

# Botswana Information & Communication Technology

## Stats Brief Q2, 2023



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**GABORONE (HEAD OFFICE)**

Private Bag 0024  
Gaborone  
Tel: 3671300 Fax: 3952201  
Toll Free: 0800 600 200

**FRANCISTOWN OFFICE**

Private Bag F193,  
City of Francistown  
Tel: 241 5848,  
Fax: 241 7540

**MAUN OFFICE**

Private Bag 47  
Maun  
Tel: 371 5716  
Fax: 686 4327

**GHANZI OFFICE**

Private Bag 32  
Ghanzi  
Tel: 371 5723  
Fax: 659 7506

**E-mail:** [info@statsbots.org.bw](mailto:info@statsbots.org.bw)


**Website:** <http://www.statsbots.org.bw>

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# **Botswana Information & Communication Technology**

Stats Brief Q2, 2023

## PREFACE

This Stats Brief presents Botswana Information and Communication Technology Statistics for Q2 2023. It contains statistics relating to ICT infrastructure and services, as well as the contribution of Information and Communication Sector to the economy.

Fixed telephone line subscriptions decreased by 0.4 percent in Q2 2023, from 91,625 in Q1 2023 to 91,256, while mobile cellular telephone subscriptions went up by 1.1 percent from 4,379,999 in Q1 2023 to 4,428,276. Internet subscriptions stood at 3,002,792 in Q2 2023, an increase of 3.3 percent from 2,906,834 recorded in Q1 2023. Mobile money subscriptions increased as well, from 1,685,072 registered in Q1 2023 to 1,741,124.

Fixed to mobile telephone domestic calls traffic increased by 6.7 percent in Q2 2023, from 24.1 million minutes registered in Q1 2023 to 25.7 million minutes. Mobile to fixed telephone domestic calls traffic however declined by 5.7 percent in Q2 2023.

Fixed telephones outgoing international calls traffic rose by 16.4 percent in Q2 2023 while mobile telephones outgoing international calls traffic decreased by 2.8 percent.

The ICT sector's contribution to the economy in Q2 2023 stood at 2.5 percent of total GDP at current prices. At constant prices, the ICT sector realised an annual growth rate of 3.7 percent.

For more information and further enquiries, contact the Directorate of Stakeholder Relations at +267 367 1300. This publication, and all other Statistics Botswana outputs/publications are available on the website at <http://www.statsbots.org.bw> and at the Statistics Botswana Information Resource Centre (Head-Office, Gaborone).

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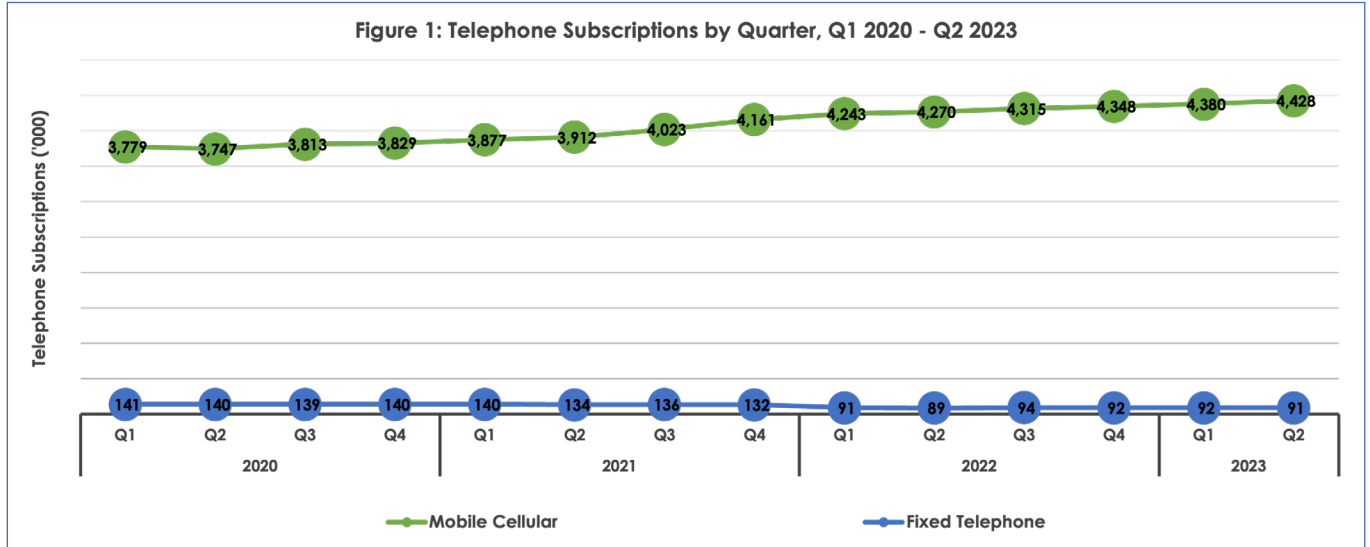


Dr. Burton Mguni  
**Statistician General**  
**January 2024**

# 1. TELECOMMUNICATION

## 1.1 Telephone Subscriptions

The quarter-on-quarter comparison of telephone subscriptions shows a decrease of 0.4 percent in fixed telephone line subscriptions and an increase of 1.1 percent in mobile cellular telephone subscriptions. Fixed telephone line subscriptions went down from 91,625 recorded in Q1 2023 to 91,256 in the current quarter, while Mobile cellular telephone subscriptions increased from 4,379,999 registered in Q1 2023 to 4,428,276. This is illustrated in **Figure 1** and **Table 1.1** below.



