



Botswana Information & Communication Technology Stats Brief Q4, 2022

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STATISTICS BOTSWANA

Botswana Information & Communication Technology
Stats Brief Q4, 2022

1. INTRODUCTION

This Stats Brief presents Botswana Information and Communications Technology Statistics for Q4 2022. It contains statistics relating to ICT infrastructure and services, as well as the contribution of Information and Communication Sector to the economy.

The fixed telephone line subscriptions decreased by 2.3 percent in Q4 2022, from 93,925 registered in Q3 2022 to 91,725. Mobile cellular telephone subscriptions on the other hand registered an increase of 0.8 percent in Q4 2022, from 4,315,368 in Q3 2022 to 4,348,010. Internet subscriptions increased as well, by 3.6 percent, from 2,875,153 in Q3 2022 to 2,977,845. Mobile money subscriptions realised an increase over the two quarters, by 1.3 percent, from 1,788,551 subscriptions registered in Q3 2022 to 1,811,036.

Fixed to mobile telephone domestic calls traffic went down by 0.6 percent in Q4 2022, from 23.9 million minutes registered in Q3 2022 to 23.7 million minutes. Mobile to fixed telephone domestic calls traffic also decreased by 1.1 percent in Q4 2022. Outgoing international calls traffic from fixed telephones fell by 8.2 percent, while those from mobile telephones increased by 0.8 percent in Q4 2022.

The ICT sector made a contribution of 2.5 percent to the total GDP at current prices, in Q4 2022. At constant prices, the ICT sector realised an annual growth rate of 4.6 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).

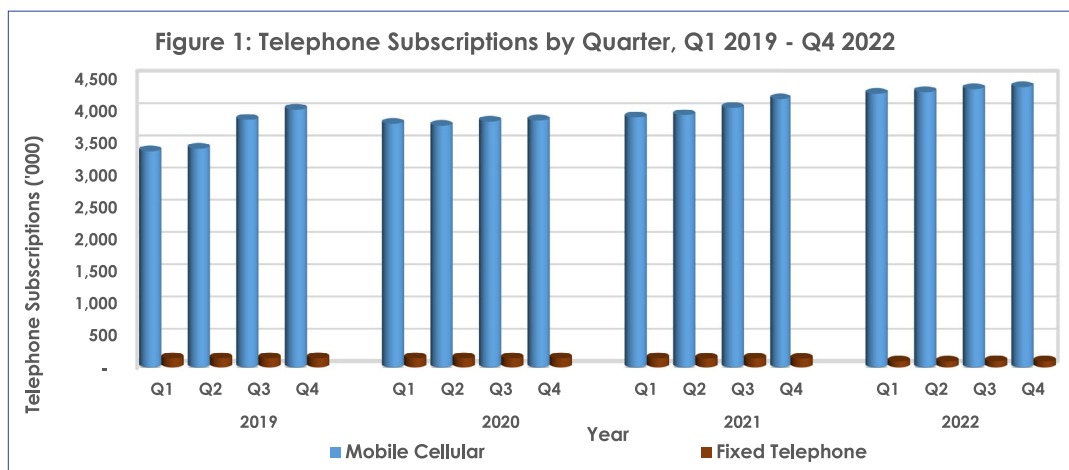
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Dr. Burton S. Mguni
Statistician General
April 2023

2. TELECOMMUNICATION

2.1 Fixed Telephone Lines and Mobile Cellular Telephone Subscriptions



Fixed telephone line subscriptions decreased by 2.3 percent in Q4 2022, from 93,925 subscriptions recorded in Q3 2022 to 91,725. Mobile cellular telephone subscriptions however increased by 0.8 percent in Q4 2022, from 4,315,368 registered in Q3 2022 to 4,348,010.

Comparing Q4 2022 to the same quarter of 2021, fixed telephone lines decreased by 30.8 percent while mobile cellular telephone subscriptions went up by 4.5 percent. This is illustrated in **Figure 1** above and **Table 2.1** below. More details are shown in **Table 1** in the **Appendix**.

