

## **Regulation**

### **“ASEAN STUDENTS CONTEST ON INFORMATION SECURITY 2019”**

#### **Article 1. Purpose**

1. Raise and promote awareness of higher-education institutions (colleges, universities, vocational schools and research institutes) about the importance of and responsibility for information security.

2. Promote research, learning and experience exchange on information security, thus actualizing the State policies regarding the training of qualified human resources in the field of information security as stipulated in the National Strategy of Information Security until 2020 (which was issued under the Decision no. 63/QĐ-TTg dated 13/01/2013 by the Prime Minister), Project “Training and Development of Human Resources in Information Security by 2020” (issued under the Decision no. 99/QĐ-TTg dated 14/01/2015 by the Prime Minister), Project “Information Security Awareness and Responsibility by 2020” (issued under the Decision no. 893/QĐ/TTg dated 19/06/ 2016 by the Prime Minister).

3. Promote, foster and recognize talents in information security in Vietnam and in the ASEAN; create favorable conditions and lay the foundation for the training and development of highly-qualified human resources in the field of information security.

#### **Article 2. Scope and Eligibility**

1. Scope: The Qualifying Round will be held concurrently nation-wide. The Final Round will have the participation of several teams from ASEAN countries.

2. Eligibility: Students from higher-education institutions across Vietnam.

3. The candidates shall participate in teams, each containing 4 students (including the team captain). The number of teams from the same college/university shall not exceed 03. If the higher-education institution has multiple training centers located in different regions of the country (the North, the Central and the South), the number of teams from each training center signing up for the contest shall be no more than 03.

4. The participation of all the members in each team shall be voluntary. All the participating teams shall respect and comply with the rules set by the Organizer and other relevant legal regulations.

#### **Article 3. Theme, format and timeline of the Contest**

1. Theme: Compete on knowledge and skills related to Information Security.

2. Contest format: The contest consists of 2 Rounds: Qualifying Round and the Final Round

a) The Qualifying Round (only applicable to Vietnamese teams):

- Competition format: there will be an Information Security practice contest conducted online concurrently across the 3 regions within 8 hours. The contest will be based on the concept of Capture the Flag event – CFL, with the actual task

being Overcoming Challenges (jeopardy). The participating teams shall be competing against each other in a war-like game and shall be assessed on their ability to mount cyber attacks at against their opponents and to defend their own networks.

- Knowledge and skills to be assessed: Pwnable (Exploiting software error, buffer overflow, string format, shellcode etc.); Reverse engineering (reverse engineering software source code, unpack the packer, decode software protection); Web (Techniques to attack web applications); Network / Forensic (Investigating, analyzing, tracking digital evidence); Crypto / ACM (Decryption, attack cryptographic algorithms, use programming / algorithm skills to solve games, mazes etc)

- Timing: Early November, 2019 (tentative date: 02/11/2019).

- Location: This round shall be conducted concurrently across the 3 regions, including: The North (colleges, universities located from Ha Tinh Province northwards, and shall be held in Hanoi), the Central (institutions from Quang Binh to Nha Trang, and the Central Highland – Tay Nguyen, and shall take place in Da Nang), and the South (institutions in Da Lat, the Southeastern and Southwestern MeKong Delta, and shall be held in Ho Chi Minh City).

- Selection criteria for the Final Round: 02 teams with the highest scores from each region, and 04 best runner-up teams from all the constest locations. No more than 2 teams from a training center of any institutions shall be selected for the Final Round. than 2 teams taking part in the contest.

b) Final Round:

- 10 best teams from the Qualifying Round shall compete in the Final Round, together with several opposing teams from ASEAN countries (it is expected that there will be 06 such foreign teams).

- In the Final Round, the teams shall tested on their ability to mount cyber attacks against their opponents and to defend their own computer networks within a duration of 8 hours.

- Timing: late November, 2019 in Hanoi (tentative date: 29/11/2019).

c) The wrap-up cereomony: this event is expected to be held on the same date 29<sup>th</sup> November, 2019. Awards and certificates of merit from the Minister of Education and Training will be presented. This event will be part of the International Conference on Vietnam’s Information Secuirty Day 2019 (which is tentatively held on November 29th, 2019).

Detailed description of the contest and selection and award-winning criteria shall be communicated to every participating team prior to each stage of the contest.

The Organizer shall reserve the right to change the timings of the contest in each round to meet the actual requirements. Any changes as such shall be informed to the participating teams directly or via the official website of the Organizer.

#### **Article 4. The Organizing Sub-Committees, Jury, and information about the contest**

1. The organizing sub-committees at the regional contest locations for the Qualifying Rounds: shall be comprised of representatives from VNISA, VNISA's sub-association in the South, MOET's IT Authority, MIC's IT Authority and the sponsoring organizations.

2. The Jury: shall be assembled by the Organizing Committee and consist of Information Security experts. There will be 03 juries for the Qualifying Round, and 01 jury for the Final Round.

3. The Contest Council: shall consist of veteran experts in the field of information security, who have intensive academic and professional experience. This council will be responsible for developing the contest format, setting assessment criteria, coordinating with the functional team responsible for constructing the challenges, and approving of the challenges.