The year-on-year perspective shows an increase of 2.0 and 3.7 percent in fixed telephone and mobile cellular telephone subscriptions respectively. Fixed telephone line subscriptions rose from 89,487 registered in Q2 2022 to 91,256 Q2 2023, while mobile cellular telephone subscriptions went up from 4,269,919 registered in Q2 2022 to 4,428,276. Details are shown in **Table 1** in the **Appendix**.

**Table 1.1: Telephone Subscriptions by Quarter and Year, Q1 2021 - Q2 2023**

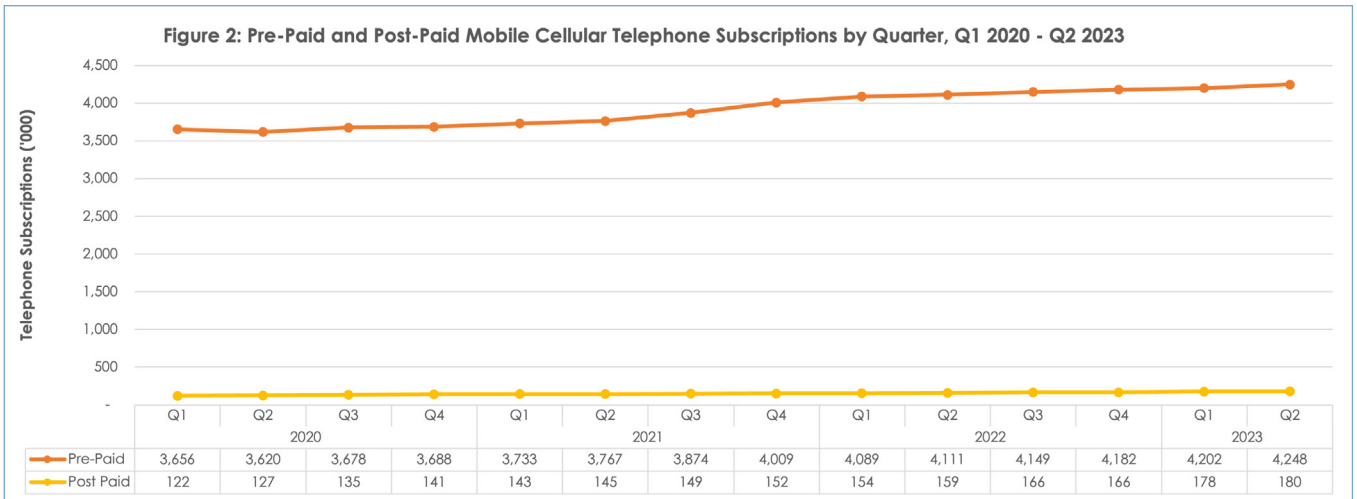
Telephone Subscriptions	2021				2022				2023	
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2
<i>Numbers</i>										
Fixed Telephone	139,930	134,498	136,356	132,457	90,518	89,487	93,925	91,725	91,625	91,256
<i>Mobile Cellular Telephone</i>										
Pre-Paid	3,733,282	3,766,580	3,873,541	4,009,022	4,089,184	4,110,829	4,149,143	4,181,783	4,201,531	4,248,430
Post Paid	143,491	145,253	149,468	151,531	153,940	159,090	166,225	166,227	178,468	179,846
<b>Total</b>	<b>3,876,773</b>	<b>3,911,833</b>	<b>4,023,009</b>	<b>4,160,553</b>	<b>4,243,124</b>	<b>4,269,919</b>	<b>4,315,368</b>	<b>4,348,010</b>	<b>4,379,999</b>	<b>4,428,276</b>
<i>Quarterly Percentage Change</i>										
Fixed Telephone	(0.1)	(3.9)	1.4	(2.9)	(31.7)	(1.1)	5.0	(2.3)	(0.1)	(0.4)
<i>Mobile Cellular Telephone</i>										
Pre-Paid	1.2	0.9	2.8	3.5	2.0	0.5	0.9	0.8	0.5	1.1
Post Paid	1.8	1.2	2.9	1.4	1.6	3.3	4.5	0.0	7.4	0.8
<b>Total</b>	<b>1.2</b>	<b>0.9</b>	<b>2.8</b>	<b>3.4</b>	<b>2.0</b>	<b>0.6</b>	<b>1.1</b>	<b>0.8</b>	<b>0.7</b>	<b>1.1</b>

