



# NEWSLETTER

QUARTER 2, 2021

# GLOBAL ACE CERTIFICATION



Cybersecurity competency is now in demand. Professional certifications in cybersecurity which are available in the market today are mostly product oriented. The complete process of certification consists of four major operations which are training, examination, certification and membership. Certifications are categorized according to three levels: foundation, intermediate and advanced. Each level has different types of competencies which comprises of knowledge, skill and attitude.

This newsletter (Q2/2021) focuses on Certification Framework which consist of Knowledge, Skills and Attitude (KSA). The Global ACE Certification Scheme is designed to measure an individual's ability to "do" a given task and understand "why" it is done by taking context into consideration rather than relying solely on knowledge-based assessments [1]. It consists of 3 levels: foundation, practitioner and specialist, as highlighted in Figure 1.

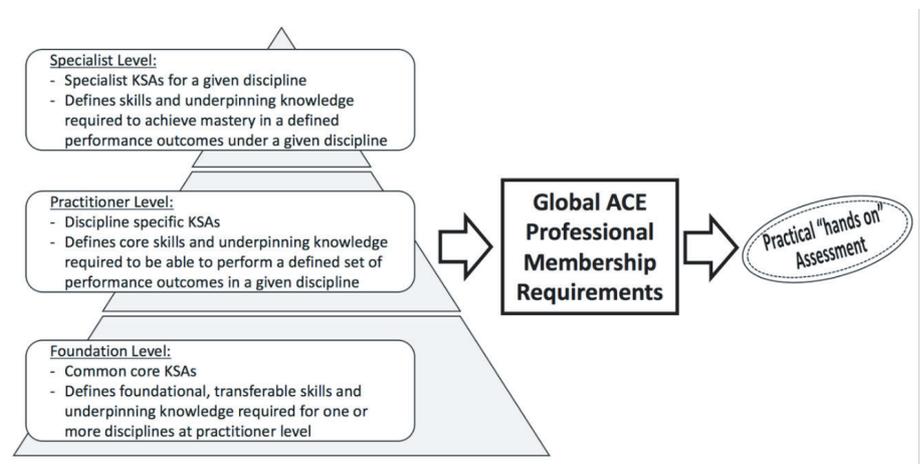


Figure 1: Competency framework

[1] Zain, R.M., Yunos, Z., Ahmad, M., Hsiung, L.H. and Bannister, J., 2018. Developing a Competency Framework for Building Cybersecurity Professionals. *OIC-CERT Journal of Cyber Security*, 1(1), pp.32-40.

The Global ACE Certification Framework provides a standard base and means of acknowledging the “Knowledge, Skills and Attitude” for the workforce in cybersecurity sector, with the following objectives:

1. To nurture cybersecurity knowledge groups and/or individuals that are resilient to cyber security incidents;
2. To nurture cybersecurity practitioners that are technically capable and proficient in cybersecurity operation; and
3. To nurture cybersecurity professionals that are capable in strategizing, planning and executing cyber security initiatives.

The framework is the basis for identification and classification of cybersecurity domains, independent assessments, impartial of examinations, competencies of trainers and the requirements of professional memberships as shown in Figure 2.