Table 2.1: Telephone Subscriptions by Quarter and Year, Q1 2020 - Q4 2022

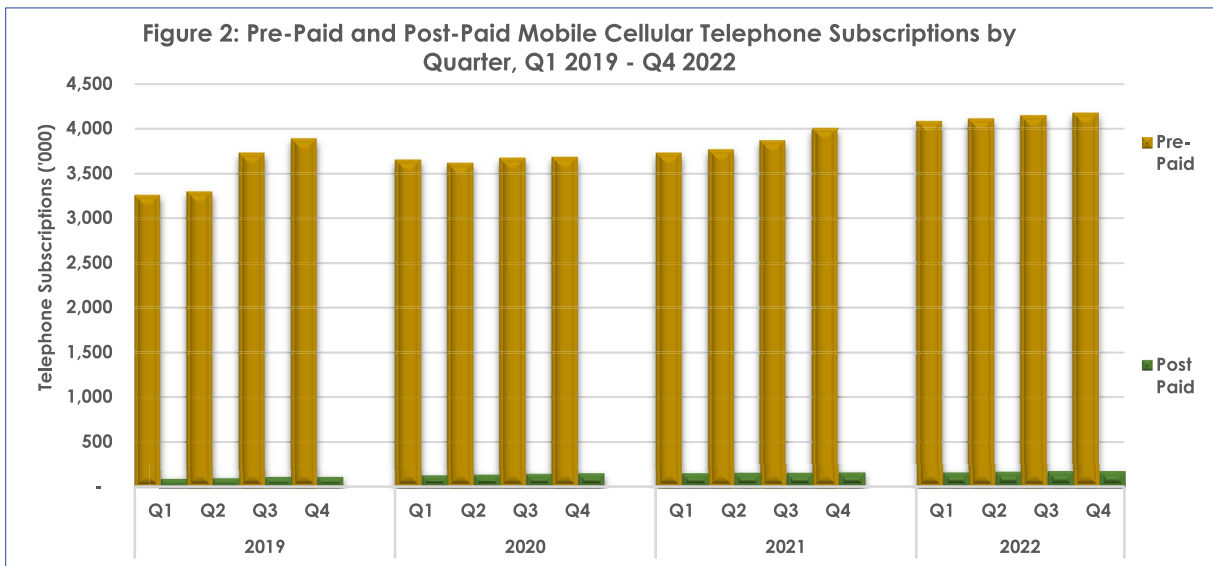
Telephone Subscriptions	2020				2021				2022			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Numbers												
Fixed Telephone	140,722	140,055	139,281	140,003	139,930	134,498	136,356	132,457	90,518	89,487	93,925	91,725
Mobile Cellular Telephone												
Pre-Paid	3,656,209	3,620,072	3,678,386	3,688,472	3,733,282	3,766,580	3,873,541	4,009,022	4,089,184	4,110,829	4,149,143	4,181,783
Post Paid	122,492	127,250	134,809	140,936	143,491	145,253	149,468	151,531	153,940	159,090	166,225	166,227
Total	3,778,701	3,747,322	3,813,195	3,829,408	3,876,773	3,911,833	4,023,009	4,160,553	4,243,124	4,269,919	4,315,368	4,348,010
Quarterly Percentage Change												
Fixed Telephone	(0.8)	(0.5)	(0.6)	0.5	(0.1)	(3.9)	1.4	(2.9)	(31.7)	(1.1)	5.0	(2.3)
Mobile Cellular Telephone												
Pre-Paid	(6.1)	(1.0)	1.6	0.3	1.2	0.9	2.8	3.5	2.0	0.5	0.9	0.8
Post Paid	13.9	3.9	5.9	4.5	1.8	1.2	2.9	1.4	1.6	3.3	4.5	0.0
Total	(5.5)	(0.8)	1.8	0.4	1.2	0.9	2.8	3.4	2.0	0.6	1.1	0.8

