

Pakistan Profile (2018)

Various statistics (Latest data available: 2018)

Fixed-telephone subscriptions per 100 inhabitants	1.31868
Mobile-cellular subscriptions per 100 inhabitants	72.5571
Fixed (wired)-broadband subscriptions per 100 inhabitants	0.853498
Mobile-broadband subscriptions per 100 inhabitants	29.1867
Households with a computer (%)	16.15
Households with Internet access at home (%)	22.14
Individuals using the Internet (%)	15.51

Regulatory Authority (Latest data available: 2018)

Please provide the name of the Head of the Regulatory Authority [2017]	Dr. Syed Ismail Shah
Please provide the exact title of the Head of the Regulatory Authority.	Chairman
Name of the telecom/ICT regulator	Pakistan Telecommunication Authority (PTA)

Policy Maker (Latest data available: 2018)

Please provide the name and contact details of the main Policy-Maker in charge of telecommunications/ICTs	Ministry of Information Technology and Telecom
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Level of Competition (Latest data available: 2018)

Cable modem	C*
Cable Television	C*
Data2012	C*
Domestic fixed long distance	C*
Fixed Satellite Services (FSS)	C*
Fixed Wireless Broadband	C*
GMPCS (FSS/MSS)2009	C*
IMT (3G, 4G, etc.)	C*
International Gateways	C*
International Fixed Long Distance	C*
Internet Services	C*
Leased Lines	C*
Wireless Local Loop	C*
Local Fixed Line Services	C*
Mobile	C*
Mobile Satellite Services (MSS)	C*
Paging2005	C
VSAT	C*
DSL	C*

M: Monopoly
P: Partial competition (year when competition was introduced)
C: Full competition (year when competition was introduced)
N: N/A

Institutional Details (Latest data available: 2018)

Regulator autonomous in decision making	Yes
Who is responsible for approving the budget of the Regulator? [2009]	The Regulatory Authority
Legal document creating the regulator	Pakistan Telecommunication (Re-Organization) Act no XVII, promulgated in 1996 as amended in 2006
Sources of regulator's budget and % financed from each source	<ul style="list-style-type: none"> • Award/auction of mobile licence, percentage: 92.02, • Award/auction of other licence, percentage: 0.13, • Licence fees, percentage: 0.00, • Government appropriation, percentage: 0.00, • Numbering fees, percentage: 0.90, • Spectrum fees, percentage: 1.48, • Regulatory fees, percentage: 4.17, • Fines/penalties, percentage: 0.06, • Financial income, percentage: 1.07, • Other • Other, Source: Application processing fee, rental, gain on sale etc, percentage: 0.16,
Regulator also regulates other utilities	• No
Reporting requirements of the regulator	<ul style="list-style-type: none"> • Annual report to the public • Report to Board of ICT regulator • Report to Legislature/Parliament • Report to Government
Year separate regulator created	1996

Structure Regulator (Latest data available: 2018)

Please provide the name of the Head of the Regulatory Authority [2017]	Dr. Syed Ismail Shah
Please provide the exact title of the Head of the Regulatory Authority.	Chairman
Regulator is a collegial body	Yes
If Yes, please provide the total number of members/commissioners (including the Head). [2013]	3
Is the Head of the Commission also responsible for day-to-day administrative matters?	Yes
What is the normal period of appointment for the members and the Head of the Regulatory Authority? [2011]	Four years (extendable for another similar term or terms)
Please provide the total number of staff in the Regulatory Authority.	415

Regulatory Functions (Latest data available: 2018)

Entity in charge of licensing	R M*	M: Pakistan Telecommunication Authority
Entity in charge of interconnection rates	R M*	M: Pakistan Telecommunication Authority
Entity in charge of price regulation	R M*	M: Pakistan Telecommunication Authority
Entity in charge of technical standards setting	R M*	M: Pakistan Telecommunication Authority
Entity in charge of radio frequency allocation and assignment	S O M*	M: Frequency Allocation Board
Spectrum Monitoring and Enforcement	O R M*	M: Frequency Allocation Board, Pakistan Telecommunication Authority
Entity in charge of numbering	R M*	M: Pakistan Telecommunication Authority
Entity in charge of type approval	R M*	M: Pakistan Telecommunication Authority
Entity in charge of service quality monitoring²⁰¹⁵	R	
Entity in charge of universal service/access	O M*	M: Universal Service Fund (Ministry of Information Technology)
Quality of service standards setting²⁰¹⁵	R	
Entity in charge of enforcement of quality of service obligations	R M*	M: Pakistan Telecommunication Authority

