<u>Republic of Armenia</u>

·   **What are the challenges and opportunities faced by policy makers and regulators in embracing transformative technologies for greater impact?**

In developing policies, the Ministry of High-Tech Industry of the Republic of Armenia and the interested bodies of the Republic of Armenia are mainly faced with the problem of a limited resource of radio frequencies necessary for new technologies.

Ensuring cybersecurity and protecting data privacy are also important challenges, especially as Armenia seeks to digitize more aspects of its economy and society.

In the technology sector, Armenia has great potential and a vibrant innovation ecosystem that can create a strong foundation for the development and application of transformative technologies. The Armenian government supports the technology sector through initiatives such as tax incentives, funding for startups, and the creation of innovation centers.

The use of transformative technologies can accelerate Armenia's digital transformation in a number of sectors, including healthcare, education, finance, agriculture and others. Building the infrastructure needed to support transformative technologies such as high-speed Internet and data centers requires significant investment and close collaboration among multiple stakeholders.

· **What are the key regulatory measures and guiding principles to follow to foster positive and inclusive impact of transformative technologies?**

-   Promoting digital access by investing in infrastructure development, expanding internet connectivity, and providing training and education programs to equip citizens with the skills and resources to take advantage of transformative technologies. Creating a favorable environment for innovation.
-   Implementing risk management and mitigation measures to mitigate potential risks associated with transformative technologies, such as cybersecurity threats, potential job losses associated with artificial intelligence, and other unintended consequences.
-   Investing in capacity-building and awareness initiatives to improve the knowledge and skills of policymakers, regulators, industry stakeholders and the public about the opportunities and challenges of transformative technologies.
-   Encouraging cross-sector collaboration between various government agencies, regulators and academic institutions to address complex problems and promote integrated approaches to regulation.

A necessary condition for the introduction and widespread use of transformative technologies in the territory of the Republic of Armenia is the availability of broadband electronic

communication networks and the high-speed data transmission and Internet access services they provide.

The elaboration and adoption of a policy for the development of the field of electronic communications, provided for by the Law "On Electronic Communications", will contribute to the effectiveness of the above-mentioned work on the development of network infrastructure and the launch of related services, and, as expected, the result will contribute to the introduction and widespread use of transformative technologies in the country.

**· How to drive positive behaviors of market players? How to minimize risks while maximizing benefits?**

- Encourage responsible innovation by promoting collaboration among technology developers, researchers, policymakers, and civil society organizations.
- Raise awareness among stakeholders, including policymakers, businesses and the general public, of the potential risks and benefits of transformative technologies.
- Conduct thorough risk assessments to identify potential risks associated with transformative technologies and develop strategies to mitigate those risks.
- Develop a system of regulations that provide clear guidance on acceptable practices and behavior.
- Promote public-private partnerships to address shared challenges and promote best practices in the development and implementation of transformative technologies. Collaboration between government, industry, academia and civil society can help leverage resources and expertise to achieve common goals.
- Promote international cooperation by ensuring transformative technologies are developed and applied in ways that contribute to peace, security and sustainable development.