Source: Information and Communication Technology Statistics, Statistics Botswana

Note: "..." denotes no data

2.2 Pre-paid and Post-paid Mobile Cellular Telephone Subscriptions

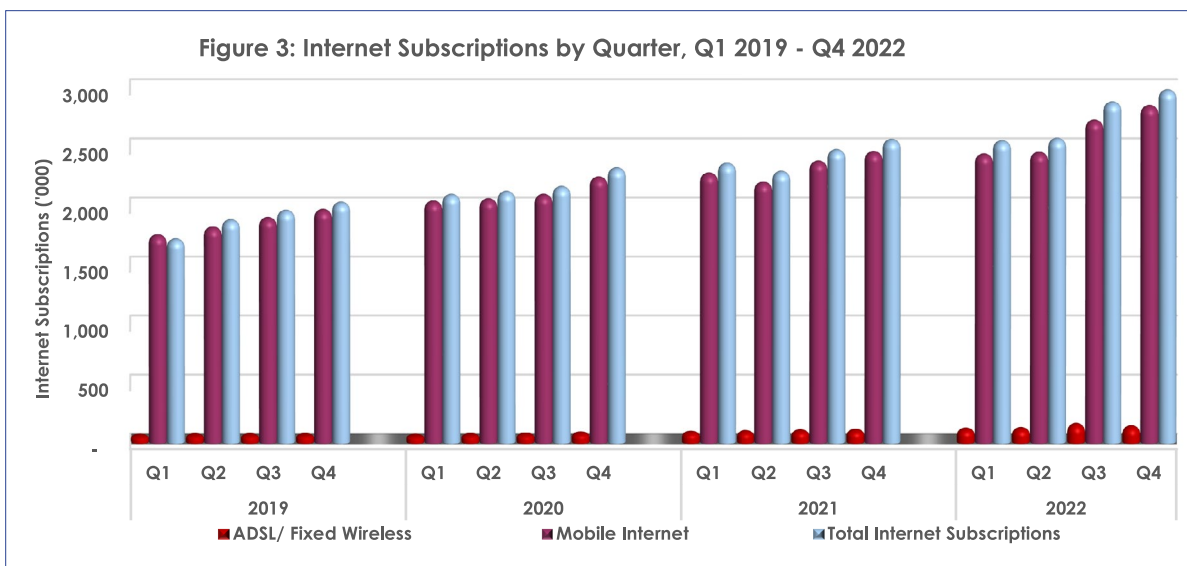
Both pre-paid and post-paid mobile cellular telephone subscriptions increased in Q4 2022. Pre-paid mobile cellular telephone subscriptions rose by 0.8 percent from 4,149,143 in Q3 2022 to 4,181,783. Post-paid mobile cellular telephone subscriptions increased slightly in Q4 2022 from 166,225 registered in Q3 2022 to 166,227. Details are shown in **Figure 2** below and **Table 1** in the **Appendix**.



2.3 Internet Subscriptions

Total internet subscriptions (i.e. mobile internet plus fixed internet subscriptions) increased by 3.6 percent in Q4 2022, from 2,875,153 registered in Q3 2022 to 2,977,845. Mobile internet subscriptions went up, registering an increase of 4.5 percent; from 2,721,946 subscriptions in Q3 2022 to 2,844,958 in Q4 2022. Meanwhile fixed internet subscriptions decreased by 13.3 percent (from 153,207 registered in Q3 2022 to 132,887 in Q4 2022).

Compared to the same quarter of the previous year, Q4 2022 realised an increase of 16.4 percent in total internet subscriptions, with both mobile and fixed internet subscriptions registering increases of 15.9 and 30.4 percent respectively. Details are as indicated in [Figure 3](#) below and [Table 2](#) in the [Appendix](#).