Source: Information and Communication Technology Statistics, Statistics Botswana

Note: "... denotes no data

## 1.2 Mobile Cellular Telephone Subscriptions

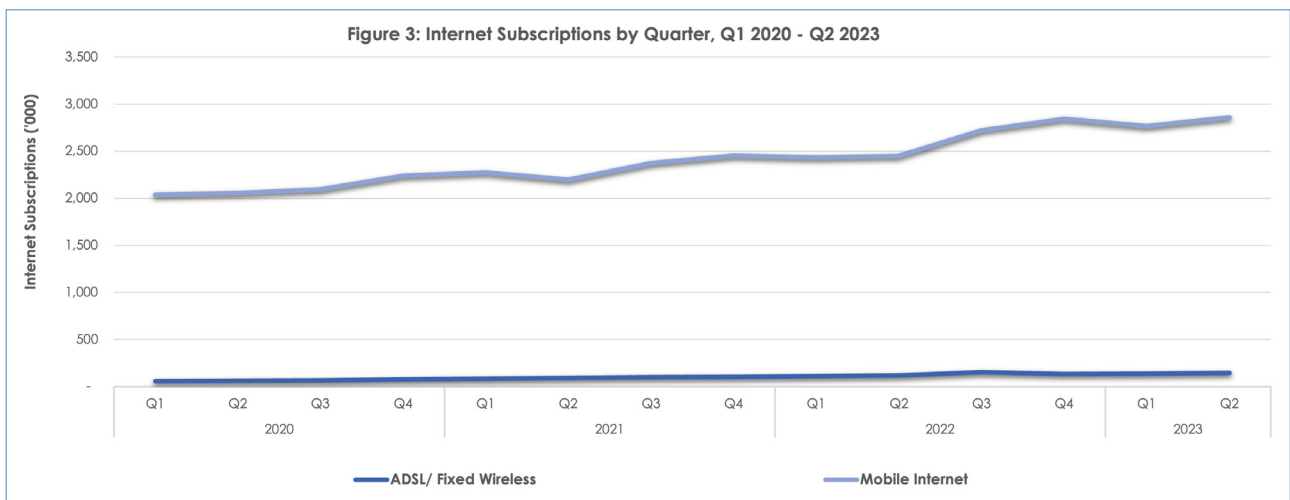
The increase of 1.1 percent in total mobile cellular telephone subscriptions during the current quarter was influenced by the increase in both pre-paid and post-paid mobile cellular telephone subscriptions. Pre-paid mobile cellular telephone subscriptions went up by 1.1 percent (from 4,201,531 in Q1 2023 to 4,248,430) while post-paid mobile cellular telephone subscriptions increased by 0.8 percent (from 178,468 in Q1 2023 to 179,846). More details are shown in **Figure 2** below and **Table 1** in the **Appendix**.



### 1.3 Internet Subscriptions

Total internet subscriptions (i.e. mobile internet plus fixed internet subscriptions) rose by 3.3 percent in Q2 2023. This was attributable to an increase in both mobile and fixed internet subscriptions. Mobile internet subscriptions went up by 3.2 percent, from 2,768,010 in Q1 2023 to 2,857,761. Fixed internet subscriptions increased by 4.5 percent, from 138,824 registered in Q1 2023 to 145,031 in Q2 2023.

Compared to the same quarter of the previous year, Q2 2023 realised an increase of 17.0 percent in total internet subscriptions, with both mobile and fixed internet subscriptions registering increases of 16.6 and 24.3 percent respectively. Details are as indicated in [Figure 3](#) below and [Table 2](#) in the [Appendix](#).

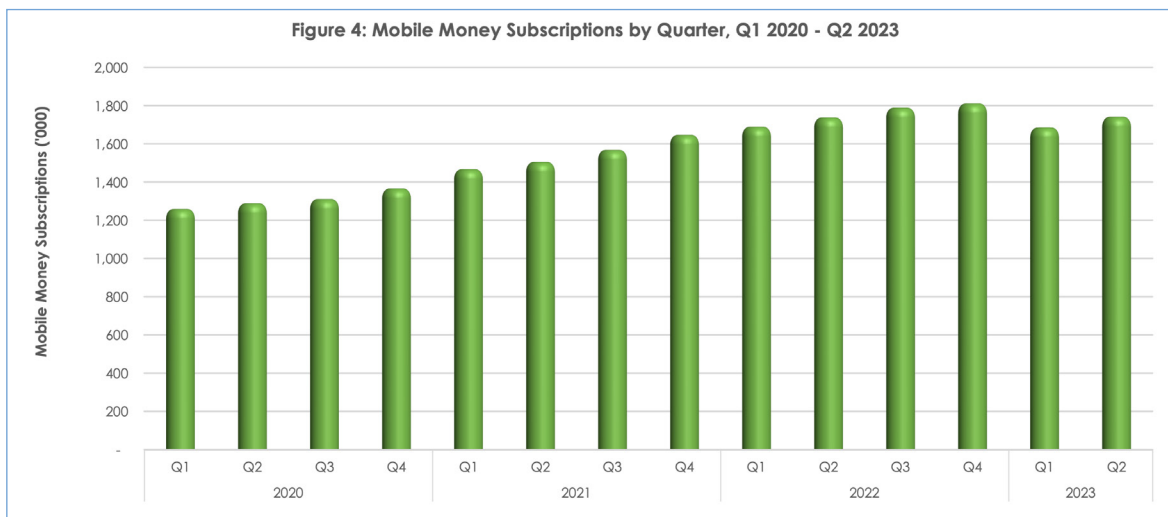


### 1.4 Mobile Money Subscriptions

Mobile money is a technology that allows customers to receive, store and spend money using a mobile cellular telephone. To enjoy the benefits of mobile money, a customer has to register and open an account with a mobile money service provider. Existing mobile money services in Botswana include Smega by BTC, Orange Money by Orange Botswana, Myzaka by Mascom and Poso Money by Botswana Post.