4. Information about the contest: is available on the Organizer's official website at <http://sv-attt.vnisa.org.vn> and <http://ascis.vnisa.org.vn>

5. Contact information of the Organizer:

Vietnam Information Security Association (VNISA)

Address: no. 155 An Trach street, Dong Da District, Hanoi;

Tel: (024) 26290 1028;

Email: [sv-attt@vnisa.org.vn](mailto:sv-attt@vnisa.org.vn).

#### **Article 5. Registration, rights and obligations of the participating team**

1. Sign-up schedule

- Higher-education institutions wishing to sign their teams up for the contest need to register no later than September 15<sup>th</sup>, 2019.
- The application form needs to be completed and received by VNISA by September 25<sup>th</sup>, 2019 at the latest. The online application form can be downloaded from the Organizer's official website and sent to its email address at [sv-attt@vnisa.org.vn](mailto:sv-attt@vnisa.org.vn) upon completion.

The list of successfully registered teams and their relevant information shall be made available on VNISA's website so that all the participating teams can review and report any inaccurate information. Requests for correction, if any, need to be sent to the Organizer at least 1 week prior to the commencement of the Qualifying Round.

## 2. Participating Teams' Rights:

- All the Vietnamese teams participating in the contest will be presented with a Certificate of Participation in the 2019 contest.

- Vietnamese teams which successfully pass the Qualifying Round will be bestowed with Certificates of Merit from VNISA.

- The winning team and the runners-up in the Final Round will be presented with Certificates of Merit from the Minister of Education and Training.

- Other teams which receive titles in the Final Round will be awarded by Ministry of Information and Communication.

- Vietnamese teams winning major titles will receive follow-up support from VNISA if they wish to take part in international competitions on information security.

- Members of Vietnamese teams which win titles in the contest will be supported by VNISA when they wish to attend international conferences on Information Security (e.g. BlackHat Asia...).

- Members of Vietnamese teams which win major titles in the contest will be given professional references by VNISA to relevant job positions in state and private organizations in the industry.

- All the participating teams will be kept updated on the contest's format, assessment criteria and other relevant information.

## 3. Participating teams' obligations:

- All the participants will have to provide proof of identity such as student IDs, personal IDs (or passports, applicable to ASEAN students), bring along their own laptops, which should have RJ45 port.

- Strictly follow the instructions in the test rooms and the contest's rules.

Those contestants and teams who violate the rules shall be treated in accordance with the contest's regulations, ranging from receiving warnings to having their scores deducted or being disqualified.

## 4. Conditions for participating in the contest: travel and accomodation shall be covered at the participating teams' expense. In the Final Round, teams who have to travel long distance will receive financial assistance from the Organizer to cover part of their expenses.

Participating teams from ASEAN countries will be provided with financial assistance from the Organizer to cover part of their travel and accomodation expenses.

## **Article 6. Awards**

### 1. Qualifying Round:

a) For each contest location: 01 First Prize, several second, third and consolation prizes. The number of second/third and consolation prizes shall be decided by the Organizer based on the number of competing teams in each contest location.

b) The awards to be presented include:

- Certificates of Merit;
- Financial awards (in cash).
- Other awards (if any)

2. Final Round:

a) 01 Grand Prize, 02 Second Prizes, 03 Third Prizes and Consolation Prizes

b) The teams winning Grand Prize and Second Prizes will receive Certificates of Merit from the Minister of Education and Training.

c) The teams winning titles will receive cash awards (whose values will be determined by the Organizer based on the budget available) and certificates of participation.

#### **Article 7. Implementation**

1. VNISA shall assume the responsibility to coordinate with relevant stakeholders such as MOET's IT Authority, MIC's IT Authority to make necessary preparation for the happening of the contest (facilities, locations, specification of challenges, etc).

2. MOET's IT Authority shall assign its staff to support the preparation and organization of the contest. The Authority will prepare reports of the contest's outcomes and have them sent to MOET for approbation and requesting the issuance of Certificates of Merit for the winning teams of the Grand and Second Prizes in the Final Round.

3. VNISA shall assign its staff to support the preparation and organization of the contest, send reports of the contest's outcomes to the leadership of the MIC and its relevant agencies for approbation and requesting the issuance of Certificates of Merit for foreign teams who win major titles in the Final Round.

4. Higher-education institutions with participating teams:

a) Communicate information about the contest to potential candidates, support the formation of competing teams and assist their sign-up process.

b) Take initiative to guide and provide technical training for their teams.

c) Sign up for hosting the Qualifying Round at their campus (applicable for those institutions in Hanoi, Da Nang, and Ho Chi Minh City) and the Final Round (applicable for those institutions in Hanoi only).

5. State and private sponsoring organizations in the ICT and Information Security industry: be ready to undertake their commitment to expedite and support the happening of the contest and bring it to fruition.

**ON BEHALF OF THE ORGANIZER**

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke extending to the right.

**VNISA VICE PRESIDENT, GENERAL  
SECRETARY**

**Dr. Vu Quoc Thanh**