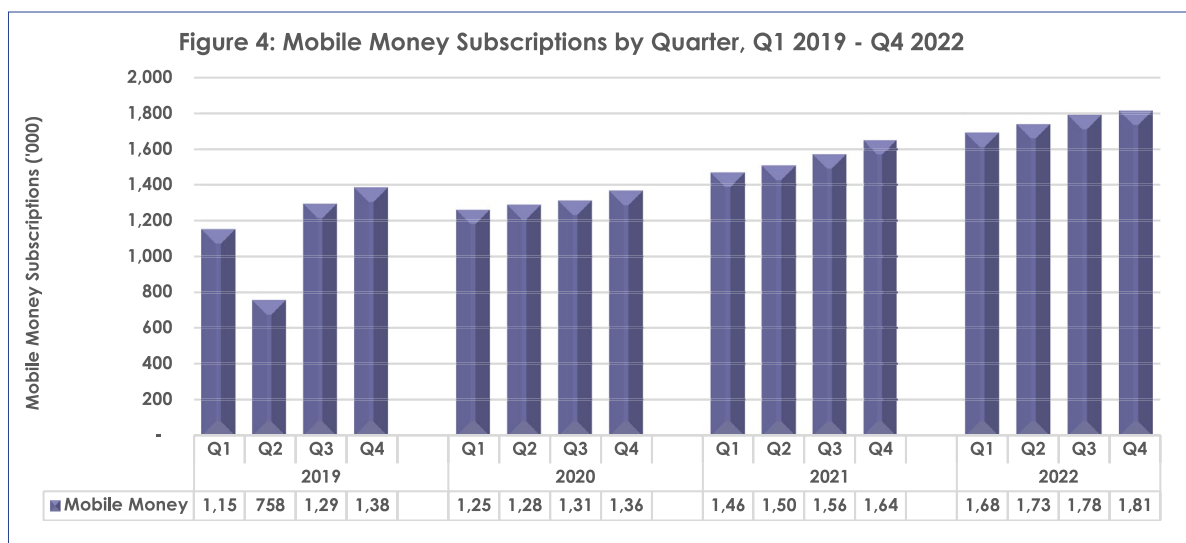


2.4 Mobile Money Subscriptions

Mobile money is a technology that allows customers to receive, store and spend money using a mobile phone. 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 shows mobile money subscriptions for the period 2019 to 2022. The subscriptions have been increasing over the years. In Q4 2022, mobile money subscriptions went up by 1.3 percent, from 1,788,551 registered in Q3 2022 to 1,811,036.

Comparing Q4 2022 to the same quarter of the previous year, mobile money subscriptions increased by 10.0 percent. More details are illustrated in **Table 3** in the **Appendix**.



2.5 Telephone Traffic

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

On-net fixed telephone domestic calls (Fixed to fixed telephone calls) traffic went down by 8.0 percent in Q4 2022, from 15.4 million minutes registered in Q3 2022 to 14.1 million.

Off net fixed telephone domestic calls (Fixed to mobile telephone calls) traffic decreased as well in Q4 2022. It went down by 0.6 percent from 23.9 million minutes in Q3 2022 to 23.7 million minutes.

With regard to mobile telephone domestic calls traffic, on-net mobile telephone traffic decreased by 0.8 percent in Q4 2022 while off-net mobile telephone traffic increased by 1.6 percent. Mobile to fixed telephone traffic decreased by 1.1 percent in Q4 2022.

International outgoing fixed telephone calls traffic declined by 8.2 percent in Q4 2022, from 1.1 million minutes in Q3 2022 to 1.0 million. Outgoing international mobile telephone calls traffic increased slightly by 0.8 percent in Q4 2022, from 4.1 million minutes recorded in Q3 2022 to the same rounded minutes of 4.1 million.

On-net short message services (SMS) declined by 1.5 percent, off-net SMS traffic also went down by 0.5 percent in Q4 2022. Details are shown in **Table 2.2** below and **Table 4** in the Appendix.

Table 2.2: Domestic and International Telephone Traffic (Minutes) by Quarter, Q1 2020 - Q4 2022

