



Global Digital Regulation Training
ITU- with the support of CITC Saudi Arabia and other partners
(29 August to 23 September 2022)

TRAINING COURSE OUTLINE

Title	Global Digital Regulation Training
Modality	Online
Dates	29 August to 23 September 2022
Duration	4 weeks (two days per week (3h30 sessions))
Description	<p>This course is primarily based on the ITU/World Bank digital regulation handbook and platform with a focus on the following aspects: regulatory governance and evidence-based decision making, competition and economics (including infrastructure sharing), consumer affairs, data protection, financing universal access, emergency communications, cybersecurity strategies, digital financial services and emerging technologies.</p> <p>The scope of this scope is limited to the introduction of specific aspects of digital regulation to enhance knowledge of participants on the issues at stake.</p> <p>The course therefore does not provide for an in-depth analysis of each regulatory aspects of digital regulation.</p>
Organization	The online training will be organized by ITU with the kind support of CITC as part of the collaboration between Saudi Arabia and the International Telecommunication Union (ITU) on assistance in telecommunication/ICTs to ITU Member States, and other partners.
Registration deadline	20 August 2022 (English)
Training fees	Free

1. LEARNING OBJECTIVES

To allow participants to be better equipped to navigate the emerging challenges associated with digital transformation while protecting users and creating competitive environments for the private sector to thrive, this by better understanding collaborative approaches to regulation, and gaining insights on the latest regulatory developments and global trends.

2. LEARNING OUTCOMES

Upon completion of this course, participants will be able to:

- Understand the evolution of regulation and how the digital environment is affecting markets, policy and regulatory frameworks, businesses and consumers.
- Understand what the regulatory issues at stake in this environment are, what is new, what are the basics that still apply, and what needs to change to better assess how this applies to their national circumstances.
- Identify good practices.

3. TARGET POPULATION

The target audience for this course is ICT/Telecommunications regulators, other relevant regulatory agencies, ICT policy-makers and staff from sector members dealing with regulatory affairs.

4. ENTRY REQUIREMENTS

It is important for participants to be working for a regulator, ministry or in the ICT/Telecoms sector and understand the ICT regulatory environment and policies.

5. TUTORS/INSTRUCTORS

NAME OF PROPOSED TUTOR(S)/INSTRUCTOR(S)	CONTACT DETAILS
ITU Experts	hcbmail@itu.int

6. TRAINING COURSE CONTENTS

The topics covered in this module are:

Week 1: 29 August and 1 September (Monday and Thursday)

- **Day 1: 29 August**
13h00-13h30 – Introduction to the training and to digital regulation
This short introductory session will provide an overview of digital regulation and the training programme.

13h30-15h30 Regulatory governance

This module examines the fundamentals of regulatory governance, identifying the core purpose and roles of regulatory authorities, and exploring how these roles are shifting in a digital regulatory environment. The central purpose of this discussion is to assist policy makers in understanding the continued importance of objective, transparent decision-making processes and how more collaborative, innovative approaches are needed in the effective functioning of the digital economy.

Day 2: 1 September

13h00-15h30 Emerging technologies and evolving regulation

Technological innovation has transformed everyday life and disrupted established industries. Artificial intelligence (AI), big data, blockchain, machine learning, Industry 4.0, and the Internet of Things (IoT) are not just buzzwords: they impact agriculture, communications, energy, healthcare, infrastructure, social welfare, and transportation. While emerging technologies may contribute to positive social change, they can also pose risks and dangers if left unchecked. This session will examine the implications of emerging technologies (e.g., AI, big data, IoT, blockchain, etc.) on regulation and policy, the role of regulators, and the impact of emerging technologies on business, access, and use. The session will cultivate the critical skills necessary for assessing emerging technologies' strengths, weaknesses, opportunities, and threats and introduce frameworks for developing regulatory responses tailored to particular contexts.

Week 2: 6 and 7 September (Tuesday and Thursday)

Day 1: 6 September

14h00-16h00 – Consumer affairs

This session will examine the importance of consumer protection and consumer empowerment in a digital environment, the roles of regulators and international bodies in the consumer support framework and highlight specific consumer issues, such as traditional issues of quality of service, contracts, billing, and complaints, as well as emerging issues linked to digital products and services.

Day2: 7 September

14h00-16h00 Data protection and protection of users

This session will examine the nature of data protection regimes and how they are overlapping, but different, to privacy laws. Consideration will be given to the main substantive components of data protection laws, in terms of obligations imposed on controllers and processors and rights granted to data subjects. The procedural frameworks will also be reviewed, particularly in terms of regulatory oversight and enforcement. The application and impact of data protection rules on specific applications and platforms will be examined, as well as the trade implications of 'data protection' constraints over international data flows, including data localization provisions. Finally, the intersection between data protection and cybersecurity will be considered, including the use of encryption.

Week 3: 13 and 15 September (Tuesday and Thursday)

Day 1: 13 September

13h00-14h30 Competition and economics

This session will examine how the new digital environment is affecting the structure of communication services markets, undermining established patterns of competition and creating new market dynamics that require substantially different forms of economic regulation. The session will therefore address the transition from traditional forms of telecommunications regulation to the new digital environment to understand what aspects of the legacy framework need to be retained and what needs to be modified or replaced to be effective and relevant in the digital economy.

