

# INFORMATION & COMMUNICATION TECHNOLOGY

## Statistics Report 2019

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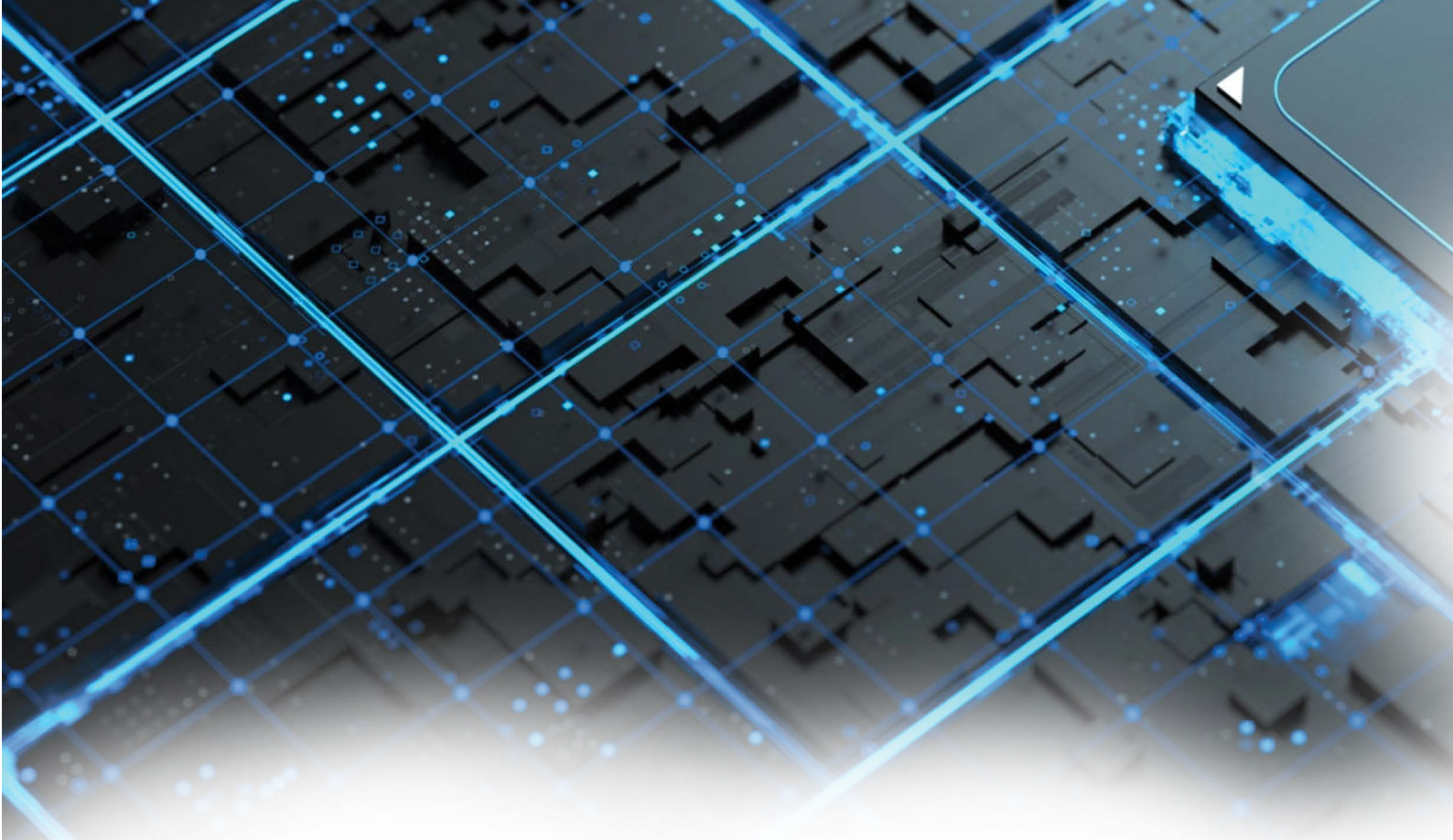
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**STATISTICS BOTSWANA**



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# **Information and Communication Technology Statistics Report 2019**

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## PREFACE

This report presents Botswana Information and Communications Technology Statistics for the year 2019. It covers statistics relating to telecommunications, postal services, content and print media as well as the overall contribution of Information and Communications Sector to the economy.

A snap view of the results on Telecommunications shows that internet subscriptions went up by 12.4 percent in 2019 after registering a total of 2,027,515 in 2019 from 1,804,449 recorded in 2018. Most of this growth came from mobile internet subscriptions which constituted 96.9 percent of total internet subscriptions in 2019.

In 2019, mobile cellular telephone subscriptions realised significant increase while fixed telephone subscriptions declined. Mobile cellular telephone subscriptions rose from 3,381,228 in 2018 to 3,999,244 in 2019, registering an increase of 18.3 percent. Fixed telephone subscriptions on the other hand registered a slight decline of 0.4 percent from 142,481 in 2018 to 141,896 in 2019.

With regard to Postal Services, international mail received rose by 33.7 percent in 2019 while international mail dispatched increased by 6.8 percent. Domestic mail also increased by 21.0 percent in 2019.

In Print Media, total printed newspapers and magazines increased by 0.8 percent in 2019. Printed newspapers issued at least four times a week remained constant in 2019, while those issued once a week increased by 2.0 percent. Printed magazines issued once a month decreased by 1.2 percent in 2019, and on the other hand printed advertising magazines issued once a week increased by 2.1 percent in 2019.

Both public and private broadcasters mainly aired general programs in 2019. A total of 24,384 hours were used for broadcasting general programs in 2019, while English and Setswana programs were aired in 14,016 and 6,864 hours respectively.