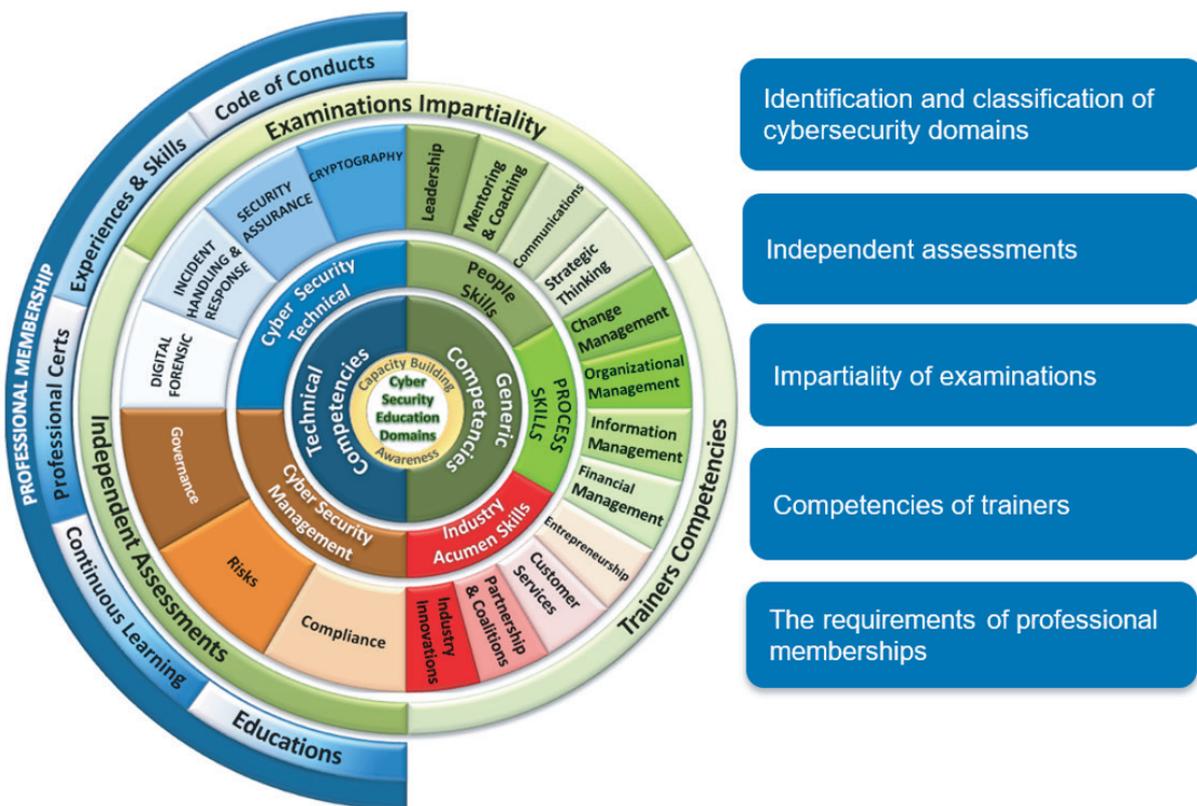


Figure 2: The holistic framework of Global ACE Certification

CyberSecurity Malaysia has established the required building blocks and expertise for the development of the cybersecurity professionals and knowledge workers with in-depth theoretical and technical hands-on know-how.

## GLOBAL ACE CERTIFICATION UPSKILLING PROGRAMME

GLOBAL ACE  
CERTIFICATION



CyberSecurity Malaysia latest initiative, with support from the Malaysian Government, in collaboration with local professional training providers and local academia introduces series of cybersecurity skills improvement programme known as the **Global ACE Certification Upskilling** Programme.

This upskilling programme integrates Global ACE Certification lifelong learning programmes through Global ACE Certification membership. Participants are recognized under the Global ACE Certification in line with international standards when they pass the certification examination.

The main aspiration of Global ACE Certification membership is to stimulate cognitive skills that can be shared. This membership allows participants to continuously increase their respective cyber security capacity. Lifelong learning programmes will be introduced throughout the year, where members can take the opportunity to expand their knowledge, enhance existing abilities and train new skills at their own pace. Thus, it provides an opportunity for members to share knowledge, expertise, and skills, identify the latest cyber threats as well as appropriate mitigation methods.



In addition, participants are eligible to apply for Professional Technologies or Certified Technicians from the Malaysia Board of Technologists (MBOT) under the Technologist and Technicians Act 2015 (Act 768), subject to MBOT terms and conditions. The certified training programs that are offered:

1. Certified Information Security Awareness Manager (CISAM)
2. Certified Data Security Professional (CDSP)
3. Security Operation Centre Analyst (CSOC)
4. Certified Penetration Tester (CPT)
5. Certified Secure Application Professional (CSAP)

For more information, please visit  
<https://www.cyberguru.my/web/guest/global-ace-certification-upskilling-programme>

# MALAYSIAN TECHNICAL COOPERATION PROGRAM (MTCP)



CyberSecurity Malaysia is one of Training Institutions to conduct capacity building programmes in cybersecurity for the Malaysian Technical Cooperation Program (MTCP) under the Ministry of Foreign Affairs Malaysia. This year, CyberSecurity Malaysia will be conducting Certified Penetration Tester for ASEAN and OIC-CERT member countries.

Supported by:



MINISTRY OF COMMUNICATIONS  
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In collaboration with:



MINISTRY OF FOREIGN  
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Organized by:





CERTIFIED  
PENETRATION  
TESTER

The training programme leverages on state-of-the-art cyber security knowledge from domain experts and experience practitioners. Certified Penetration Tester is a hands-on training and certification programmes that enable the participants to handle the vulnerability assessment and penetration test for their clients.



**Session 1: 21 - 30 June 2021\***

Time: 1100 - 1500 (GMT +8)

Region: ASEAN & OIC-CERT countries (South Asia)

\*Will be conducted virtually.

### COURSE OBJECTIVES

1. Cultivating awareness, nurturing adoption and establishing capabilities in securing information effectively and creating a safer cyberspace;
2. Providing practical knowledge in analysing and managing system vulnerabilities;
3. Providing practical experience in managing security incidents and defending security perimeters;
4. Building capable cyber security professionals for the region.
5. To understand different attacks used by hackers
6. To learn how to conduct a vulnerability assessment on the network and systems
7. To learn ways to harden the network and systems thus securing the corporate network and systems.
8. To prepare and submit Vulnerability Assessment & Pentest Reports

### PREREQUISITE / ELIGIBILITY

<ol style="list-style-type: none"> <li>1. 26 - 50 years old;</li> <li>2. A Bachelor degree holder in IT;</li> <li>3. 2 years' in relevant experience (e.g. system administrator, network engineer, SOC analyst).;</li> </ol>	<ol style="list-style-type: none"> <li>4. Should have fundamental understanding on information security/security assessment/network/operating systems/applications/database systems;</li> <li>5. Proficient in the English language; and</li> <li>6. Medically fit.</li> </ol>
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### WHO SHOULD PARTICIPATE?



Network administrators



Network executives



Security professionals who are interested in conducting vulnerability assessment and penetration test for their clients.

## CONTACT US

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