Venue layout requirements



VIII. Health, safety and green environmental protection

(I) Competition environment

- i. The competition venue has sufficient light and good lighting; the power supply and water supply facilities are normal and safe; the site is clean and tidy.
- ii. The competition site shall be provided with isolation belt, and non referees, contestants and staff shall not enter the competition site.
- iii. The venue is equipped with security, fire fighting, medical and equipment maintenance standby to prevent emergencies.
- iv. Safety passageways and cordons shall be set up in the stadium to ensure that the competition visitors, interviewers and inspectors entering the stadium are limited to activities in a safe area, so as to ensure the safe and orderly progress of the competition.

(II) Safety requirements

- i. Safety training

The contestants shall be trained in the safe operation of the equipment in strict accordance with the instructions before the competition. In case of any contestant's illegal

equipment operation, the referee and examination staff shall timely inform the referee and suspend the competition. If the contestants find that the equipment has operation safety problems, they should timely inform the examiner and the chief referee for safety treatment.

ii. Safety facilities

There must be a safe passage on the field. Before the competition, the contestants and referees must be clearly informed of the position of the safety passage and safety door. The site must be equipped with fire-fighting equipment and placed in a prominent position.

iii. Management and restriction of toxic and harmful substances

Contestants and all participants are forbidden to bring any toxic and harmful substances into the competition site.

iv. Medical equipment and measures

The site must be equipped with corresponding medical personnel and first-aid personnel, and corresponding first-aid facilities.

(III) Environmental protection

The venue shall strictly abide by China's environmental protection law. All wastes in the venue shall be effectively classified and treated, and the unused materials of the contestants shall be recycled.

(IV) Epidemic prevention and control

i. We should implement the strategy of "preventing the spread of the coronavirus from both within and without of a city (or an area) ", and take various preventive measures in time and effectively. In accordance with the law, scientific, standardized and unified prevention and control, we should deal with COVID-19 infection pneumonia, and earnestly achieve "early detection, early reporting and early isolation", so as to ensure the health and safety of the participants, referees and staff members.

ii. All participants, referees and staff should fully understand the severity and complexity of the epidemic, attach great importance to the prevention and control of infectious diseases such as COVID-19. In accordance with the principles of management, pay attention to changes in the epidemic situation, strengthen disease propaganda, initiate timely plans, implement prevention and control measures, do a good job in prevention and control

work, and resolutely prevent the spread of the epidemic.

iii. Except during the competition and dining, we must wear protective articles (masks) in public places all the time.

iv. Supervise the whole process, set up isolation area, and establish emergency green channel. Ensure that in case of injury, abnormal temperature and other emergencies, it can immediately form a seamless connection with the hospital. Pay attention to the changes of the epidemic situation, strengthen disease publicity, timely start the plan, implement the prevention and control measures, do a good job in prevention and control, and resolutely prevent the spread of the epidemic situation.