14h30- 16h00 Infrastructure sharing (including with other utilities, co-investment, co-deployment, etc.) and mapping.

This session will examine infrastructure sharing approaches and regulatory requirements highlighting good practices and cases studies of co-deployment, co-investment, sharing of passive and active infrastructure, sharing with other utilities, and examine mapping requirements.

Day 2: 15 September

13h00-14h30 Financing universal access

The session will present challenges and potential policies related to three pillars: connectivity and availability, affordability, and inclusion. It also discusses the need to incorporate monitoring and evaluation of universal access policies. The focus will also be on universal service financing mechanisms, policies and strategies fostering universal access to digital services and technologies, USF2.0 review and projects and programmes funding. The session will also enable participants to explore the efficiency toolkit in greater details.

14h30-16h00 Regulatory Sandboxes

This session will present the regulatory sandboxes experiences carried out by regulators across the globe to foster innovation, test new regulatory practices and learn from good practices in driving digital transformation.

Week 4: 20 and 22 September (Tuesday and Thursday)

Day 1: 20 September

13h00-14h15 Online security, national strategies and protection of critical information infrastructure (with the World Bank)

The session will examine cybersecurity strategies, addressing national cyber-risks, cybersecurity governance and the role of the regulator, implementation plans, CII protection.

14h30-16h00 Emergency communications and the role of regulators

The session will discuss the importance of emergency telecom/ICTs regulations and planning for disaster risk management; establish the principal objectives and activities that telecom/ICT regulators should adopt to be better prepared; and detail the main elements that sectoral authorities should consider (contingency plan) to

prepare for and respond to a health emergency such as a pandemic, looking at international good practices, study cases and other practical considerations for developing effective telecom/ICT regulations for contingency planning.

Day 2: 22 September

13h00-14h30 Evidence-based decision making tools and the impact of regulation

This session will provide a detailed overview and hands-on practical use of the evidence-based decision-making tools (e.g. econometric modelling and ICT Impact policy Lab).

14h30-16h00 Digital financial services

The main objectives of this session is to build an understanding of digital financial services (DFS) and digital financial inclusion (DFI) ecosystem, stakeholders, drivers, opportunities and global trends; and build knowledge on the types of digital payments, technologies associated, standards, implementation mechanisms, interoperability and security basics, to understand the policies, regulations, guidelines and consumer protection issues relating to DFS and DFI; and to share case studies of digital payments

7. TRAINING COURSE SCHEDULE

Week / Session	Topic	Exercises and interactions
Week 1 : Day 1 Day 2	Introduction to digital regulation Regulatory governance Emerging technologies and evolving regulation	Each participant has to: <ul style="list-style-type: none"> • Read material posted on the platform • Participate actively in the Zoom session (start time at 13h00-16h30 CET) • Answer quiz in the platform
Week 2 : Day 1 Day 2	Consumer affairs Data protection	Each participant has to: <ul style="list-style-type: none"> • Read the related material posted on the platform • Participate actively in the Zoom session (start time at 14h00-16h30 CET) • Answer quiz in the platform
Week 3 : Day 1	Competition and economics	Each participant has to: <ul style="list-style-type: none"> • Read the related material posted on the platform

<p>Day 2</p>	<p>Infrastructure sharing</p> <p>Financing universal access efficiency toolkit</p> <p>Regulatory sandboxes</p>	<ul style="list-style-type: none"> • Participate actively in the Zoom session (start time at 13h00-16h30 CET) • Answer quiz in the platform
<p>Week 4 :</p> <p>Day 1</p> <p>Day 2</p>	<p>Online security, national strategies and protection of critical information infrastructure</p> <p>Emergency communications</p> <p>Evidence-based decision making tools and the impact of regulation</p> <p>Digital financial services</p>	<p>Each participant has to:</p> <ul style="list-style-type: none"> • Read the related material posted on the platform • Participate actively in the Zoom session (start time at 13h00-16h30 CET) <p>Answer quiz in the platform</p>

8. METHODOLOGY (Didactic approach)

This course will be delivered using instructor-led online learning. The course is delivered using power-point slides posted on the course page and selected reference materials that the participants have to revise, study, participate in scheduled activities and undertake self-assessments. Students will reinforce their understanding of the topics studied by drawing on their specific environments and are encouraged to consult with experienced colleagues who are working on a relevant topic. The following methods will be used for this course:

- Self-study of PPTs and reference materials;
- Instructor led presentations made through Zoom;
- Interactive chat - forum discussions via Zoom and ITU Academy platform; and
- Quiz to be answered at the end of the core sessions.

9. EVALUATION AND GRADING

Students' performance in this course will be determined using a combination of grades for the forum, participation in chats/zoom sessions and self-assessment quizzes.

Where:

- Participation in the Chat or Zoom sessions will be awarded 30 per cent.

- Self- Assessments quizzes will be worth 70 per cent of the final grade of the course.
6 questions per quiz.

Total score higher than 60% is required to obtain the ITU certificate.

10. TRAINING COURSE COORDINATION

ITU coordinator: Name: Nancy Sundberg Email address: nancy.sundberg@itu.int	CITC coordinator: Name: Shahad AlBalawi Email address: sbalawi@citc.gov.sa
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