

# Botswana Profile (2018)

## Various statistics (Latest data available: 2018)

Fixed-telephone subscriptions per 100 inhabitants	6.32106
Mobile-cellular subscriptions per 100 inhabitants	150.006
Fixed (wired)-broadband subscriptions per 100 inhabitants	1.77652
Mobile-broadband subscriptions per 100 inhabitants	77.5957
Households with a computer (%)	31.2227
Households with Internet access at home (%)	45.7228
Individuals using the Internet (%)	47

## Regulatory Authority (Latest data available: 2013)

Please provide the name of the Head of the Regulatory Authority	Mr Thari G. Pheko
Please provide the exact title of the Head of the Regulatory Authority.	Chief Executive
Name of the telecom/ICT regulator	Botswana Telecommunications Authority

## Policy Maker (Latest data available: 2010)

Please provide the name and contact details of the main Policy-Maker in charge of telecommunications/ICTs	Ministry of Communications, Science and Technology
---	--

## Level of Competition (Latest data available: 2013)

Cable modem	N	
Cable Television	N	
Data2012	C*	
Domestic fixed long distance	P*	P: 2006
Fixed Satellite Services (FSS)	P*	P: 2006
Fixed Wireless Broadband	P*	P: 2006
GMPCS (FSS/MSS)2010	C	
IMT (3G, 4G, etc.)	P*	P: 2006
International Gateways	P*	P: 2006
International Fixed Long Distance	P*	P: 2006
Internet Services	C*	
Leased Lines	P*	P: 2006
Wireless Local Loop	P*	P: 2006
Local Fixed Line Services	P*	P: 2006
Mobile	P*	P: 1996
Mobile Satellite Services (MSS)	P*	P: 1996
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: 2013)

Regulator autonomous in decision making	Yes
Who is responsible for approving the budget of the Regulator? [2009]	Sector Minister
Legal document creating the regulator	Communications Regulatory Act of 2012
Sources of regulator's budget and % financed from each source	<ul style="list-style-type: none"> <li>• Licence fees, percentage:;</li> <li>• Regulated telecom operators • Regulated telecom operators percentage: 3, percentage of operator revenue (turnover);</li> <li>• Financial income, percentage:;</li> </ul>
Regulator also regulates other utilities	
Reporting requirements of the regulator	<ul style="list-style-type: none"> <li>• Annual report to Sector Ministry</li> </ul>
Year separate regulator created	1996

### Structure Regulator (Latest data available: 2013)

Please provide the name of the Head of the Regulatory Authority	Mr Thari G. Pheko
Please provide the exact title of the Head of the Regulatory Authority.	Chief Executive
Regulator is a collegial body	Yes
If Yes, please provide the total number of members/commissioners (including the Head).	8
Is the Head of the Commission also responsible for day-to-day administrative matters?	No
What is the normal period of appointment for the members and the Head of the Regulatory Authority? [2010]	2 YEARS
Please provide the total number of staff in the Regulatory Authority.	76

### Regulatory Functions (Latest data available: 2013)

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

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: 2013)

<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>• Fixed line public payphone 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>• Emergency services as part of universal service definition</li> <li>• Services for impaired/ elderly</li> </ul>
<b>Operators under universal access/service obligation</b>	<ul style="list-style-type: none"> <li>• Obligations allocated on competitive basis</li> </ul>
<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: 2013)

<b>Means of financing operator(s) universal access/service obligations</b>	<ul style="list-style-type: none"> <li>• Direct subsidy from government</li> </ul>
<b>Other financing mechanisms for the provision of Universal service</b>	Yes
<b>If Yes, please explain</b>	smart subsidy by the Government
<b>Operational Universal Service Fund</b>	No
<b>If Yes, when? [2010]</b>	No date has been specified.
<b>Operators/ service providers required to contribute to USF</b>	
<b>Means of calculating USF contribution amounts</b>	
<b>USF financed by other sources</b>	
<b>USF budget financing by source (in percentage)</b>	
<b>Regulator administrating USF</b>	
<b>If No, name the entity responsible</b>	

### Interconnection issues (Latest data available: 2016)

<b>Interconnection charging principle adopted</b>	<ul style="list-style-type: none"> <li>• Symmetric</li> </ul>
<b>If asymmetric charging, how it was decided?</b>	

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

<b>Approach used to regulate fixed termination rates</b>	LRIC
<b>Approach used to regulate mobile termination rates</b>	LRIC

LRIC: LRIC cost model  
 FDC: FDC cost model  
 B: Benchmarking  
 O: Other  
 N: None

## NGN (Latest data available: 2017)

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

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

## NGN - Regulation of IP networks (Latest data available: 2017)

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

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

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