The contribution of the Postal and Communication Sector to the economy has been growing over the years. In 2019, value added in current prices for the sector amounted to P 5,262.6 million, which was 2.7 percent of total Gross Domestic Product.

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

Data from different stakeholders was used in the production of this report. Statistics Botswana wishes to recognize and extend gratitude to these stakeholders for the collaboration and the immense input they made in the formulation of the report.



**Dr. Burton Mguni**  
**Statistician General**  
**November 2020**

## ABBREVIATIONS

ICT	Information and Communication Technology
ADSL	Asymmetric Digital Subscriber line
ISP	Internet Service Providers
GDP	Gross Domestic Product
BOCRA	Botswana Communications Regulatory Authority
IDI	ICT Development Index

# 1. TELECOMMUNICATION

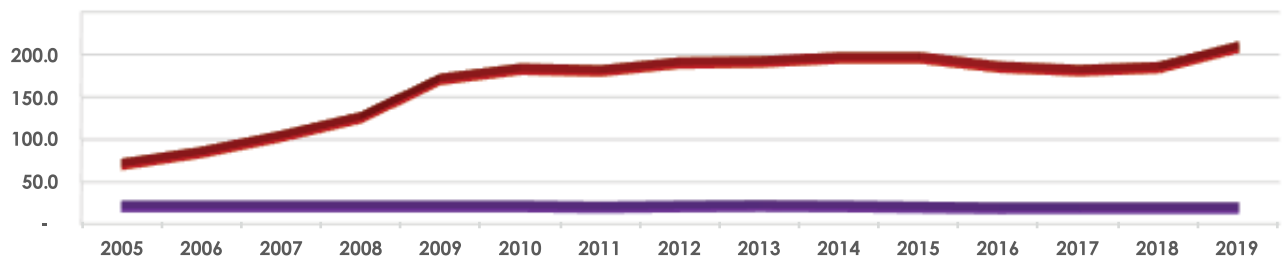
## 1.1 Fixed Telephone Lines and Mobile Cellular Telephone Subscriptions

Subscriptions for fixed telephone lines decreased by 0.4 percent in 2019 from 142,481 recorded in 2018 to 141,896 in 2019. As a result, tele-density (the number of fixed telephone lines per 100 inhabitants) went down to 6.1 lines per 100 persons in 2019 from 6.2 lines per 100 persons in 2018.

In 2019, mobile cellular telephone subscriptions however rose from 3,381,228 recorded in 2018 to 3,999,244 in 2019, thus registering an 18.3 percent increase. This significant increase resulted from the rise in both pre-paid and post-paid mobile cellular telephone subscriptions which went up by 18.1 percent and 25.6 percent respectively. Pre-paid mobile cellular telephone subscriptions constituted 97.3 percent of total mobile cellular telephone subscriptions in 2019 while post-paid made up 2.7 percent of the total.

Mobi-density (the number of mobile cellular telephone subscriptions per 100 inhabitants) increased from 146.8 subscriptions per 100 inhabitants in 2018 to 171.0 subscriptions per 100 inhabitants in 2019. Refer to **Table 1** and **Table 2** in **Appendix 1** and **Figure 1** below.

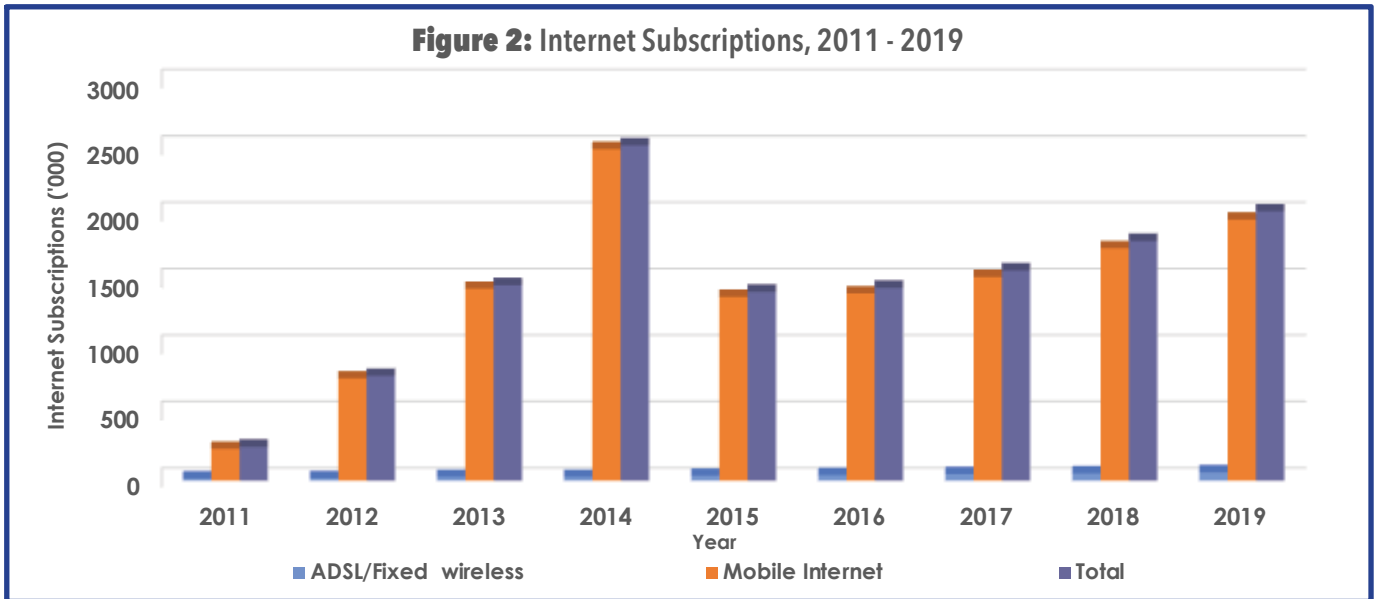
**Figure 1: Fixed Telephone Line and Mobile Cellular Subscriptions per 100 Inhabitants, 2005 - 2019**