[Figure 4](#) below depicts mobile money subscriptions for the period 2020 to Q2 2023. The subscriptions have been fluctuating over the years. In Q2 2023, mobile money subscriptions rose by 3.3 percent, from 1,685,072 registered in Q1 2023 to 1,741,124.

Comparing Q2 2023 to the same quarter of the previous year, mobile money subscriptions increased by 0.2 percent. More details are illustrated in [Table 3](#) in the [Appendix](#).



## 1.5 Telephone Traffic

Telephone calls traffic comprises of Domestic calls, International calls and Short Message Service (SMS).

In Q2 2023, On-net fixed telephone domestic calls (Fixed to fixed telephone calls) traffic decreased by 9.2 percent, from 13.9 million minutes registered in Q1 2023 to 12.6 million. Off net fixed telephone domestic calls (Fixed to mobile telephone calls) traffic however went up by 6.7 percent, from 24.1 million minutes in Q1 2023 to 25.7 million minutes.

With regard to mobile telephone domestic calls traffic, on-net mobile telephone traffic increased by 2.0 percent in Q2 2023, from 2,010.2 million minutes registered in Q1 2023 to 2,050.7 million. Off-net mobile telephone traffic on the other hand declined by 1.4 percent in Q2 2023, from 130.8 million minutes registered in Q1 2023 to 129.0 million. Mobile to fixed telephone calls traffic fell from 54.1 million minutes in Q1 2023 to 51.0 million in the current quarter, recording a 5.7 percent decrease.

International outgoing fixed telephone calls traffic rose by 16.4 percent in Q2 2023, from 0.9 million minutes in Q1 2023 to 1.1 million. Outgoing international mobile telephone calls traffic decreased in Q2 2023, from 3.8 million minutes recorded in Q1 2023 to 3.6 million minutes registering a 2.8 percent decline.

On-net short message services (SMS) went down by 6.0 percent while off-net SMS traffic increased by 0.1 percent in Q2 2023. Details are shown in [Table 1.2](#) below and [Table 4](#) in the [Appendix](#).

**Table 1.2: Domestic and International Telephone Traffic (Minutes) by Quarter, Q1 2021 - Q2 2023**

Telephone and Short Message Service Traffic	2021				2022				2023	
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2
<b>Numbers ('000 000)</b>										
<b>Domestic Calls</b>										
Fixed to Fixed Telephone Traffic	18.6	17.3	15.5	15.8	15.7	15.0	15.4	14.1	13.9	12.6
Fixed to Mobile Telephone Traffic	27.2	25.7	25.0	25.7	26.4	24.0	23.9	23.7	24.1	25.7
On Net Mobile Telephone Traffic	1,818.9	1,860.1	2,074.5	1,998.2	1,903.2	1,945.9	2,087.6	2,071.6	2,010.2	2050.7
Off Net Mobile Telephone Traffic	189.1	185.9	178.2	182.5	155.6	148.7	146.1	148.4	130.8	129.0
Mobile to Fixed Telephone Traffic	55.8	52.8	50.8	52.4	58.4	54.5	54.8	54.2	54.1	51.0
<b>International Calls</b>										
Outgoing Fixed Telephone Traffic	1.5	1.4	1.3	1.2	1.3	1.2	1.1	1.0	0.9	1.1
Incoming Fixed Telephone Traffic	-	-	-	-	-	-	-	-	-	-
Outgoing Mobile Telephone Traffic	6.2	6.0	5.8	5.3	4.3	4.9	4.1	4.1	3.8	3.6
<b>Short Message Service</b>										
On Net	103.4	97.0	100.3	105.7	99.9	98.2	98.6	97.1	87.4	82.1
Off Net	61.1	56.0	55.6	58.0	53.4	51.1	49.5	49.3	45.1	45.1
<b>Quarterly Percentage Change</b>										
<b>Domestic Calls</b>										
Fixed to Fixed Telephone Traffic	...	(7.1)	(10.4)	1.8	(0.4)	(4.3)	2.3	(8.0)	(1.5)	(9.2)
Fixed to Mobile Telephone Traffic	...	(5.4)	(3.0)	3.1	2.5	(9.1)	(0.4)	(0.6)	1.7	6.7
On Net Mobile Telephone Traffic	...	2.3	11.5	(3.7)	(4.8)	2.2	7.3	(0.8)	(3.0)	2.0
Off Net Mobile Telephone Traffic	...	(1.7)	(4.2)	2.4	(14.7)	(4.4)	(1.8)	1.6	(11.9)	(1.4)
Mobile to Fixed Telephone Traffic	...	(5.3)	(3.8)	3.1	11.5	(6.7)	0.6	(1.1)	(0.3)	(5.7)
<b>International Calls</b>										
Outgoing Fixed Telephone Traffic	...	(5.2)	(7.5)	(6.0)	5.3	(8.5)	(4.9)	(8.2)	(7.7)	16.4
Incoming Fixed Telephone Traffic	...	-	-	-	-	-	-	-	-	-
Outgoing Mobile Telephone Traffic	...	(3.6)	(2.7)	(9.2)	(18.8)	13.6	(16.1)	0.8	(8.9)	(2.8)
<b>Short Message Service</b>										
On Net	...	(6.2)	3.4	5.3	(5.5)	(1.7)	0.4	(1.5)	(10.0)	(6.0)
Off Net	...	(8.3)	(0.8)	4.3	(7.9)	(4.2)	(3.1)	(0.5)	(8.6)	0.1

Source: Information and Communication Technology Statistics, Statistics Botswana

Note: "-" denotes zero

"..." denotes no data



## 2. CONTRIBUTION OF COMMUNICATION AND POSTAL SERVICES TO GDP

**Table 2.1** below illustrates the contribution of Information and Communication Technology (ICT) as well as Postal and Courier Services to the Gross Domestic Product (GDP).

