

# Ghana Profile (2018)

## Various statistics (Latest data available: 2018)

Fixed-telephone subscriptions per 100 inhabitants	0.93519
Mobile-cellular subscriptions per 100 inhabitants	137.517
Fixed (wired)-broadband subscriptions per 100 inhabitants	0.19756
Mobile-broadband subscriptions per 100 inhabitants	91.7548
Households with a computer (%)	22.5512
Households with Internet access at home (%)	35.5416
Individuals using the Internet (%)	39

## Regulatory Authority (Latest data available: 2018)

Please provide the name of the Head of the Regulatory Authority	Mr. Joe Anokye
Please provide the exact title of the Head of the Regulatory Authority.	Director General
Name of the telecom/ICT regulator	NATIONAL COMMUNICATIONS AUTHORITY

## 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 Communications
---	----------------------------

## 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)2008	P
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
Paging2006	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)

<b>Regulator autonomous in decision making</b>	Yes
<b>Who is responsible for approving the budget of the Regulator? [2009]</b>	The Board of Directors of the Regulator
<b>Legal document creating the regulator</b>	National Communications Authority Act , 1996 ACT 524
<b>Sources of regulator's budget and % financed from each source</b>	<ul style="list-style-type: none"> <li>• Licence fees, percentage: 5,</li> <li>• Numbering fees, percentage: 11,</li> </ul>
<b>Regulator also regulates other utilities</b>	• No
<b>Reporting requirements of the regulator</b>	<ul style="list-style-type: none"> <li>• Annual report to the public</li> <li>• Report to Board of ICT regulator</li> </ul>
<b>Year separate regulator created</b>	1996

### Structure Regulator (Latest data available: 2018)

<b>Please provide the name of the Head of the Regulatory Authority</b>	Mr. Joe Anokye
<b>Please provide the exact title of the Head of the Regulatory Authority.</b>	Director General
<b>Regulator is a collegial body</b>	No
<b>If Yes, please provide the total number of members/commissioners (including the Head). [2013]</b>	9
<b>Is the Head of the Commission also responsible for day-to-day administrative matters? [2013]</b>	No
<b>What is the normal period of appointment for the members and the Head of the Regulatory Authority? [2011]</b>	Board members: four years, Director General: five years
<b>Please provide the total number of staff in the Regulatory Authority.</b>	300

### Regulatory Functions (Latest data available: 2018)

<b>Entity in charge of licensing</b>	R
<b>Entity in charge of interconnection rates</b>	R
<b>Entity in charge of price regulation</b>	N
<b>Entity in charge of technical standards setting</b>	R
<b>Entity in charge of radio frequency allocation and assignment</b>	R
<b>Spectrum Monitoring and Enforcement</b>	R
<b>Entity in charge of numbering</b>	R
<b>Entity in charge of type approval</b>	R
<b>Entity in charge of service quality monitoring</b>	R
<b>Entity in charge of universal service/access</b>	R
<b>Quality of service standards setting</b>	R
<b>Entity in charge of enforcement of quality of service obligations</b>	R
<b>Broadcasting (sound transmission)</b>	R
<b>Entity in charge of broadcasting content</b>	O
<b>Entity in charge of Information Technology</b>	O
<b>Entity in charge of Internet content</b>	O

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)

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

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

<b>Means of financing operator(s) universal access/service obligations</b>	• Cross-subsidy between own services
<b>Other financing mechanisms for the provision of Universal service</b>	No
<b>If Yes, please explain [2006]</b>	The Government has set up the Ghana Investment Fund for Telecommunications as a funding mechanism which can provide a means for channeling targeted financial support to network development efforts in rural and remote areas, among other objectives.
<b>Operational Universal Service Fund</b>	Yes
<b>If Yes, when? [2004]</b>	4th quarter,2004
<b>Operators/ service providers required to contribute to USF</b>	<ul style="list-style-type: none"> <li>• Fixed-line operators</li> <li>• Mobile operators</li> </ul>
<b>Means of calculating USF contribution amounts</b>	• Percentage of total gross revenues (turnover) Percentage: 1%,
<b>USF financed by other sources</b>	Yes
<b>USF budget financing by source (in percentage)</b>	• Government budget percentage: ,
<b>Regulator administrating USF</b>	No
<b>If No, name the entity responsible [2011]</b>	Ghana Investment Fund for Electronic Communications

### Interconnection issues (Latest data available: 2018)

<b>Interconnection charging principle adopted</b>	• Symmetric
<b>If asymmetric charging, how it was decided?</b>	

## Approach used to regulate interconnection prices (Latest data available: 2014)

**Approach used to regulate fixed termination rates**      LRIC B

**Approach used to regulate mobile termination rates**      LRIC B

LRIC: LRIC cost model

FDC: FDC cost model

B: Benchmarking

O: Other

N: None

## NGN (Latest data available: 2018)

**Stage of introduction of NGN system by operators**      • Completed

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

## NGN - Regulation of IP networks (Latest data available: 2018)

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

**Regulations that govern the use of IP networks for Voice Services**      USO 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