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
■ Fixed Telephone Lines per 100 Inhabitants	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.9	8.6	8.0	7.0	6.0	6.2	6.2	6.1
■ Mobile Cellular Telephone Subscriptions per 100 inhabitants	33.0	47.0	66.0	88.0	133.0	145.0	143.0	152.2	153.5	158.2	158.3	147.4	143.4	146.8	171.0

## 1.2 Internet Subscription

Internet subscriptions went up by 12.4 percent in 2019 from 1,804,449 in 2018 to 2,027,515 in 2019, both mobile internet subscriptions and fixed internet subscriptions increased significantly. Mobile internet subscriptions increased by 12.4 percent from 1,749,059 in 2018 to 1,965,456 in 2019. Fixed internet subscriptions went up by 12.0 percent in 2019 from 55,390 recorded in 2018 to 62,058. This is illustrated in **Figure 2** below and **Table 3** in **Appendix 1**.



Internet subscriptions per 100 inhabitants increased from 77.2 in 2018 to 86.7 in 2019, while mobile internet subscriptions per 100 inhabitants increased from 74.8 subscriptions in 2018 compared to 84.0 in 2019. See **Table 1** in **Appendix 1** for details.

### 1.3 Telephone Traffic

Fixed telephones to fixed telephones domestic calls went down in 2019 compared to 2018; they decreased by 5.4 percent in 2019 from 7,112,184,902 recorded in 2018 to 6,725,344,846 in 2019. Fixed to mobile cellular telephone calls also declined in 2019 from 7,946,123,985 recorded in 2018 to 7,332,058,357 in 2019.

On net and off net mobile cellular telephone traffic increased by 94.6 percent and 24.5 percent respectively, in the year 2019. On net mobile cellular telephone traffic rose from 2,274,354,118 calls in 2018 to 4,425,255,173 in 2019, while off net mobile cellular telephone traffic went up from 471,662,469 calls in 2018 to 587,242,577 in 2019. Mobile cellular telephones to fixed telephones traffic increased by 39.7 percent in 2019 compared to the previous year.

Outgoing international calls from fixed telephones decreased by 15.9 percent in 2019 from 892,424,820 in 2018 to 750,414,583. Outgoing international calls from mobile cellular telephones, on the other hand, rose from 34,839,230 recorded in 2018 to 156,540,260 in 2019.

On net SMS traffic increased from 552,999,004 messages recorded in 2018 to 594,224,351 in 2019. However, off net SMS traffic decreased in 2019; from 549,260,865 minutes recorded in 2018 to 525,309,238 in 2019. The details are shown in **Tables 4** in **Appendix I**.



## 2. POSTAL SERVICES

### 2.1 Mail Volume Trends

The volume of mail circulated within and outside Botswana is illustrated in **Figure 3** below and **Table 5** in **Appendix II**. International mail received increased by 33.7 percent in 2019, while international mail dispatched increased by 6.8 percent. Domestic mail also experienced an increase of 21.0 percent, from 6,270,751 letters in 2018 to 7,586,467 in 2019. Mail volume trends are as shown in **Table 5** of **Appendix II**.



### 2.2 Recorded Mail Items

Recorded items include Insured Parcels, Registered Items, and Express Mail Service (EMS) items, excluding undeliverable and returned-to-sender or re-directed items.

Both domestic and foreign dispatched parcels increased in 2019. Parcels dispatched for the local market increased by 10.3 percent while those dispatched for the international one rose by 13.2 percent. Foreign received parcels also increased by 58.9 percent in 2019 from 10,497 parcels in 2018 to 16,676.

Registered mail items posted increased by 3.5 percent in 2019, from 658,950 recorded in 2018 to 682,081. Foreign received mail items went up from 36,361 in 2018 to 41,667 mail items in 2019, an increase of 14.6 percent.

Domestic dispatched EMS mail items rose by 18.1 percent in 2019 from 12,898 items in 2018 to 15,227. Both foreign dispatched and received EMS items realised an increase in 2019. Foreign dispatched express mail items increased by 16.6 percent while foreign received EMS items increased by 18.1 percent from what was registered in the previous year. The details are as shown in **Tables 6** of **Appendix II**.

