



**APCICT**

Asian and Pacific Training Centre  
for Information and Communication  
Technology for Development

# National Training on Digital Transformation, Information Security and Privacy

*10-13 September 2024 (Ashgabat)*

## BACKGROUND

Digital transformation and information security and privacy are closely linked. While digital transformation brings about significant advancements and opportunities, it also requires governments to prioritize information security and privacy. In an era of increasing reliance on technologies, countries are becoming more vulnerable to various forms of information system attacks, including cyber intrusions, cyber-terrorism, and cybercrime. These threats can have severe consequences for national security, economic stability, and individual privacy. Unfortunately, many countries often lack the necessary capacity and resources to address these threats effectively. It is imperative for countries to develop comprehensive legal frameworks, national cybersecurity strategies, and infrastructure and establish robust systems to safeguard against security threats.

The Asian and Pacific Training Centre for ICT for Development (APCICT/ESCAP), in partnership with the Academy of Science, is organizing a national training on Digital Government and Transformation and Information Security and Privacy, scheduled for 10-13 September 2024. The training will provide an overview of how digital technologies can enhance the quality of governance and public administration. It will focus on key principles that are considered essential for formulating effective digital government strategies and policies. The training will emphasize the need for a comprehensive, long-term strategy for digital government initiatives. It will delve into the common pillars that underpin such strategies, including digital infrastructure, digitally enabled services, capacity building, and regulatory policies. The training will equip participants with the knowledge and skills required to address the challenges posed by digital transformation while effectively safeguarding information security and privacy. Participants will gain insights into the best practices, frameworks, and tools for ensuring information security and privacy in the digital government landscape.

## OBJECTIVES

At the end of the programme, participants are expected to:

- Have greater appreciation of the growing pervasiveness of digital technologies in our public and private spheres and how the adoption of these technologies can impact governance;
- Understand the causes of failures of digital government projects; explore the use of design thinking in public service delivery; and discuss collaborative and participatory tools and methods to encourage both citizens and civil servants to participate in the design of digital government services;
- Explain components of Digital Government strategies and plans, and the associated processes; expand on the regulations and legal framework required for effective digital government transformation; and
- Understand the different phases involved in implementing a digital government project life cycle; explore the emerging trends in digital government program implementation.
- Appreciate the importance of information security and privacy and related concepts; identify threats to security and privacy; and
- Assess existing information security policy in terms of international standards of information security and privacy protection.

## TARGET PARTICIPANTS

- This training targets managers and mid-level professionals from central and local governments, as well as government officials responsible for the development and implementation of digital initiatives.

## RESOURCE PERSONS

- Mr. Amit Prakash, Professor, International Institute of Information Technology Bangalore (IIITB)
- Mr. Freddy Tan, Managing Director, EPIC Cybersecurity

## CONTACT

- Ms. Nuankae Wongthawatchai, Programme Officer, APCICT/ESCAP, [wongthawatchai@un.org](mailto:wongthawatchai@un.org)

## PROGRAMME

Time	10 September 2024 Venue (Preliminary) – Grand Turkmen Hotel, Conference Hall
09:30 – 10:00	<b>Registration</b>
10:00 – 10:30	<b>Opening Session</b> <ul style="list-style-type: none"> <li>▪ Welcome Remarks <ul style="list-style-type: none"> <li>• Welcome remarks from the Academy of Science</li> <li>• Mr. Dmitry Shlapachenko, UN Resident Coordinator</li> <li>• Mr. Kiyoung Ko, Director, APCICT/ESCAP (via virtual connection)</li> </ul> </li> <li>▪ Group Photo</li> </ul>
10:30-10:50	<i>Coffee break</i>
	<b>Digital Government and Transformation</b> <i>Resource Person: Amit Prakash, Professor, International Institute of Information Technology Bangalore (IIITB)</i>
10:50-11:10	<b>Session 1: Digital Technology in Everyday Life and Governance</b> Self-introduction of participants. The session discusses the growing pervasiveness of digital technologies in our public and private spheres, and how the adoption of these technologies can impact governance; elaborates on the causes of failure of digital government projects; and establishes the linkages between Sustainable Development Goals agenda-related values of good governance and how digital technologies can help achieve them.
11:10-12:00	<b>Session 2 Design Approaches</b> The session explores the use of design thinking in public service delivery. It discusses collaborative and participatory tools and methods to encourage citizens and civil servants to participate in the design of digital government services.
12:00-13:30	<i>Lunch Break</i>
13:30-15:00	<b>Session 3: Government Strategies</b> The session explains components of digital Government strategies and plans, and the associated processes; discusses the key components of a digital government strategy; and expands on the regulations and legal framework required for effective digital government transformation.  <i>National Presentation: Digital Government &amp; Transformation Strategy in Turkmenistan (Presenter identified by the Academy of Science)</i>
15:00-15:15	<i>Coffee Break</i>
15:15-17:00	<b>Session 4: Implementing Digital Government Programs and Projects</b> The session discusses sector-specific cases where digital government programs can contribute to citizen-centric services; introduces the different phases involved in implementing a digital government project life cycle; and explores the emerging trends in digital government program implementation.