In Q2 2023, the contribution of ICT sector to the economy stood at 2.5 percent of total GDP at both current and constant prices. The ICT sector's value added at current prices amounted to P1, 746.0 million while at constant prices it amounted to P1, 272.9 million. The sector registered an annual growth rate of 3.7 percent, in constant prices.

The Postal and Courier Services sector's value added amounted to P71.7 million in current prices, which constituted 0.1 percent of total GDP in Q2 2023. Postal and Courier Services Sector produced a value added of P44.4 million at constant prices. The sector registered an annual growth rate of 5.5 percent, in constant prices. More details are in **Table 5** in the **Appendix**.

**Table 2.1: Contribution of Information and Communication Technology (ICT) and Postal Services To GDP by Quarter and Year, Q1 2021 - Q2 2023**

	2021				2022				2023	
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2
<b>Communication &amp; Postal Services</b>										
<b>Current Prices</b>										
Total GDP (P Million)	46,929.4	48,667.3	49,286.8	50,408.8	53,830.8	58,586.1	62,496.9	65,005.0	66,880.0	70,111.0
ICT Value Added (P Million)	1,366.8	1,360.0	1,348.5	1,423.5	1,471.8	1,511.6	1,552.2	1,633.6	1,720.2	1,746.0
ICT Contribution To GDP (%)	2.9	2.8	2.7	2.8	2.7	2.6	2.5	2.5	2.6	2.5
Postal & Courier Services Value Added (P Million)	69.4	57.0	62.1	64.7	64.6	60.6	59.6	67.2	71.5	71.7
Postal & Courier Services Contribution To GDP (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Constant Prices</b>										
Total GDP (P Million)	46,314.1	46,225.6	47,821.6	46,485.3	49,501.1	8,805.6	51,085.0	49,455.3	52,256.7	50,287.6
ICT Value Added (P Million)	1,179.3	1,146.3	1,130.9	1,187.7	1,224.1	1,216.4	1,207.3	1,242.2	1,286.2	1,272.9
ICT Contribution To GDP (%)	2.5	2.5	2.4	2.6	2.5	2.5	2.4	2.5	2.5	2.5
ICT Annual Growth Rates (%)	4.0	9.6	2.4	2.1	3.8	6.1	6.8	4.6	4.8	3.7
Postal & Courier Services Value Added (P Million)	48.3	39.6	43.2	45.0	45.0	42.1	41.4	43.3	44.3	44.4
Postal & Courier Services Contribution To GDP (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Postal & Courier Services Annual Growth Rates (%)	2.1	2.1	(2.2)	2.7	(6.9)	6.3	(4.1)	(3.9)	(1.4)	5.5

Source: National Accounts, Statistics Botswana

## APPENDIX

Table 1: Telephone Subscriptions by Quarter and Year, Q1 2018 - Q2 2023

Year/Quarter		Telephone Subscriptions							
		Mobile Cellular			Fixed Telephone	Mobile Cellular			Fixed Telephone
		Pre-Paid	Post Paid	Total		Pre-Paid	Post Paid	Total	
		Numbers			Quarterly Percentage Change				
2018	Q1	3,089,505	92,086	3,181,591	141,835	...	...	...	...
	Q2	3,123,590	80,549	3,204,139	142,602	1.1	(12.5)	0.7	0.5
	Q3	3,161,505	84,928	3,246,433	143,213	1.2	5.4	1.3	0.4
	Q4	3,295,636	85,592	3,381,228	142,481	4.2	0.8	4.2	(0.5)
2019	Q1	3,266,527	86,810	3,353,337	140,202	(0.9)	1.4	(0.8)	(1.6)
	Q2	3,300,897	92,571	3,393,468	138,831	1.1	6.6	1.2	(1.0)
	Q3	3,733,341	106,677	3,840,018	140,491	13.1	15.2	13.2	1.2
	Q4	3,891,733	107,511	3,999,244	141,896	4.2	0.8	4.1	1.0
2020	Q1	3,656,209	122,492	3,778,701	140,722	(6.1)	13.9	(5.5)	(0.8)
	Q2	3,620,072	127,250	3,747,322	140,055	(1.0)	3.9	(0.8)	(0.5)
	Q3	3,678,386	134,809	3,813,195	139,281	1.6	5.9	1.8	(0.6)
	Q4	3,688,472	140,936	3,829,408	140,003	0.3	4.5	0.4	0.5
2021	Q1	3,733,282	143,491	3,876,773	139,930	1.2	1.8	1.2	(0.1)
	Q2	3,766,580	145,253	3,911,833	134,498	0.9	1.2	0.9	(3.9)
	Q3	3,873,541	149,468	4,023,009	136,356	2.8	2.9	2.8	1.4
	Q4	4,009,022	151,531	4,160,553	132,457	3.5	1.4	3.4	(2.9)
2022	Q1	4,089,184	153,940	4,243,124	90,518	2.0	1.6	2.0	(31.7)
	Q2	4,110,829	159,090	4,269,919	89,487	0.5	3.3	0.6	(1.1)
	Q3	4,149,143	166,225	4,315,368	93,925	0.9	4.5	1.1	5.0
	Q4	4,181,783	166,227	4,348,010	91,725	0.8	0.0	0.8	(2.3)
2023	Q1	4,201,531	178,468	4,379,999	91,625	0.5	7.4	0.7	(0.1)
	Q2	4,248,430	179,846	4,428,276	91,256	1.1	0.8	1.1	(0.4)