Telephone and Short Message Service Traffic	2020				2021				2022			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Numbers ('000 000)												
Domestic Calls												
Fixed to Fixed Telephone Traffic	24.3	16.4	20.8	20.1	18.6	17.3	15.5	15.8	15.7	15.0	15.4	14.1
Fixed to Mobile Telephone Traffic	30.2	24.4	27.2	29.4	27.2	25.7	25.0	25.7	26.4	24.0	23.9	23.7
On Net Mobile Telephone Traffic	1,100.3	1,644.4	1,777.2	1,787.3	1,818.9	1,860.1	2,074.5	1,998.2	1,903.2	1,945.9	2,087.6	2071.6
Off Net Mobile Telephone Traffic	187.9	170.6	194.2	208.0	189.1	185.9	178.2	182.5	155.6	148.7	146.1	148.4
Mobile to Fixed Telephone Traffic	63.0	47.5	59.1	60.5	55.8	52.8	50.8	52.4	58.4	54.5	54.8	54.2
International Calls												
Outgoing Fixed Telephone Traffic	2.7	3.2	1.8	1.7	1.5	1.4	1.3	1.2	1.3	1.2	1.1	1.0
Incoming Fixed Telephone Traffic	-	-	-	-	-	-	-	-	-	-	-	-
Outgoing Mobile Telephone Traffic	8.2	6.7	6.9	6.9	6.2	6.0	5.8	5.3	4.3	4.9	4.1	4.1
Short Message Service												
On Net	130.5	106.0	109.3	110.6	103.4	97.0	100.3	105.7	99.9	98.2	98.6	97.1
Off Net	80.3	63.6	66.0	68.5	61.1	56.0	55.6	58.0	53.4	51.1	49.5	49.3
Quarterly Percentage Change												
Domestic Calls												
Fixed to Fixed Telephone Traffic	...	(32.4)	26.8	(3.3)	(7.4)	(7.1)	(10.4)	1.8	(0.4)	(4.3)	2.3	(8.0)
Fixed to Mobile Telephone Traffic	...	(19.3)	11.5	8.2	(7.5)	(5.4)	(3.0)	3.1	2.5	(9.1)	(0.4)	(0.6)
On Net Mobile Telephone Traffic	...	49.4	8.1	0.6	1.8	2.3	11.5	(3.7)	(4.8)	2.2	7.3	(0.8)
Off Net Mobile Telephone Traffic	...	(9.2)	13.9	7.1	(9.1)	(1.7)	(4.2)	2.4	(14.7)	(4.4)	(1.8)	1.6
Mobile to Fixed Telephone Traffic	...	(24.6)	24.4	2.4	(7.7)	(5.3)	(3.8)	3.1	11.5	(6.7)	0.6	(1.1)
International Calls												
Outgoing Fixed Telephone Traffic	...	19.8	(44.4)	(4.2)	(14.0)	(5.2)	(7.5)	(6.0)	5.3	(8.5)	(4.9)	(8.2)
Incoming Fixed Telephone Traffic	...	-	-	-	-	-	-	-	-	-	-	-
Outgoing Mobile Telephone Traffic	...	(17.9)	1.7	(0.1)	(9.6)	(3.6)	(2.7)	(9.2)	(18.8)	13.6	(16.1)	0.8
Short Message Service												
On Net	...	(18.7)	3.1	1.2	(6.5)	(6.2)	3.4	5.3	(5.5)	(1.7)	0.4	(1.5)
Off Net	...	(20.8)	3.8	3.7	(10.8)	(8.3)	(0.8)	4.3	(7.9)	(4.2)	(3.1)	(0.5)

Source: Information and Communication Technology Statistics, Statistics Botswana

Note: "-" denotes zero

"..." denotes no data

3. CONTRIBUTION OF COMMUNICATION AND POSTAL SERVICES TO GDP

Table 3.1 below illustrates the contribution of Information and Communication Technology (ICT) as well as Postal and Courier Services to the Gross Domestic Product (GDP).

In Q4 2022, 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, 633.6 million while at constant prices it amounted to P1, 242.2 million. The sector registered an annual growth rate of 4.6 percent in constant prices.

The Postal and Courier Services sector's value added amounted to P67.2 million in current prices, which constituted 0.1 percent of total GDP in Q4 2022. Postal and Courier Services Sector produced a value added of P43.3 million at constant prices, also contributing 0.1 percent of total GDP. Indicate the growth rate in constant prices. More details are in **Table 5** in the **Appendix**.

Table 3.1: Contribution of Information and Communication Technology (ICT) and Postal Services To GDP by Quarter and Year, Q1 2020 - Q4 2022