## 2.3 Unrecorded Mail Items

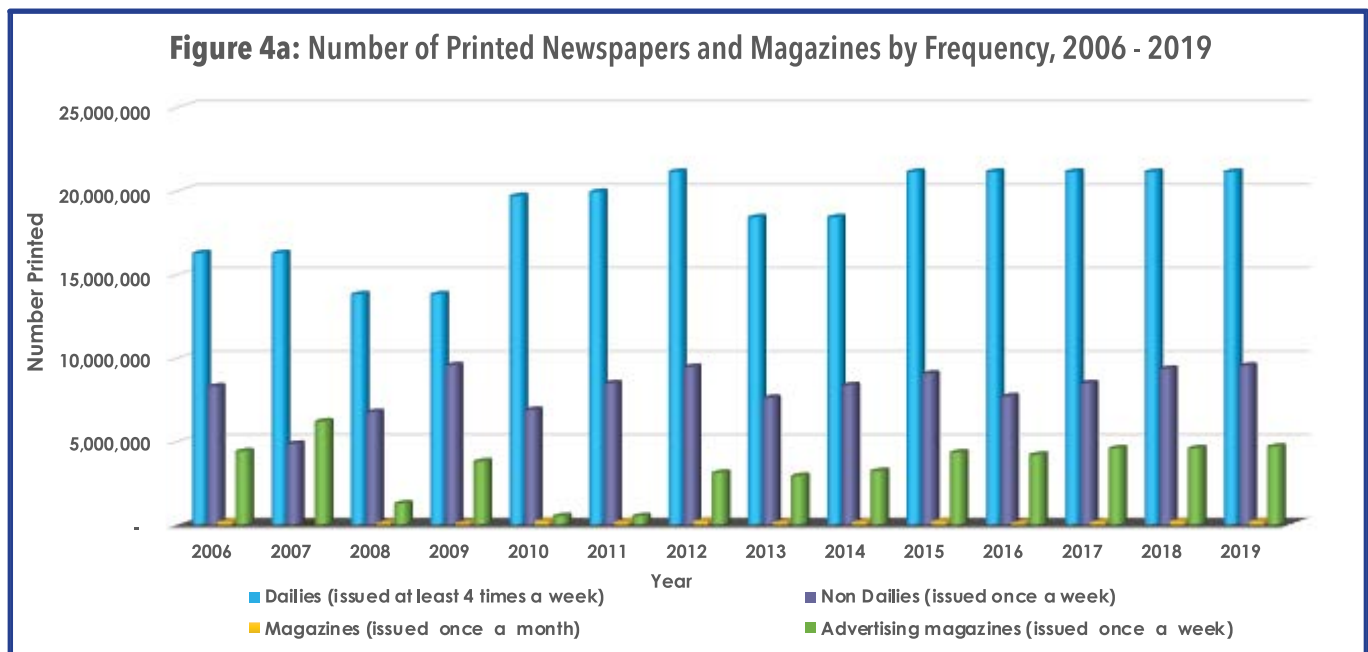
All unrecorded mail items showed a positive growth in 2019. Letters/cards dispatched and received increased by 46.1 percent in 2019, while printed matter increased by 15.1 percent. Small packets as well registered a growth of 19.1 percent in 2019. This is as shown in **Tables 7** in **Appendix II**.

## 3. PRINT MEDIA

Print media covers private and Government owned newspapers throughout Botswana. These are categorized into Dailies (issued at least 4 times a week), Non Dailies (issued once a week), Magazines (issued once a month) and Advertising Magazines (issued once a week).

### 3.1 Printed Newspapers and Magazines by Frequency

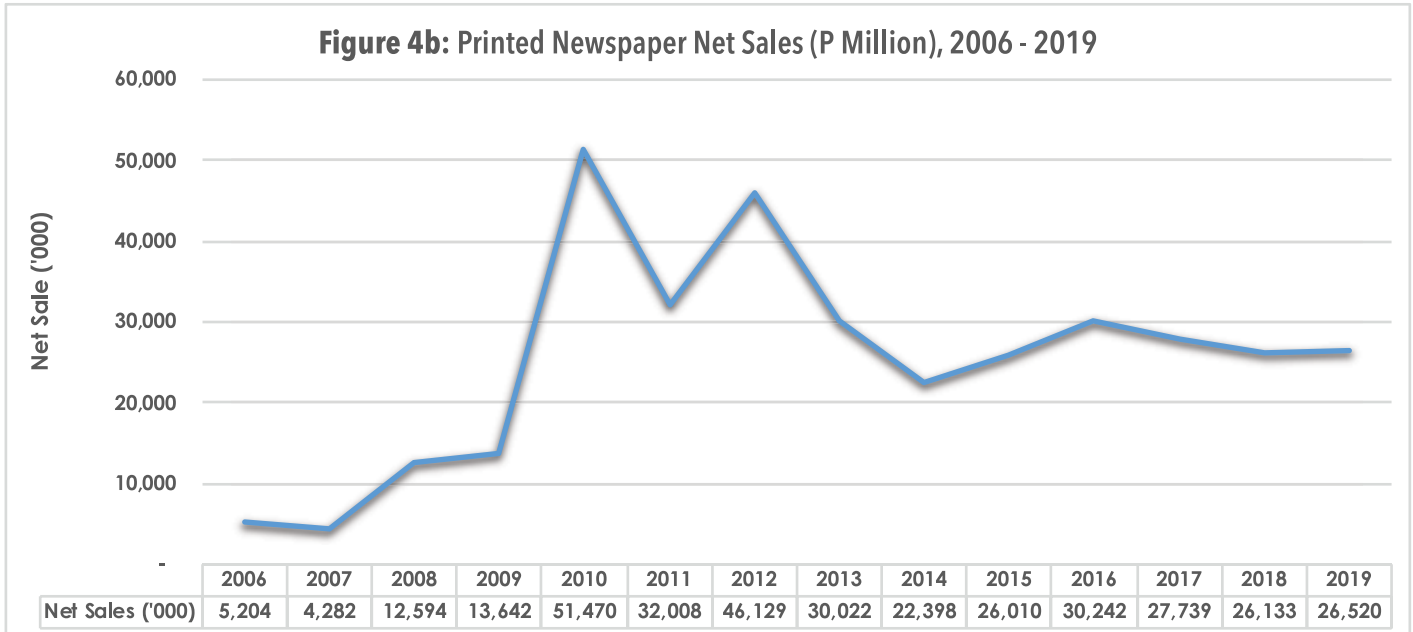
**Figure 4a** below shows the number of printed newspapers and magazines for the period 2006 to 2019. The number of printed dailies remained stable in 2019 as was in the previous year. In 2019, printed non-dailies increased by 2.0 percent, whilst printed magazines issued once a month decreased by 1.2 percent. Those issued once a week (advertising magazines) went up by 2.1 percent, compared to 2018. More details illustrated in **Table 9** in **Appendix III**.