Broadcasting (sound transmission)	R M*	M: Pakistan Electronic Media Regulatory Authority
Entity in charge of broadcasting content	R M*	M: Pakistan Electronic Media Regulatory Authority
Entity in charge of Information Technology	S M*	M: Ministry of Information Technology
Entity in charge of Internet content²⁰¹⁵	R M*	

S: Sector Ministry

O: Other Ministry or Government body

R: Regulatory Authority

Op: Operator

N: Not regulated

M: If more than one entity or another body is involved in this function, please explain

Universal Service - services covered and operator obligations (Latest data available: 2018)

Definition of universal service/access exists	Yes
Universal access/service policy adopted	Yes
Voice services included in Universal service/access definition	<ul style="list-style-type: none"> • Voice telephony services • Fixed line private residential service as part of universal service definition • Fixed line public payphone service as part of universal service definition • Individual mobile cellular service as part of universal service definition • Public mobile payphone service as part of universal service definition
Internet services included in Universal service/access definition	<ul style="list-style-type: none"> • Dial-up Internet access as part of universal service definition • Broadband as part of universal service definition
Other services included in Universal service/access definition	<ul style="list-style-type: none"> • Telecentres as part of universal service definition • Schools ;, • Emergency services as part of universal service definition • Women and girls
Operators under universal access/service obligation	<ul style="list-style-type: none"> • Obligations allocated on competitive basis
Operators/service providers required to offer below-cost prices	No

Financing of Universal Service activities and/or Universal Service Funds (Latest data available: 2018)

Means of financing operator(s) universal access/service obligations	<ul style="list-style-type: none"> • Universal service funds
Other financing mechanisms for the provision of Universal service	No
If Yes, please explain [2013]	Subsidized broadband rates
Operational Universal Service Fund	Yes
If Yes, when? [2004]	2004
Operators/ service providers required to contribute to USF	<ul style="list-style-type: none"> • All network/facilities-based operators • Incumbent fixed-line operator(s) • Fixed-line operators • Fixed-line operators with significant market power/dominance • Mobile operators • Mobile operators with significant market power/dominance
Means of calculating USF contribution amounts	<ul style="list-style-type: none"> • Other Indicate: 1.5% of Adjusted Annual Gross Revenue i.e. Annual Gross Revenue minus inter operator payments and PTA/FAB mandated payments as per license conditions,
USF financed by other sources	Yes
USF budget financing by source (in percentage)	<ul style="list-style-type: none"> • Other • Other percentage: From Access Promotion Contribution, please specify: As per Access Promotion Regulations 2005,
Regulator administrating USF	No
If No, name the entity responsible [2012]	Universal Service Fund Company Ltd under Ministry of IT & T

Interconnection issues (Latest data available: 2014)

Interconnection charging principle adopted • Symmetric

If asymmetric charging, how it was decided?

Approach used to regulate interconnection prices (Latest data available: 2013)

Approach used to regulate fixed termination rates LRIC

Approach used to regulate mobile termination rates LRIC

LRIC: LRIC cost model

FDC: FDC cost model

B: Benchmarking

O: Other

N: None

NGN (Latest data available: 2014)

Stage of introduction of NGN system by operators • Other, please specify: Deployed,

Cost model used (or planned) to calculate costs/tariffs of NGN Services • LRIC model

NGN - Regulation of IP networks (Latest data available: 2012)

Regulations that govern the use of IP networks for Data Services I

Regulations that govern the use of IP networks for Voice Services I

USO: Regulatory arrangements subject to universal service obligations

I: Regulatory interconnection arrangements with networks using switching circuits

B: Banning of services based on IP

No: No regulatory arrangements defined at present

O: Other