ICT and Postal & Courier Services	2020				2021				2022			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Current Prices												
Total GDP (P Million)	46,066.4	36,233.7	43,641.8	45,100.0	46,929.4	48,667.3	49,286.8	50,408.8	53,830.8	58,586.1	62,496.9	65,005.0
ICT Value Added (P Million)	1,282.3	1,185.9	1,255.4	1,341.4	1,366.8	1,360.0	1,348.5	1,423.5	1,471.8	1,511.6	1,552.2	1,633.6
ICT Contribution To GDP (%)	2.8	3.3	2.9	3.0	2.9	2.8	2.7	2.8	2.7	2.6	2.5	2.5
ICT Annual Growth Rates (%)	8.2	(0.8)	2.6	8.3	6.6	14.7	7.4	6.1	7.7	11.1	15.1	14.8
Postal & Courier Services Value Added (P Million)												
	59.8	49.1	55.9	63.0	69.4	57.0	62.1	64.7	64.6	60.6	59.6	67.2
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	0.1	0.1
Postal & Courier Services Annual Growth Rates (%)												
	(7.4)	(13.1)	2.4	17.1	16.1	16.0	11.1	2.7	(6.9)	6.3	(4.1)	3.9
Constant Prices												
Total GDP (P Million)	45,856.1	33,710.3	44,125.9	44,033.5	46,314.1	46,225.6	47,821.6	46,485.3	49,501.1	48,805.6	51,085.0	49,455.3
ICT Value Added (P Million)	1,134.4	1,046.1	1,104.6	1,163.3	1,179.3	1,146.3	1,130.9	1,187.7	1,224.1	1,216.4	1,207.3	1,242.2
ICT Contribution To GDP (%)	2.5	3.1	2.5	2.6	2.5	2.5	2.4	2.6	2.5	2.5	2.4	2.5
ICT Annual Growth Rates (%)	5.3	(2.8)	0.5	4.7	4.0	9.6	2.4	2.1	3.8	6.1	6.8	4.6
Postal & Courier Services Value Added (P Million)												
	47.3	38.8	44.2	43.9	48.3	39.6	43.2	45.0	45.0	42.1	41.4	43.3
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	0.1	0.1
Postal & Courier Services Annual Growth Rates (%)												
	(7.4)	(13.1)	2.4	3.1	2.1	2.1	(2.2)	2.7	(6.9)	6.3	(4.1)	(3.9)

Source: National Accounts, Statistics Botswana

APPENDIX

Table 1: Telephone Subscriptions by Quarter and Year, Q1 2015 - Q4 2022

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					
2015	Q1	3,324,654	81,233	3,405,887	169,474
	Q2	3,334,807	79,851	3,414,658	171,006	0.3	(1.7)	0.3	0.9
	Q3	3,361,527	78,150	3,439,677	172,920	0.8	(2.1)	0.7	1.1
	Q4	3,395,758	79,569	3,475,327	160,490	1.0	1.8	1.0	(7.2)
2016	Q1	3,379,127	81,204	3,460,331	161,641	(0.5)	2.1	(0.4)	0.7
	Q2	3,176,217	77,984	3,254,201	163,719	(6.0)	(4.0)	(6.0)	1.3
	Q3	3,194,444	80,678	3,275,122	141,954	0.6	3.5	0.6	(13.3)
	Q4	3,209,519	79,467	3,288,986	142,122	0.5	(1.5)	0.4	0.1
2017	Q1	3,150,273	76,116	3,226,389	140,873	(1.8)	(4.2)	(1.9)	(0.9)
	Q2	3,144,258	76,574	3,220,832	141,882	(0.2)	0.6	(0.2)	0.7
	Q3	3,013,825	83,092	3,096,917	142,816	(4.1)	8.5	(3.8)	0.7
	Q4	3,168,194	81,709	3,249,903	141,207	5.1	(1.7)	4.9	(1.1)
2018	Q1	3,089,505	92,086	3,181,591	141,835	(2.5)	12.7	(2.1)	0.4
	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)

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 2: Internet Subscriptions by Quarter and Year, Q1 2015 - Q4 2022

Year/Quarter	Internet Subscriptions							
	ADSL/ Fixed wireless	Mobile Internet	Total	ADSL/ Fixed wireless	Mobile Internet	Total		
			Numbers			Quarterly Percentage Change		
2015	Q1	34,435	1,188,640	1,223,075	
	Q2	35,641	1,245,994	1,281,635	3.5	4.8	4.8	
	Q3	36,272	1,295,663	1,331,935	1.8	4.0	3.9	
	Q4	36,845	1,384,146	1,420,991	1.6	6.8	6.7	
2016	Q1	37,366	1,360,236	1,397,602	1.4	(1.7)	(1.7)	
	Q2	38,622	1,272,521	1,311,143	3.4	(6.4)	(6.2)	
	Q3	39,174	1,340,549	1,379,723	1.4	5.3	5.2	
	Q4	41,833	1,409,274	1,451,107	6.8	5.1	5.2	
2017	Q1	45,793	1,404,065	1,449,858	9.5	(0.4)	(0.1)	
	Q2	46,191	1,388,359	1,434,550	0.9	(1.1)	(1.1)	
	Q3	48,811	1,294,764	1,343,575	5.7	(6.7)	(6.3)	
	Q4	48,901	1,532,954	1,581,855	0.2	18.4	17.7	
2018	Q1	50,514	1,523,545	1,574,059	3.3	(0.6)	(0.5)	
	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	83,910	2,273,363	2,357,273	8.5	1.5	1.7	
	Q2	90,370	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	