### 3.2 Private Newspaper Net Sales

Net sales for private newspapers increased by 1.5 percent in 2019, from P26.1 million realised in 2018 to P26.5 million. As can be observed in **Figure 4b** below and **Tables 11 & 12** in **Appendix III**, newspaper net sales have been fluctuating over the years.

**Figure 4b: Printed Newspaper Net Sales (P Million), 2006 - 2019**



### 3.3 ICT Usage by Private Newspaper Employees

In 2019 there was wide usage of computers, intranet, and internet amongst private newspaper employees. Out of a total of 258 males, 94.2 percent of them used computers in their work and 93.8 percent were connected to the internet. Females totaled 177 and 81.4 percent of them used computers and were connected to the internet as well. Details are in **Table 13** in **Appendix III**.

## 4. RADIO AND TELEVISION

### 4.1 Public and Private Radio Station Broadcasting Hours

Public and private radio weekly broadcasting hours for the year 2019 are displayed in **Table 4.1** below. The figures indicate that highly broadcasted programs were General programmes followed by English and Setswana programmes. In 2019, a total of 24,384 hours were used for broadcasting General programs, while English and Setswana programs broadcasted a total of 14,016 and 6,864 hours respectively. The least covered in terms of hours were Religious programs and Instructional/ Special programs. See **Tables 14** in **Appendix IV**.

**Table 4.1: Public and Private Radio Weekly Broadcasting Hours by Quarter, 2019**

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
<b>Broadcasting Programme</b>					
General Programmes	6,096	6,096	6,096	6,096	<b>24,384</b>
Religious Programmes	264	264	264	264	<b>1,056</b>
Instructional/ Special Programmes	228	228	228	228	<b>912</b>
Commercial / Advertising Programmes	870	870	870	870	<b>3,480</b>
Setswana Programmes	1,716	1,716	1,716	1,716	<b>6,864</b>
English Programmes	3,504	3,504	3,504	3,504	<b>14,016</b>

**Source:** Information and Communication Technology Statistics, Statistics Botswana

## 4.2 ICT Access by Public and Private Radio Station Employees

Amongst public and private radio employees there was wide access to Information and Communication Technologies in 2019. From a total of 60 male employees, 58 used computers while 59 were connected to the internet. A total of 69 females were employed, with 64 using computers and 67 connected to the internet. The radio employees also had access to the website, of which 48 were males and 54 females. Both male and female employees had no access to the intranet in 2019. See **Table 15** of **Appendix IV** for details.

## 4.3 Television Broadcasting Hours

Television weekly broadcasting hours for the year 2019 are shown in **Table 4.2** below and in **Tables 16** of **Appendix IV**. **Table 4.2** below indicates that in 2019, English programmes recorded the highest broadcasting hours compared to other programmes. English programs recorded a total of 10,763 broadcasting hours followed by General programmes with a total of 10,693 hours, while Instructional/ Special programmes were the least covered. Refer to **Tables 16** of **Appendix IV**.

**Table 4.2: Television Weekly Broadcasting Hours by Quarter, 2019**

Broadcasting Programme	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
General Programmes	2,778	2,637	2,672	2,606	<b>10,693</b>
Religious Programmes	629	630	672	676	<b>2,607</b>
Instructional/ Special Programmes	54	54	54	54	<b>216</b>
Commercial / Advertising Programmes	553	547	546	555	<b>2,201</b>
Setswana Programmes	536	522	523	523	<b>2,104</b>
English Programmes	2,764	2,687	2,616	2,696	<b>10,763</b>

**Source:** Information and Communication Technology Statistics, Statistics Botswana

## 4.4 ICT Usage by Television Employees

There was usage of ICTs amongst television employees as well in 2019. **Table 17** in **Appendix IV** details that from a total of 44 male employees, 42 had access to computers, internet, intranet and the website. A total of 75 females were employed; 74 used computers and were connected to the internet whilst 72 used both the intranet and website. More details in **Table 17** in **Appendix IV**.

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

**Table 5.1** below shows that the contribution of the Postal and Communication Sector to the economy has been growing over the years. In current prices, the sector contributed a value added of P5, 262.6 million to the economy in 2019, which was 2.7 percent of total Gross Domestic Product. In real terms, the sector's contribution to the economy stood at P3, 097 million, which made up 3.1 percent of total GDP. See **Table 5.1** below for more details.

**Table 5.1: Contribution of Communication & Postal Services To Gross Domestic Product, 2006 - 2019**

Year	Current Prices				Constant Prices			
	Total GDP (P Million)	Postal & Communication Services Value Added (P Million)	Postal & Communication Services Contribution To GDP (%)	Postal & Communication Services Annual Growth Rates (%)	Total GDP (P Million)	Postal & Communication Services Value Added (P Million)	Postal & Communication Services Contribution To GDP (%)	Postal & Communication Services Annual Growth Rates (%)
2006	59,106.9	857.5	1.5		59,106.9	858	1.5	
2007	67,152.7	1,002.0	1.5	16.9	63,999.1	995	1.6	16.1
2008	74,720.9	1,332.8	1.8	33.0	67,996.1	1257	1.8	26.3
2009	73,462.3	1,605.4	2.2	20.5	62,792.8	1420	2.3	13.0
2010	86,867.5	1,930.5	2.2	20.3	68,170.1	1605	2.4	13.0
2011	104,979.8	2,173.8	2.1	12.6	72,293.3	1732	2.4	7.9
2012	109,870.4	2,393.5	2.2	10.1	75,514.8	1864	2.5	7.6
2013	125,158.3	2,644.3	2.1	10.5	84,080.7	2018	2.4	8.3
2014	145,868.4	3,058.3	2.1	15.7	87,569.5	2214	2.5	9.7
2015	145,923.5	3,465.2	2.4	13.3	86,080.8	2372	2.8	7.1
2016	169,687.9	3,956.6	2.3	14.2	89,775.1	2531	2.8	6.7
2017	178,267.1	4,387.8	2.5	11.1	91,907.8	2707	2.9	7.0
2018	189,868.5	4,802.3	2.5	9.4	96,513.0	2897	3.1	6.9
2019	197,268.4	5,262.6	2.7	9.6	99,396.3	3097	3.1	6.9