Source: Botswana Communications Regulatory Authority  
 Note: "..." denotes no data

Table 2: Internet Subscriptions by Quarter and Year, Q1 2018 - Q2 2023

Year/Quarter		Internet Subscriptions					
		ADSL/ Fixed wireless	Mobile Internet	Total	ADSL/ Fixed wireless	Mobile Internet	Total
		Numbers			Quarterly % Change		
2018	Q1	50,514	1,523,545	1,574,059	...	...	...
	Q2	53,057	1,605,727	1,658,784	5.0	5.4	5.4
	Q3	54,687	1,630,364	1,685,051	3.1	1.5	1.6
	Q4	55,390	1,749,059	1,804,449	1.3	7.3	7.1
2019	Q1	55,565	1,752,547	1,716,229	0.3	0.2	(4.9)
	Q2	60,944	1,818,007	1,878,951	9.7	3.7	9.5
	Q3	61,271	1,896,424	1,957,695	0.5	4.3	4.2
	Q4	62,058	1,965,456	2,027,515	1.3	8.4	8.2
2020	Q1	55,592	2,037,359	2,092,951	(10.4)	3.7	3.2
	Q2	62,758	2,055,764	2,118,522	12.9	0.9	1.2
	Q3	66,647	2,093,386	2,160,033	6.2	1.8	2.0
	Q4	77,353	2,240,166	2,317,519	16.1	7.0	7.3
2021	Q1	82,826	2,273,363	2,357,273	8.5	1.5	1.7
	Q2	82,946	2,197,671	2,288,041	7.7	(3.3)	(2.9)
	Q3	97,395	2,374,865	2,472,260	7.8	8.1	8.1
	Q4	101,915	2,455,623	2,557,538	4.6	3.4	3.4
2022	Q1	111,851	2,435,484	2,547,335	9.7	(0.8)	(0.4)
	Q2	116,641	2,450,505	2,567,146	4.3	0.6	0.8
	Q3	153,207	2,721,946	2,875,153	31.3	11.1	12.0
	Q4	132,887	2,844,958	2,977,845	(13.3)	4.5	3.6
2023	Q1	138,824	2,768,010	2,906,834	4.5	(2.7)	(2.4)
	Q2	145,031	2,857,761	3,002,792	4.5	3.2	3.3

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

**Table 3: Mobile Money Subscriptions by Quarter and Year, Q1 2018 - Q2 2023**

<b>Mobile Money Subscriptions</b>			
<b>Year/ Quarter</b>		<b>Numbers</b>	<b>Quarterly Percentage Change</b>
<b>2018</b>	<b>Q1</b>	851,719	...
	<b>Q2</b>	902,005	5.9
	<b>Q3</b>	934,164	3.6
	<b>Q4</b>	1,074,706	15.0
<b>2019</b>	<b>Q1</b>	1,151,584	7.2
	<b>Q2</b>	757,506	(34.2)
	<b>Q3</b>	1,292,997	70.7
	<b>Q4</b>	1,384,502	7.1
<b>2020</b>	<b>Q1</b>	1,259,182	(9.1)
	<b>Q2</b>	1,288,656	2.3
	<b>Q3</b>	1,310,641	1.7
	<b>Q4</b>	1,365,938	4.2
<b>2021</b>	<b>Q1</b>	1,466,962	7.4
	<b>Q2</b>	1,504,719	2.6
	<b>Q3</b>	1,568,363	4.2
	<b>Q4</b>	1,646,865	5.0
<b>2022</b>	<b>Q1</b>	1,689,062	2.6
	<b>Q2</b>	1,737,466	2.9
	<b>Q3</b>	1,788,551	2.9
	<b>Q4</b>	1,811,036	1.3
<b>2023</b>	<b>Q1</b>	1,685,072	(7.0)
	<b>Q2</b>	1,741,124	3.3

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 4: Domestic and International Telephone Traffic (Minutes) by Quarter and Year, Q1 2018 - Q2 2023

