

Dear ICPC Asia Hong Kong Regional Contestant,

Teams that have qualified for the 46th ICPC Asia Regional in Hong Kong who will be unable to participate in person will have the opportunity to compete in an online contest on January 14, 2023. Here are some rules about proctoring arrangements and anti-cheating measures that you need to obey in the contest.

1. Before the contest, according to the online proctors' instructions, the local proctoring volunteers use Zoom Conference Room 2 to complete the identity verification. **In front of the camera, coaches need to take a picture of each team with students holding their student ID cards and send the photo through Zoom chat.**
2. During the contest, the contest team can only use their own computer and printer device. It is not allowed to use other electronic equipment. Contestants are prohibited to wear headphones. Contestants are also not allowed to communicate with anyone other than the team members. Irrelevant personnel are prohibited from appearing in the video surveillance screen. If irrelevant personnel stay in the venue, the contest teams in the venue will be punished for violation.
3. During the contest, the contestants cannot leave the team's competition area at will. **The team must prepare pens, draft paper, printing paper, books, paper templates, water, food, etc. in advance.** During the contest, if contestants need to go to the washroom, they must apply to the local volunteers and cannot leave until getting approval. After returning to their seats from the washroom, they also need to report to the local volunteers.
4. During the contest, each team is only allowed to use only one computer (with a single screen) for problem viewing, coding, debugging, code submission and so on. If a laptop is used as the contest computer, it can be connected to an external display. But the laptop's screen cannot be used when using an external display.
5. During the contest, the team can only use Google Browser and program development software. Google Browser can only access the **DOMjudge** contest platform. It is not allowed to close the browser or the **DOMjudge** platform page during the contest.

6. A team may be disqualified for any activity that jeopardizes the contest.
7. The scoreboard is frozen one hour before the end of the contest.
8. **Video monitoring device**
 - a. **A panorama camera** should be installed at each venue (which can be fixed on a specific bracket) that clearly captures all the participating teams inside the room. The microphone of the panorama camera should be turned on. The video camera should attend a Zoom Conference Room (“university name - panorama”).
 - b. **The local screen of the contest computer** of each team should be recorded during the contest. A screen recording software should be installed for recording the local screen (“university name - team name - contest computer”). Its microphone should be turned off.
 - c. **A front monitoring device** that captures the front image of the team (e.g., using a built-in camera of the computer A or an external camera). It attends a Zoom Conference Room (“university name - team name - front”) and the video needs to be recorded. Its microphone should be turned off.
 - d. **A back monitoring device** (such as another computer or a smartphone) that is capable of capturing the back of the team should be prepared. It attends a Zoom Conference Room (“university name - team name - back”) and the video needs to be recorded. Its microphone should be turned off.
 - e. **A side monitoring device** (such as another computer or a smartphone) that is capable of capturing the back of the team should be prepared. It attends a Zoom Conference Room (“university name - team name - side”) and the video needs **not to be** recorded. Its microphone should be turned off.
9. **Video Submission and Saving:** After the contest, the participating teams should use software (such as FileMD5) to calculate the MD5 hash of the recorded videos on contest computers and monitoring devices.
 - a. **The MD5 hash of all the recorded video files (the local screen capture, the front camera, and the back camera)** must be submitted to the online proctors as required within 30 minutes after the contest.

b. **The recorded video files of the local screen of the contest computer** should be uploaded to some online drives, and the sharing link must be submitted to the online proctors before 24:00 (midnight) on the day of the contest. Make sure the video can be downloaded from your link without typing any extraction code.

c. **The video files recorded by the three (screen/front/back) monitoring devices** should be properly kept by each participating university. If any suspected violation is found in the subsequent examination process, the participating team will be notified to provide the video recorded by the monitoring device as evidence for the auxiliary judgment.

We realize it is disappointing that we cannot all meet in Hong Kong, but we believe we will be able to provide a great online contest and recognize your achievements at the ICPC Asia Regional.

Sincerely,
Siu-on Chan
Regional Contest Director