

Commonwealth Telecommunications Organisation

Country Page – Pakistan

ICT Sector Information

Sector	Information Technology
Minister for State for Information Technology and Telecommunications	Ms. Anusha Rehman
Principal Institutions	Ministry of Information Technology
Regulator	Pakistan Telecommunication Authority (PTA) - formed under the Pakistan Telecommunication Reorganization Act, 1996
Other Departments/Agencies in the Portfolio	Electronic Certification Accreditation Council (ECAC) Electronic Government Directorate (EGD) National ICT R&D Fund National Telecommunication Corporation (NTC) Pakistan Computer Bureau (PCB) Pakistan Software Export Board (PSEB) Pakistan Telecommunications Company Limited (PTCL) Pakistan Telecommunications Mobile Limited (PTML – Ufone) Paknetd Special Communication Organization (SCO) Telecom Foundation (TF) Universal Service Fund (USF) Virtual University (VU)

Mobile Operators

Operator	Technology
Mobilink	GSM, GPRS, EDGE, WiMAX
Telenor	GSM, GPRS, EDGE
Ufone	GSM, GPRS, EDGE
Warid	GSM, GPRS, EDGE
ZONG	GSM, GPRS, EDGE

CTO Niche Areas

Broadband

National Policy Documents	Broadband Policy
Agency	PTA Universal Service Fund Pakistan
Projects	Broadband Programme Optic Fiber Project
Publications	Broadband Penetration In Pakistan

Broadband Indicators¹

Indicators	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Mobile broadband subscriptions per 100 inhabitants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Fixed Broadband Subscriptions per 100 inhabitants		0.00	0.00	0.00		0.01	0.02	0.03	0.09	0.18	0.31	0.42	0.52

Cybersecurity & Cybercrime

¹ ITU statistics

Policy	Electronic Communications Ordinance
Agency	National Response Centre for Cyber Crimes (NR3C) Federal investigation Agency (Government of Pakistan)
Projects	PISA: Computer Emergency Response Team (Cyber-15) – national point of contract for reporting computer security incidents and provide technical analysis of computer security incidents
Other Resources	Cybersecurity Forum

E-Education Skill Development and Entrepreneurship

Policy Documents	Information Technology Policy Of Pakistan – Providing An Enabling Environment For It Development ICT Policy 2010 draft (Current Policy Document)
Agency	Ministry of Education
Indicators - Internet access in schools, Out of a 1–7 (best) scale	3.6
Projects	National Digital Library ICT Reforms (Computerization & Networking in Universities). Pakistan Education & Research Network (PERN/PERN2)
Publications	Ict status in higher education sector of pakistan

ICT For Disabilities

Policy Documents	ICT standards for persons with disabilities. National Policy for Persons with Disabilities 2002
Agency	Ministry of Social Welfare & Special Education
Publications	ICT for Disabled - The Pakistan Perspective -ITU

Regulatory Environments including convergence and digital broadcasting switchover

Policy Documents	Telecommunications Ordinance Act 1994 Pakistan Telecom Reorganization Act 1996 IT Policy & Action Plan 2000 De-Regulation Policy July 2003 (fixed and mobile) Mobile Cellular Phone Policy in January 2004
Agency	Pakistan Telecommunications Authority
Projects	Quality of Service Survey
Publications	Telecom Regulatory & Policy Environment In Pakistan: Results Of The 2008 Tre Survey

Youth and ICTs

Policy Documents	Information Technology Policy Of Pakistan – Providing An Enabling Environment For It Development ICT Policy 2010 draft (Current Policy Document)
Agency	Ministry of Education
Projects	Pakistan Education & Research Network

(PERN/PERN2)

ICT Sector Indicators

Indicators on ICT infrastructure and access - ²

Indicators	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Fixed telephone subscriptions	553,374	600,321	702,000	888,534	1,027,519	1,223,258	1,687,972	1,579,664	1,307,625	1,482,000	1,050,237	719,406	418,166
Fixed telephone subscriptions per 100 inhabitants	0.45	0.47	0.54	0.67	0.75	0.87	1.18	1.07	0.87	0.96	0.66	0.44	0.25
Mobile cellular telephone subscriptions	306,493	742,606	1,698,536	2,404,400	5,022,908	12,771,203	34,506,557	62,856,712	88,019,742	94,342,030	99,185,844	108,894,518	120,151,237
Mobile cellular telephone subscriptions per 100 inhabitants	0.21	0.50	1.13	1.57	3.22	8.05	21.36	38.22	52.57	55.33	57.14	61.61	66.77
Estimated Internet Users per 100 inhabitants		1.32	2.58	5.04	6.16	6.33	6.50	6.80	7.00	7.50	8.00	9.00	9.96

World Economic Forum ICT Readiness Indicators³

Laws relating to ICT, out of a 1–7 (best) scale	3.2
Mobile Network Coverage, % pop. covered	92.0

² ITU statistics

³ These indicators are derived from the World Economic Forum's Executive Opinion Survey. http://www3.weforum.org/docs/WEF_GITR_Report_2013.pdf

Broadband Internet subscriptions/100 pop	0.4
Mobile broadband subscriptions/100 pop	0.2
Households with personal computers, %	8.1
Use of virtual social networks, out of a 1–7 (best) scale	4.8
Impact of ICT on new services and products, out of a 1–7 (best) scale	3.9
Impact of ICT on new organisational models, out of a 1–7 (best) scale	3.8
Gov't Success in ICT Promotion, out of a 1–7 (best) scale	4.3
Importance of ICT to gov't vision, out of a 1–7 (best) scale	3.2
ICT use & gov't efficiency, out of a 1–7 (best) scale	3.4
Gov't Online Service Index, out of a 0-1 (best) scale	0.37
E-Participation Index, out of a 0-1 (best) scale	0.13

Source Organisation	Title of Publication
InfoDev	ICT4E in India and South Asia - Teacher Education in Pakistan Case Study
ITU	ICT as an Enabler - ITU
World Economic Forum	The Global Information Technology Report 2013