Year/Quarter		Telephone and Short Message Service Traffic									
		Domestic Calls					International Calls			Short Message Service	
		From Fixed Telephones	From fixed Mobile Telephones	On Net Mobile Cellular Telephone Calls	Off Net Mobile Cellular Telephone Calls	From Mobile Cellular Telephones	Outgoing from Fixed Telephones	Incoming to Fixed Telephones	Outgoing from Mobile Cellular Telephones	On Net	Off Net
2018	Q1	29,051,482	31,167,605	583,152,907	135,349,759	9,727,092	3,411,214	-	10,579,435	121,595,497	151,872,112
	Q2	40,118,866	31,847,458	248,849,839	38,528,098	3,217,349	4,520,062	-	3,885,730	84,284,330	82,126,432
	Q3	29,051,482	31,167,605	730,436,647	165,312,108	6,737,448	3,411,214	-	13,482,935	174,420,541	177,695,619
	Q4	27,180,726	32,056,516	711,914,725	132,472,504	6,981,007	3,434,211	-	6,891,130	172,698,636	137,566,702
2019	Q1	27,181,299	31,573,772	1,143,172,248	135,349,759	9,727,092	2,825,652	-	10,037,404	173,606,036	131,228,779
	Q2	23,815,395	28,819,316	1,285,607,439	142,798,477	8,329,621	2,704,286	-	12,628,861	132,886,661	144,579,482
	Q3	29,851,168	33,974,218	1,011,056,590	171,590,589	9,422,874	3,744,817	-	9,015,650	144,579,482	91,645,479
	Q4	22,794,450	26,496,430	985,418,896	137,503,751	9,763,511	2,653,915	-	8,858,345	143,152,172	157,855,498
2020	Q1	24,250,651	30,205,674	1,100,308,384	187,889,689	62,961,837	2,699,562	-	8,216,079	130,492,293	80,274,410
	Q2	16,386,507	24,378,849	1,644,389,257	170,571,174	47,483,422	3,234,515	-	6,748,608	106,028,158	63,583,841
	Q3	20,782,825	27,174,997	1,777,231,669	194,247,474	59,059,963	1,799,422	-	6,865,472	109,272,506	66,012,639
	Q4	20,106,022	29,399,328	1,787,293,432	208,023,056	60,450,409	1,724,674	-	6,858,785	110,583,362	68,478,993
2021	Q1	18,627,470	27,203,594	1,818,879,193	189,090,907	55,766,233	1,482,397	-	6,200,439	103,449,026	61,083,339
	Q2	17,304,785	25,735,141	1,860,078,597	185,945,710	52,801,580	1,405,280	-	5,980,189	97,026,663	56,012,965
	Q3	15,498,011	24,958,082	2,074,516,636	178,181,951	50,780,236	1,300,567	-	5,818,050	100,331,575	55,579,176
	Q4	15,776,249	25,739,964	1,998,217,589	182,451,428	52,371,979	1,222,445	-	5,279,882	105,694,654	57,968,568
2022	Q1	15,719,621	26,379,313	1,903,230,884	155,616,501	58,391,682	1,287,234	-	4,285,574	99,881,824	53,381,690
	Q2	15,042,392	23,970,257	1,945,856,890	148,711,103	54,480,987	1,177,963	-	4,867,801	98,172,383	51,127,179
	Q3	15,381,438	23,878,393	2,087,604,482	146,054,976	54,828,695	1,119,948	-	4,084,801	98,580,462	49,534,661
	Q4	14,147,411	23,735,756	2,071,646,931	148,445,942	54,247,427	1,028,440	-	4,119,487	97,130,920	49,281,498
2023	Q1	13,928,311	24,129,043	2,010,152,395	130,802,006	54,079,791	949,617	-	3,751,063	87,383,790	45,050,150
	Q2	12,644,785	25,735,141	2,050,679,566	129,013,759	51,001,645	1,105,280	-	3,645,946	82,132,471	45,104,620

Source: Botswana Communications Regulatory Authority  
 Note: "-" denotes zero

**Table 5: Contribution of Information & Communication Technology (ICT) and Postal & Courier Services To Gross Domestic Product by Quarter and Year, Q1 2018 - Q2 2023**