Source: National Accounts, Statistics Botswana

## **APPENDIX I: TELECOMMUNICATIONS**

**Table 1: Information & Communication Technology Infrastructure and Access, 2005 - 2019**

	Fixed Telephone Lines	Fixed Telephone Lines per 100 Inhabitants	Mobile Cellular Telephone Subscriptions	Mobile Cellular Telephone Subscriptions per 100 Inhabitants	Internet Subscriptions	Internet Subscriptions per 100 Inhabitants	Fixed Broadband/ADSL Subscriptions	Fixed Broadband/ADSL Subscriptions per 100 Inhabitants	Mobile Broadband Subscriptions	Mobile Broadband per 100 Inhabitants
Year	Number									
2005	136,463	8.0	571,437	33.0	56,312	3.0	1,600	0.1	54,712	3.0
2006	132,034	8.0	825,076	47.0	74,627	4.0	1,800	0.1	72,827	4.0
2007	136,946	8.0	1,153,768	66.0	92,751	5.0	3,540	0.2	89,211	5.0
2008	142,282	8.0	1,559,102	88.0	111,014	6.0	8,900	0.5	102,114	6.0
2009	144,195	8.0	2,390,868	133.0	110,600	6.0	10,000	0.6	100,600	6.0
2010	139,695	8.0	2,644,982	145.0	140,360	8.0	11,978	0.7	128,382	7.0
2011	149,578	7.0	2,900,263	143.0	254,649	13.0	15,707	1.0	238,942	11.0
2012	160,488	7.9	3,081,726	152.2	788,643	39.0	18,838	1.0	769,805	37.0
2013	174,165	8.6	3,246,787	153.5	1,472,026	72.0	27,819	1.3	1,444,207	68.0
2014	169,236	8.0	3,410,507	158.2	2,524,013	117.1	27,867	1.3	2,496,146	115.8
2015	160,490	7.0	3,475,327	158.3	1,420,991	64.7	36,845	1.7	1,384,146	63.1
2016	142,122	6.0	3,288,986	147.4	1,451,107	65.0	41,833	1.9	1,409,274	63.2
2017	141,207	6.2	3,249,903	143.4	1,581,855	69.8	48,901	2.2	1,532,954	67.6
2018	142,481	6.2	3,381,228	146.8	1,804,449	77.2	55,390	2.4	1,749,059	74.8
2019	141,896	6.1	3,999,244	171.0	2,027,515	86.7	62,058	2.7	1,965,456	84.0
	Annual Percentage Change									
2005	...	...	...	...	...	...	...	...	...	...
2006	(3.2)	-	44.4	42.4	32.5	33.3	12.5	-	33.1	33.3
2007	3.7	-	39.8	40.4	24.3	25.0	96.7	100.0	22.5	25.0
2008	3.9	-	35.1	33.3	19.7	20.0	151.4	150.0	14.5	20.0
2009	1.3	-	53.3	51.1	(0.4)	-	12.4	20.0	(1.5)	-
2010	(3.1)	-	10.6	9.0	26.9	33.3	19.8	16.7	27.6	16.7
2011	7.1	(12.5)	9.7	(1.4)	81.4	62.5	31.1	42.9	86.1	57.1
2012	7.3	13.2	6.3	6.4	209.7	200.0	19.9	-	222.2	236.4
2013	8.5	8.5	5.4	0.9	86.7	84.6	47.7	30.0	87.6	83.8
2014	(2.8)	(7.0)	5.0	3.1	71.5	62.6	0.2	(0.6)	72.8	70.3
2015	(5.2)	(12.5)	1.9	0	(43.7)	(44.7)	32.2	29.9	(44.5)	(45.5)
2016	(11.4)	(14.3)	(5.4)	(6.9)	2.1	0.5	13.5	11.7	1.8	0.1
2017	(0.6)	3.8	(1.2)	(2.7)	9.0	7.3	16.9	15.0	8.8	7.0
2018	0.9	(0.7)	4.0	2.4	14.1	10.6	13.3	9.8	14.1	10.6
2019	(0.4)	(1.9)	18.3	16.5	12.4	12.4	12.0	12.0	12.4	12.4

Source: Botswana Communications Regulatory Authority (BOCRA)

Note: "..." denotes no data  
 "-" denotes zero

Table 2: Telephone Subscriptions by Quarter, 2012 - 2019

Year	Telephone Subscriptions							
	Mobile Cellular			Fixed Telephone	Mobile Cellular			Fixed Telephone
	Pre-Paid	Post Paid	Total		Pre-Paid	Post Paid	Total	
	Numbers				Annual Percentage Change			
2012	3,017,884	63,842	<b>3,081,726</b>	160,488	...	...	...	...
2013	3,169,148	77,639	<b>3,246,787</b>	174,165	5.0	21.6	<b>5.4</b>	8.5
2014	3,328,284	82,223	<b>3,410,507</b>	169,236	5.0	5.9	<b>5.0</b>	(2.8)
2015	3,395,758	79,569	<b>3,475,327</b>	160,490	2.0	(3.2)	<b>1.9</b>	(5.2)
2016	3,209,519	79,467	<b>3,288,986</b>	142,122	(5.5)	(0.1)	<b>(5.4)</b>	(11.4)
2017	3,168,194	81,709	<b>3,249,903</b>	141,207	(1.3)	2.8	<b>(1.2)</b>	(0.6)
2018	3,295,636	85,592	<b>3,381,228</b>	142,481	4.0	4.8	<b>4.0</b>	0.9
2019	3,891,733	107,511	<b>3,999,244</b>	141,896	18.1	25.6	<b>18.3</b>	(0.4)

