



Transmission Corporation of Andhra Pradesh Limited



INFORMATION & COMMUNICATION TECHNOLOGY POLICY

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1. Introduction

Information and Communications Technology policies vary depending on the country's priorities, level of ICT development, regulatory environment, and socio-economic context. They serve as foundational frameworks that guide stakeholders, including government agencies, private sector entities, civil society organizations, and citizens, in leveraging ICT for sustainable development, economic growth, and improved quality of life.

Purpose

Information and Communications Technology policies are essential for guiding the development, regulation, and utilization of ICT to achieve specific goals related to economic growth, social development, governance, and digital inclusion

Scope

This procedure pertains solely to electronic data stored on the Servers or Network enabled devices of APTRANSCO CO and AP TRANSCO Power Station.

2. Key components included in an ITC

- 1. Vision and Objectives:** Clearly state the vision and overarching objectives that the ICT policy aims to achieve. This may include goals related to economic development, digital inclusion, improved public services, innovation, and cybersecurity.
- 2. Regulatory Framework:** Define the legal and regulatory framework governing ICT activities, including data protection, privacy, cybersecurity, intellectual property rights, and telecommunications regulations.
- 3. Infrastructure Development:** Outline strategies and targets for expanding and enhancing ICT infrastructure, including broadband networks, mobile connectivity, data centres, and digital platforms.
- 4. Digital Inclusion:** Address strategies to bridge the digital divide and ensure equitable access to ICT resources and services across different segments of society, including rural areas and marginalized communities.
- 5. E-Government:** Promote the use of ICT to improve government efficiency, transparency, and service delivery through initiatives such as online portals, digital payments, e-procurement, and electronic voting systems.
- 6. Cybersecurity:** Establish policies and measures to enhance cyber security, protect critical infrastructure, mitigate cyber threats, and promote secure use of ICT systems and networks.
- 7. Data Protection and Privacy:** Ensure compliance with data protection laws and regulations, specify guidelines for the collection, storage, processing, and sharing of personal and sensitive data, and promote best practices in data privacy management.
- 8. ICT Industry Development:** Support the growth and competitiveness of the ICT sector through incentives, investment promotion, research and development (R&D) initiatives, and fostering innovation and entrepreneurship.

9. **Education and Capacity Building:** Integrate ICT into education curricula, promote digital literacy programs, and provide training and skills development to enhance ICT competence among citizens, businesses, and government officials.
10. **International Cooperation:** Engage in international collaboration on ICT issues, including harmonizing standards, promoting interoperability, addressing cross-border data flows, and participating in global ICT governance forums.
11. **Monitoring and Evaluation:** Establish mechanisms for monitoring the implementation of the ICT policy, assessing its impact, and making adjustments as necessary to ensure alignment with strategic objectives and emerging technological trends.
12. **Sustainability and Green ICT:** Address environmental sustainability concerns related to ICT infrastructure and operations, promote energy-efficient technologies, and minimize the carbon footprint of ICT activities.

3. Roles of Information and Communication Technology

Regulation and Standards: Establishing regulations, standards, and guidelines to ensure the effective and secure use of ICT, including data protection laws, cybersecurity measures, and spectrum management.

Economic Development: Using ICT as a catalyst for economic growth and innovation, fostering entrepreneurship, supporting ICT industries, and attracting ICT investments.

Education and Skills Development: Integrating ICT into education curricula, promoting ICT literacy, and providing training programs to develop a skilled workforce capable of utilizing ICT effectively.

Innovation and Research: Encouraging research and development in ICT, supporting technology startups, and fostering a culture of innovation within the ICT sector.

Environmental Sustainability: Addressing the environmental impact of ICT infrastructure and promoting green ICT practices.

4. Thrust areas of Information and Communication Technology

1. To increase revenues of IT and ITES (Information Technology Enabled Services)
2. To gain significant global market-share in emerging technologies and Services.
3. To promote innovation and R&D in cutting edge technologies and development of applications and solutions in areas like localization, location-based services, mobile value-added services, Cloud Computing, social media and Utility models.
4. To encourage adoption of ICTs in key economic and strategic sectors to improve their competitiveness and productivity.
5. To provide fiscal benefits to SMEs and Startups for adoption of IT in value creation.

6. To provide for mandatory delivery of and affordable access to all public services in electronic mode.
7. To enhance transparency, accountability, efficiency, reliability and decentralization in Government and in particular, in delivery of public services.
8. To make India the global hub for development of language technologies, to encourage and facilitate development of content accessible in all Indian languages and thereby help bridge the digital divide.
9. To enable access of content and ICT applications by differently-abled people to foster inclusive development.
10. To leverage ICT for expanding the workforce and enabling life-long learning.
11. To strengthen the Regulatory and Security Framework for ensuring a Secure and legally compliant Cyberspace ecosystem.
12. To adopt Open standards and promote open source and open technologies The Policy has however not yet been notified in the Official Gazette.

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