



**ITU Centres of Excellence Network for Asia-Pacific  
China Academy of Information and Communications Technology  
Online Training Course on  
“SECURITY PROTECTION AND EVALUATION FOR FUTURE NETWORK”  
25 May to 5 June, 2020**

## COURSE OUTLINE

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### COURSE DESCRIPTION

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Title	<b>Security Protection and Evaluation for Future Network</b>
Method of delivery	Online
Objectives	<ul style="list-style-type: none"><li>• Use the C&amp;I framework, through definitions and methodologies, to ensure ICT network security.</li><li>• To build knowledge base of the participants on development trends and situations related to network security from a global perspective and the network security protection and evaluation methods, mechanisms and measures.</li></ul>
Dates	25 May -5 June, 2020
Duration	15 days
Registration deadline	20 May 2020
Training fees	Free
Course code	20WS24871ASP-E

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### LEARNING OUTCOMES

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The course is expected to achieve the following outcomes from this course:

- Understand the current situation of the global network security with focus on key countries and regions, etc.

- Learn the laws and regulations as well as national strategies and plans on network security formulated and implemented in the past two years in key countries and regions.
- Learn the network security protection and evaluation mechanism and measures, such as data security and supply chain security, grade protection and other protection measures in the context of new technologies and applications.

## TARGET POPULATION

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This training is targeted at ICT professionals and engineers, decision-makers, managers, equipment suppliers, operators etc. that are involved in ICT network security , with at least a bachelor degree and three years working experience in this field. Other institutions and individuals that are interested in building their capacity related to conformity and interoperability are also welcome to participate.

## TUTORS/INSTRUCTORS

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Experts from Security Research Institution of CAICT.

## EVALUATION

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Besides the tests and their assignment score, participants will be evaluated according to their substantive posts on the discussion forum, active participation in the online chat sessions and other course activities, reflecting both the quantity and quality of time spent on the course. The evaluation details and criteria for certificates is as follows.

2 Quiz:	60% (each for 30%)
Individual Assignment	20%
2 Chat Sessions	10% (each for 5%)
2 Discussion Forums	10% (each for 5%)
<b>Total Evaluation:</b>	<b>100%</b>

**IMPORTANT:** A PASSING MARK OF 60% IS REQUIRED FOR OBTAINING A COMPLETION CERTIFICATE.

## TRAINING SCHEDULE AND CONTENTS

Week	Day, Date	Schedule and content
<b>Week 1</b>	25 <sup>th</sup> – 29 <sup>th</sup> May, 2020	<ul style="list-style-type: none"> <li>○ <b>Global development trend of network security</b> To introduce the current situation and the key development trend (and in the near future) of the global network security, including the analysis of hot spots, the formulation of policies or regulations, the development and deployment of new technologies and applications etc. relating to network security, with examples from Europe, the United States, Japan, and South Korea.</li> <li>○ <b>Global laws and regulations on network security</b> To introduce the laws and regulations as well as national strategies on network security implemented in the past two years in countries and regions like China, Europe, the United States, Japan, and South Korea, including their implementation background, drafting details, current effects and implementation impacts etc.</li> <li>○ <b>ITU C&amp;I framework and network security</b> To introduce the ITU C&amp;I framework and experiences in the telecommunication/ICT sector including network security.</li> <li>○ <b>C&amp;I framework of network security protection in China</b> To introduce the methods and experience about the network security protection of ICT in China, including system construction, building, mechanism, and the supervision and test for network security protection.</li> </ul>
		<b>Discussion / Forum</b>
		<b>Chat Session, Quiz 1</b>
<b>Week 2</b>	1 <sup>st</sup> – 5 <sup>th</sup> June, 2020	<ul style="list-style-type: none"> <li>○ <b>Data &amp; supply chain security risk assessment</b> To introduce the assessment procedure, methods and technical protection measures to realize data security and supply chain security.</li> <li>○ <b>Grade assessment of security protection for new technology and new application</b> To introduce the basic concepts, process, supervision and test methods for grade assessment of information security protection with new technologies and applications.</li> <li>○ <b>Security evaluation of key ICT infrastructure</b> To introduce major aspects of the national key ICT infrastructure protection in China, including system, methods, technologies, standards, supervision and test, etc.</li> </ul>
		<b>Discussion / Forum</b>
		<b>Chat Session, Quiz 2,</b>
		<b>Assignment</b>

## METHODOLOGY

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**Course Materials:** The relevant course material will be made available on the website.

**Online Discussion Forums:** Participants are expected to participate actively in discussion forums on selected topics throughout the week.

**Chat Sessions:** Online chat sessions with the Tutor will take place on Wednesday from 14:00 – 15:00 Hrs. Beijing Time (GMT +8). All participants are expected to join the chat sessions as they will be graded.

**Quizzes:** two mandatory online quiz will be held at the end of each week of the course

**Assignment:** There will be a mandatory assignment for the course

## COURSE COORDINATION

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Mr. Ashish Narayan ([ashish.narayan@itu.int](mailto:ashish.narayan@itu.int)) from the ITU, Ms. Wang Ying ([wangying@caict.ac.cn](mailto:wangying@caict.ac.cn)) and Ms. Fu Li ([fuli@caict.ac.cn](mailto:fuli@caict.ac.cn)) from CAICT, is at your full disposal should you require any additional information.

## REGISTRATION

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It is a free course with the aim of knowledge building for all.

Registration should be made online at the ITU Academy portal.

To be able to register for the course you **MUST** first create an account in the ITU Academy portal at the following address: <https://academy.itu.int/index.php/user/register>

## COURSE REGISTRATION

When you have an existing account or created a new account, you can register for the course online at the following link: <https://academy.itu.int/training-courses/full-catalogue/security-protection-and-evaluation-future-network>

You can also register by finding your desired course in our training catalogue <https://academy.itu.int/index.php/training-courses/full-catalogue>

*\* Please note that online registration should be done **before 20 May 2020**.*