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 3: Internet Subscriptions by Year, 2011 - 2019

Year	Internet Subscriptions					
	ADSL/ Fixed wireless	Mobile Internet	Total	ADSL/ Fixed wireless	Mobile Internet	Total
	Numbers			Annual Percentage Change		
2011	15,707	238,942	<b>254,649</b>	...	...	...
2012	18,838	769,805	<b>788,643</b>	19.9	222.2	<b>209.7</b>
2013	27,819	1,444,207	<b>1,472,026</b>	47.7	87.6	<b>86.7</b>
2014	27,867	2,496,146	<b>2,524,013</b>	0.2	72.8	<b>71.5</b>
2015	36,845	1,384,146	<b>1,420,991</b>	32.2	(44.5)	<b>(43.7)</b>
2016	41,833	1,409,274	<b>1,451,107</b>	13.5	1.8	<b>2.1</b>
2017	48,901	1,532,954	<b>1,581,855</b>	16.9	8.8	<b>9.0</b>
2018	55,390	1,749,059	<b>1,804,449</b>	13.3	14.1	<b>14.1</b>
2019	62,058	1,965,456	<b>2,027,515</b>	12.0	12.4	<b>12.4</b>

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data



**Table 4: Domestic and International Telephone Traffic by Quarter( Minutes), 2012 - 2019**

Year	Telephone and Short Message Service Traffic									
	Domestic Calls					International Calls			Short Message Service	
	From Fixed Telephones to Fixed Telephones	From fixed Telephones to Mobile Cellular Telephones	On Net Mobile Cellular Telephone Calls	Off Net Mobile Cellular Telephone Calls	From Mobile Cellular Telephones to Fixed Tele-phones	Outgoing from Fixed Tele-phones	Incoming to Fixed Telephones	Outgoing from Mobile Cellular Telephones	On Net	Off Net
	<b>Numbers</b>									
<b>2012</b>	180,023,710	120,777,738	1,476,951,319	498,071,407	117,988,866	23,111,572	10,007,784	60,537,589	813,670,066	461,501,381
<b>2013</b>	164,112,553	130,260,542	2,012,563,382	507,520,871	14,363,268	25,506,911	-	70,447,823	888,916,435	319,509,736
<b>2014</b>	2,855,976,715	2,144,037,524	2,017,304,306	639,476,627	47,799,787	696,782,887	-	64,944,902	866,038,692	571,605,111
<b>2015</b>	2,180,243,317	442,293,755	3,435,939,267	698,003,464	38,735,981	946,245,244	-	59,571,104	814,896,796	596,797,881
<b>2016</b>	5,404,551,408	6,317,485,436	2,135,768,302	719,460,328	36,150,079	880,046,555	-	54,968,279	734,996,577	555,018,219
<b>2017</b>	7,756,881,623	8,076,234,897	1,677,396,502	529,125,900	30,443,995	991,907,499	-	37,022,908	600,508,567	626,385,527
<b>2018</b>	7,112,184,902	7,946,123,985	2,274,354,118	471,662,469	26,662,896	892,424,820	-	34,839,230	552,999,004	549,260,865
<b>2019</b>	6,725,344,846	7,332,058,357	4,425,255,173	587,242,577	37,243,099	750,414,583	-	156,540,260	594,224,351	525,309,238
	<b>Annual Percentage Change</b>									
<b>2012</b>	...	...	...	...	...	...	...	...	...	...
<b>2013</b>	(8.8)	7.9	36.3	1.9	(87.8)	10.4	-	16.4	9.2	(30.8)
<b>2014</b>	1,640.3	1,546.0	0.2	26.0	232.8	2,631.7	-	(7.8)	(2.6)	78.9
<b>2015</b>	(23.7)	(79.4)	70.3	9.2	(19.0)	35.8	-	(8.3)	(5.9)	4.4
<b>2016</b>	147.9	1,328.3	(37.8)	3.1	(6.7)	(7.0)	-	(7.7)	(9.8)	(7.0)
<b>2017</b>	43.5	27.8	(21.5)	(26.5)	(15.8)	12.7	-	(32.6)	(18.3)	12.9
<b>2018</b>	(8.3)	(1.6)	35.6	(10.9)	(12.4)	(10.0)	-	(5.9)	(7.9)	(12.3)
<b>2019</b>	(5.4)	(7.7)	94.6	24.5	39.7	(15.9)	-	349.3	7.5	(4.4)