Time*	11 September 2024 Venue (Preliminary) – Grand Turkmen Hotel, Conference Hall
9:00-9:15	Registration
9:15-10:45	<b>Session 5: Emerging Technologies</b> The session discusses key emerging digital government trends; explores the potential of Artificial Intelligence technologies in digital government and highlights the ethical concerns associated with artificial intelligence; and discusses the need for and importance of robust data governance and digital identity systems.
10:45-11:00	<i>Coffee Break</i>
10:45 - 12:30	<b>Session 6: Digital Government Reforms: The Way Forward (Part I)</b> The concluding session provides recommendations and actions for governments to fully realize the promises of digital government and transformation while proactively responding to their challenges.
12:30 – 14:00	<i>Lunch</i>
14:00 - 15:30	<b>Session 7: Digital Government Reforms: The Way Forward (Part II)</b>
15:00-15:15	<i>Coffee Break</i>
15:15-16:00	<b>Session 8: Discussion and Wrap-up</b>

Time	12 September 2024 Venue (Preliminary) – Grand Turkmen Hotel, Conference Hall
	<b>Information Security and Privacy</b> <i>Resource Person: Mr. Freddy Tan, Managing Director, EPIC Cybersecurity</i>
09:00 - 10:30	<b>Session 1: Introduction to Information Security and Privacy training module</b> <ul style="list-style-type: none"> <li>▪ Introduces the fundamental concepts of information security and security and structure of this training module.</li> </ul>
10:30 – 10:45	<i>Break</i>
10:45 – 12:00	<b>Session 2: Need for Information Security</b> <ul style="list-style-type: none"> <li>▪ Explains the concept of information and information security; and</li> <li>▪ Describes standards applied to information security activities.</li> </ul>
12:00 – 13:30	<i>Lunch</i>
13:30 - 15:00	<b>Session 3: Information Security Trends and Directions</b> <ul style="list-style-type: none"> <li>▪ Provides an overview of threats to information security; and</li> <li>▪ Describes countermeasures against such threats.</li> </ul>
15:00 – 15:15	<i>Coffee Break</i>

15:15 - 16:30	<p><b>Session 4: Information Security Activities</b></p> <ul style="list-style-type: none"> <li>▪ Provides examples of information security activities of various countries to serve as a guide in information security policymaking; and</li> <li>▪ Highlights international cooperation in implementing information security policy.</li> </ul> <p><i>National Presentation: Digital Government &amp; Transformation Strategy in Turkmenistan (Presenter identified by the Academy of Science)</i></p>
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Time	13 September 2024 Venue (Preliminary) – Grand Turkmen Hotel, Conference Hall
09:00 - 10:30	<p><b>Session 5: Information Security Methodology</b></p> <ul style="list-style-type: none"> <li>▪ Describes internationally used administrative, physical and technical information security methodology.</li> </ul>
10:30 – 10:45	<i>Break</i>
10:45 – 12:00	<p><b>Session 6: Protection of Privacy</b></p> <ul style="list-style-type: none"> <li>▪ Traces changes in the concept of privacy; describes international trends in privacy protection; and</li> <li>▪ Provides an overview and examples of Privacy Impact Assessment.</li> </ul>
12:00 – 13:30	<i>Lunch</i>
13:30 - 15:00	<p><b>Session 7: CSIRT Establishment and Operation</b></p> <ul style="list-style-type: none"> <li>▪ Explains how to establish and operate a national Computer Security Incident Response Team (CSIRT); and</li> <li>▪ Provides models of CSIRT from various countries.</li> </ul>
15:00 – 15:15	<i>Break</i>
15:15 - 16:30	<p><b>Session 8: Lifecycle of Information Security Policy</b></p> <ul style="list-style-type: none"> <li>▪ Give an overview of the information security policymaking process; and</li> <li>▪ Discuss issues that policymakers must consider in information security policymaking.</li> </ul>
16:30 – 17:00	<p><b>Discussion and Wrap-up</b> <b>Evaluation and Closing</b></p>