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 3: Mobile Money Subscriptions by Quarter and Year, Q1 2018 - Q4 2022

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

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 4: Domestic and International Telephone Traffic (Minutes) by Quarter and Year, Q1 2017 - Q4 2022

Year/Quarter	Telephone and Short Message Service Traffic										
	Domestic Calls					International Calls			Short Message Service		
	Fixed to Fixed Telephone Traffic	Fixed to Mobile Telephone Traffic	On Net Mobile Telephone Traffic	Off Net Mobile Telephone Traffic	Mobile to Fixed Telephone Traffic	Outgoing Fixed Telephone Traffic	Incoming Fixed Telephone Traffic	Outgoing Mobile Telephone Traffic	On Net	Off Net	
2017	Q1	33,276,945	36,252,089	353,714,166	101,619,312	5,355,226	4,388,798	-	6,945,727	133,355,242	176,904,690
	Q2	32,080,840	33,607,763	403,115,950	100,591,502	5,587,481	4,258,122	-	7,405,278	124,428,020	106,809,711
	Q3	30,661,943	31,037,358	604,005,497	157,577,607	9,423,562	3,978,922	-	11,846,344	175,981,585	164,526,833
	Q4	29,376,676	31,334,782	316,560,889	169,337,479	10,077,726	3,619,522	-	10,825,559	166,743,720	178,144,293
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

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 2015 - Q4 2022

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 (%)
2015	Q1	34,566.0	947.3	2.7	(32.4)	42.9	0.1	1.0	39,016.5	1,019.1	2.6	(35.1)	49.6	0.1	1.0
	Q2	35,218.2	1,096.7	3.1	(5.4)	40.6	0.1	(8.6)	39,369.5	1,152.4	2.9	(10.3)	42.5	0.1	(17.2)
	Q3	35,180.6	1,038.3	3.0	(20.4)	51.8	0.1	2.0	37,051.7	1,077.9	2.9	(25.0)	51.8	0.1	(11.8)
	Q4	32,574.4	999.3	3.1	(4.8)	47.2	0.1	12.5	38,171.3	1,030.9	2.7	(10.7)	47.2	0.1	(2.6)
2016	Q1	38,467.9	1,134.2	2.9	19.7	53.4	0.1	24.5	40,696.4	1,148.2	2.8	12.7	53.4	0.1	7.7
	Q2	41,054.8	965.9	2.4	(11.9)	47.2	0.1	16.1	40,987.2	965.5	2.4	(16.2)	47.2	0.1	10.9
	Q3	42,833.5	878.5	2.1	(15.4)	36.8	0.1	(29.0)	40,456.1	874.9	2.2	(18.8)	36.8	0.1	(29.0)
	Q4	42,062.0	957.9	2.3	(4.2)	41.5	0.1	(12.2)	42,278.6	947.9	2.2	(8.1)	41.5	0.1	(12.2)
2017	Q1	40,457.9	919.0	2.3	(19.0)	42.3	0.1	(20.8)	41,618.1	902.5	2.2	(21.4)	42.3	0.1	(20.8)
	Q2	41,167.9	963.7	2.3	(0.2)	38.6	0.1	(18.3)	42,378.4	938.8	2.2	(2.8)	38.6	0.1	(18.3)
	Q3	42,481.7	936.7	2.2	6.6	62.9	0.1	71.1	43,273.2	902.9	2.1	3.2	57.8	0.1	57.2
	Q4	42,365.9	1,243.3	2.9	29.8	55.2	0.1	33.1	43,730.9	1,184.4	2.7	25.0	43.6	0.1	5.3
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)

Source: National Accounts, Statistics Botswana

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, 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

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