



**ITU Centres of Excellence Network for Asia-Pacific
China Academy of Information and Communications Technology**

Online Training Course on

Digital Economy Standardization and Application

14-27 June 2021

TRAINING COURSE OUTLINE

COURSE DESCRIPTION

Title	Digital Economy Standardization and Application
Objectives	<ul style="list-style-type: none">• To build knowledge of participants on the standardization of digital economy in relevant ITU study groups• To build knowledge of participants on the future networks for digital transformation, such as the ICT broadband infrastructure, vertical industries.
Dates	14-27 June 2021
Duration	2 Weeks
Registration deadline	10 June 2021
Training fees	Free
Course code	21OI26534ASP-E

DESCRIPTION OF THE TRAINING COURSE

The course will include the International Standardization activities of Digital Transformation and analysis of the challenges faced, and also will introduce the relative standardization activities in ITU study groups. In addition, digital technologies, such as 5G and AI, will be introduced as well as their application in vertical communications networks.

LEARNING OUTCOMES

The course is expected to achieve the following outcomes:

- Understand the digital transformation and the challenges faced
- Know about the standardization activities in ITU study groups;
- Build knowledge about key technology in digital transformation era;
- Acquire knowledge on the network evolution for future vertical communication network; and
- Increase the opportunities for international cooperation.

TARGET POPULATION

The course is targeted ICT professionals and engineers, decision-makers, managers, equipment suppliers and operators interested in learning about digital technologies and its standardization activities in ITU study groups. Other institutions and individuals that are seeking to understand and exploit the benefits of digital transformation and related network evolution in future vertical communication network are also welcome to participate.

ENTRY REQUIREMENTS

The participants are expected to have basic knowledge of ICT.

TUTORS/INSTRUCTORS

Experts from CAICT, China Telecom, China Mobile, ZTE and other partners.

TRAINING COURSE CONTENTS

An Outlook of International Standardization of Digital Transformation

- Challenges we faced
- Digital Transformation and potential of digital technologies
- ITU's activities

Development and Standardization of Machine Vision Technology & Application

- Machine vision industry overview and developing trend
- Typical machine vision use cases
- ITU's activities in ITU-T SG 16

Progress on ITU-T AI4H Focus Group Related Standardization

- Overview of ITU-T SG16 FG-AI4H
- Deliverable of SG16 FG-AI4H and activities of Ad-hoc group on COVID-19
- ITU's activities in ITU-T SG16

Insights of ICT Broadband Infrastructure

- Changes unseen in the past 30 years are happening in the ICT industry
- ICT business development laws have profoundly changed
- ICT industry development models have profoundly changed
- Case studies in Europe and China
- ITU initiates a global dialogue on broadband development to address fragmented broadband industry

AI in 5G, Towards a New Era

- Relationship between AI and 5G
- Technology trend analysis

Network Evolution For Future Vertical Communication Network

- Smart Education, Remote VR classroom
- Smart City & Autonomous Transportation
- Remote Healthcare and Advanced Medical Services

TRAINING COURSE SCHEDULE

Week / Session	Topic	Exercises and interactions
Week 1	An Outlook of International Standardization of Digital Transformation and the practice in ITU study groups	A quiz will be provided to evaluate participants' learning effects, and tutors will be online to respond to any questions raised by participants.
Week 2	Introduction of digital technologies and its application in the vertical communication network	A quiz will be provided to evaluate the learning effects of participants, and tutors will be online to respond to any questions raised by participants.



METHODOLOGY (Didactic approach)

Course Materials: The relevant course material will be made available on the website, which will include presentations, practical cases introduction, etc.

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 to interact with tutors.

Quizzes: 2 mandatory online quizzes will be held at the end of each week of the course

Assignment: There will be a mandatory assignment for the course

EVALUATION AND GRADING

Besides the tests and their assignment score, participants will be evaluated according to their substantive posts on the discussion forum 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.

Quiz1:	30%
Quiz2	30%
Individual Assignment	20%
Discussion Forum1	10%
Discussion Forum2	10%
Total Evaluation:	100%

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

TRAINING COURSE COORDINATION

Course coordinator: Name: WANG Ying Email address: wangying@caict.ac.cn	ITU coordinator: Name: Sean Sharidz Doral Email address: sean.doral@itu.int
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REGISTRATION

ITU Academy portal account

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>

Training 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/digital-economy-standardization-and-application>

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