Year/ Quarter	Current Prices								Constant Prices							
	Total GDP (P Million)	ICT Value Added (P Million)	ICT Contribution To GDP (%)	ICT Annual Growth Rates (%)	Postal & Courier Services Value Added (P Million)	Postal & Courier Services Contribution To GDP (%)	Postal & Courier Services Annual Growth Rates (%)		Total GDP (P Million)	ICT Value Added (P Million)	ICT Contribution To GDP (%)	ICT Annual Growth Rates (%)	Postal & Courier Services Value Added (P Million)	Postal & Courier Services Contribution To GDP (%)	Postal & Courier Services Annual Growth Rates (%)	
2018	Q1	41,663.7	973.9	2.3	6.0	55.0	0.1	30.0	43,211.9	906.2	2.1	0.4	43.5	0.1	2.8	
	Q2	42,866.3	1,025.8	2.4	6.4	54.2	0.1	40.4	44,768.1	938.9	2.1	0.0	42.8	0.1	11.0	
	Q3	44,301.5	1,006.3	2.3	7.4	58.6	0.1	-6.9	44,402.7	921.6	2.1	2.1	46.3	0.1	-19.9	
	Q4	43,693.8	1,019.8	2.3	-18.0	59.8	0.1	8.3	45,424.5	933.0	2.1	-21.2	47.3	0.1	8.3	
2019	Q1	44,305.7	1,087.1	2.5	11.6	64.6	0.1	17.4	45,199.5	987.8	2.2	9.0	51.0	0.1	17.4	
	Q2	44,749.2	1,054.3	2.4	2.8	56.5	0.1	4.4	45,911.8	949.5	2.1	1.1	44.7	0.1	4.4	
	Q3	45,513.6	1,043.7	2.3	3.7	54.6	0.1	-6.8	45,986.9	937.1	2.0	1.7	43.2	0.1	-6.8	
	Q4	43,912.0	1,155.7	2.6	13.3	53.8	0.1	-10.0	46,030.2	1,036.2	2.3	11.1	42.5	0.1	-10.0	
2020	Q1	46,464.0	1,197.2	2.6	10.1	59.8	0.1	-7.4	45,746.7	1,059.2	2.3	7.2	47.3	0.1	-7.4	
	Q2	36,585.0	1,103.3	3.0	4.6	49.1	0.1	-13.1	33,960.0	973.4	2.9	2.5	38.8	0.1	-13.1	
	Q3	43,873.2	1,174.3	2.7	12.5	55.9	0.1	2.4	43,978.6	1,033.3	2.3	10.3	44.2	0.1	2.4	
	Q4	45,630.2	1,251.7	2.7	8.3	63.0	0.1	17.1	43,890.2	1,085.5	2.5	4.8	43.9	0.1	3.1	
2021	Q1	47,739.3	1,275.7	2.7	6.6	69.4	0.1	16.1	46,078.2	1,100.8	2.4	3.9	48.3	0.1	2.1	
	Q2	48,667.3	1,360.0	2.8	14.7	57.0	0.1	16.0	46,225.6	1,146.3	2.5	9.6	39.6	0.1	2.1	
	Q3	49,286.8	1,348.5	2.7	7.4	62.1	0.1	11.1	47,821.6	1,130.9	2.4	2.4	43.2	0.1	-2.2	
	Q4	50,408.8	1,423.5	2.8	6.1	64.7	0.1	2.7	46,485.3	1,187.7	2.6	2.1	45.0	0.1	2.7	
2022	Q1	53,830.8	1,471.8	2.7	7.7	64.6	0.1	-6.9	49,501.1	1,224.1	2.5	3.8	45.0	0.1	-6.9	
	Q2	58,586.1	1,511.6	2.6	11.1	60.6	0.1	6.3	48,805.6	1,216.4	2.5	6.1	42.1	0.1	6.3	
	Q3	62,496.9	1,552.2	2.5	15.1	59.6	0.1	(4.1)	51,085.0	1,207.3	2.4	6.8	41.4	0.1	(4.1)	
	Q4	65,005.0	1,633.6	2.5	14.8	67.2	0.1	3.9	49,455.3	1,242.2	2.5	4.6	43.3	0.1	(3.9)	
2023	Q1	66,880.0	1,720.2	2.6	16.9	71.5	0.1	10.6	52,256.7	1,286.2	2.5	4.8	44.3	0.1	(1.4)	
	Q2	70,111.0	1,746.0	2.5	14.4	71.7	0.1	18.4	50,287.6	1,272.9	2.5	3.7	44.4	0.1	5.5	

Source: National Accounts, Statistics Botswana

## APPENDIX II: DEFINITIONS

### 1.1 Fixed Telephone

Fixed telephone lines refer to a telephone line connecting a customer's terminal equipment (e.g. telephone set, facsimile machine) to the Public Switched Telephone Network (PSTN) and which has a dedicated port on a telephone exchange. This term is synonymous with the terms main station or Direct Exchange Line (DEL) that are commonly used in telecommunication documents. It may not be the same as an access line or a subscriber.

### 1.2 Mobile Cellular Phone

A mobile cellular phone refers to a portable telephone subscribing to a public mobile telephone service using cellular technology, which provides access to the PSTN. This includes analogue and digital cellular systems, as well as IMT-2000 (3G). Users of both post-paid subscriptions and pre-paid accounts are included.

### 1.3 Internet

A world-wide public computer network which provides access to a number of communication services including services including the World – Wide Web and carries email, news, entertainment and data files. Access may be any device enabling internet access (not only a computer). It may also be by mobile phone. Personal Digital Assistant (PDA), Games Machine, Digital TV etc.

### 1.4 Asymmetric Digital Subscriber line (ADSL)

**Asymmetric digital subscriber line (ADSL)** is a type of Digital Subscriber Line (DSL) technology, a data communications technology that enables faster data transmission over copper telephone lines.

### 1.5 Domestic Fixed Telephone Traffic (Minutes)

It consists of effective (completed) fixed telephone line traffic exchanged within the local charging area in which the calling station is situated. This is the area within which one subscriber can call another on payment of the local charge (if applicable). This indicator should be reported in the number of minutes.

### 1.6 National (fixed) Trunk Telephone Traffic (Minutes)

National (fixed) trunk (toll) traffic consists of effective (completed) fixed national telephone traffic exchange with a station outside the local charging area of the calling station. The indicator should be reported as the number of minutes of traffic.

### 1.7 International Outgoing Fixed Telephone Traffic (Minutes)

This covers the effective (completed) fixed traffic originating in a given country to destinations outside that country. The indicator should be reported as the number of minutes of traffic.

### 1.8 International Incoming Fixed Telephone Traffic (Minutes)

Effective (completed) fixed traffic originating outside the country with a destination inside the country. The indicator should be reported as the number of minutes of traffic.

### 1.9 Outgoing National Mobile Telephone Traffic (Minutes)

Total number of minutes made by mobile subscribers within a country (including minutes to fixed lines and minutes to other mobile subscribers).

### 1.10 SMS Traffic

Total number of mobile Short Message Service (SMS) sent, both to national and international destinations