Source: Botswana Communications Regulatory Authority

Note: "-" denotes zero

## **APPENDIX II: POSTAL SERVICES**

**Table 5: Mail Volume Trend, 1998 - 2019**

Year	International Mail		Domestic Mail	Population ('000)	International Mail		Domestic Mail per 10,000 Population
	Received	Dispatched			Received per 10000 Population	Dispatched per 10000 Population	
	<b>Numbers</b>						
1998	11,505,944	1,409,440	39,085,932	1,572	73,193	8,966	248,638
1999	4,184,900	1,562,289	32,207,786	1,611	25,977	9,698	199,924
2000	6,927,076	2,921,873	31,607,144	1,651	41,957	17,698	191,442
2001	6,252,568	5,208,753	40,370,418	1,681	37,199	30,989	240,177
2002	8,161,863	2,283,159	34,078,710	1,667	48,947	13,692	204,372
2003	5,356,990	2,574,866	31,954,748	1,691	31,672	15,223	188,926
2004	4,745,254	2,304,065	31,821,527	1,711	27,728	13,464	185,946
2005	6,461,033	1,676,768	30,758,411	1,727	37,404	9,707	178,065
2006	5,854,772	1,904,340	25,972,807	1,740	33,657	10,947	149,307
2007	4,097,365	916,865	27,693,000	1,757	23,325	5,219	157,647
2008	3,057,191	639,752	27,739,494	1,776	17,211	3,602	156,166
2009	3,081,746	390,854	27,306,396	1,798	17,136	2,173	151,840
2010	2,702,019	462,679	30,509,946	1,823	14,823	2,538	167,374
2011	2,136,321	665,222	28,967,032	2,024	10,555	3,287	14,312
2012	1,677,002	587,832	33,493,117	2,071	8,098	2,838	161,724
2013	1,786,964	583,624	43,556,999	2,115	8,449	2,759	205,943
2014	517,867	89,865	9,530,192	2,156	2,402	417	44,203
2015	782,960	110,646	13,366,595	2,195	3,567	504	60,896
2016	566,848	104,711	2,432,117	2,231	2,541	469	10,901
2017	512,174	110,281	3,413,145	2,267	2,259	486	15,056
2018	621,480	185,076	6,270,751	2,303	2,699	804	27,229
2019	831,139	197,741	7,586,467	2,339	3,554	845	32,437
	<b>Annual Percentage Change</b>						
1998	...	...	...	...	...	...	...
1999	(63.6)	10.8	(17.6)	2.5	(64.5)	8.2	(19.6)
2000	65.5	87.0	(1.9)	2.5	61.5	82.5	(4.2)
2001	(9.7)	78.3	27.7	1.8	(11.3)	75.1	25.5
2002	30.5	(56.2)	(15.6)	(0.8)	31.6	(55.8)	(14.9)
2003	(34.4)	12.8	(6.2)	1.4	(35.3)	11.2	(7.6)
2004	(11.4)	(10.5)	(0.4)	1.2	(12.5)	(11.6)	(1.6)
2005	36.2	(27.2)	(3.3)	0.9	34.9	(27.9)	(4.2)
2006	(9.4)	13.6	(15.6)	0.7	(10.0)	12.8	(16.2)
2007	(30.0)	(51.9)	6.6	1.0	(30.7)	(52.3)	5.6
2008	(25.4)	(30.2)	0.2	1.1	(26.2)	(31.0)	(0.9)
2009	0.8	(38.9)	(1.6)	1.2	(0.4)	(39.7)	(2.8)
2010	(12.3)	18.4	11.7	1.4	(13.5)	16.8	10.2
2011	(20.9)	43.8	(5.1)	11.0	(28.8)	29.5	(91.4)
2012	(21.5)	(11.6)	15.6	2.3	(23.3)	(13.7)	1,030.0
2013	6.6	(0.7)	30.0	2.1	4.3	(2.8)	27.3
2014	(71.0)	(84.6)	(78.1)	1.9	(71.6)	(84.9)	(78.5)
2015	51.2	23.1	40.3	1.8	48.5	20.9	37.8
2016	(27.6)	(5.4)	(81.8)	1.6	(28.8)	(6.9)	(82.1)
2017	(9.6)	5.3	40.3	1.6	(11.1)	3.5	38.1
2018	21.3	67.8	83.7	1.6	19.4	65.4	80.8
2019	33.7	6.8	21.0	1.6	31.7	5.2	19.1

Source: Botswana Postal Services

Table 6: Recorded Mail Items (Priority and Non-Priority), 2011 - 2019

Year	Parcels				Registered Items				Express Mail Service				Grand Total
	Dispatched			Foreign Received	Dispatched			Foreign Received	Dispatched			Foreign Received	
	Domestic	Foreign	Total Posted		Domestic	Foreign	Total Posted		Domestic	Foreign	Total Posted		
	<b>Numbers</b>												
2011	18,590	840	<b>19,430</b>	16,431	325,445	20,616	<b>346,061</b>	19,960	-	8,533	<b>8,533</b>	3,899	<b>414,314</b>
2012	20,527	994	<b>21,521</b>	14,496	258,822	21,532	<b>280,354</b>	19,438	-	8,674	<b>8,674</b>	5,567	<b>350,050</b>
2013	15,867	9,986	<b>25,853</b>	12,956	277,671	81,809	<b>359,480</b>	19,022	-	9,485	<b>9,485</b>	9,076	<b>435,872</b>
2014	18,198	373	<b>18,571</b>	7,202	268,248	51,672	<b>319,920</b>	19,230	7,020	2,567	<b>9,587</b>	1,722	<b>376,232</b>
2015	18,298	517	<b>18,815</b>	3,148	335,547	64,670	<b>400,217</b>	24,057	8,710	1,669	<b>10,379</b>	1,617	<b>458,233</b>
2016	18,398	286	<b>18,684</b>	6,855	335,641	64,770	<b>400,411</b>	24,157	7,832	2,401	<b>10,233</b>	1,967	<b>462,307</b>
2017	27,547	1,038	<b>28,585</b>	6,159	335,861	58,249	<b>394,110</b>	24,257	7,832	2,262	<b>10,094</b>	1,546	<b>541,149</b>
2018	45,767	1,645	<b>47,412</b>	10,497	559,695	99,255	<b>658,950</b>	36,361	12,898	3,816	<b>16,714</b>	2,717	<b>772,651</b>
2019	50,490	1,863	<b>52,353</b>	16,676	584,175	97,906	<b>682,081</b>	41,667	15,227	4,451	<b>19,678</b>	3,207	<b>815,662</b>
	<b>Annual Percentage Change</b>												
2011	...	...	...	...	...	...	...	...	...	...	...	...	...
2012	10.4	18.3	<b>10.8</b>	(11.8)	(20.5)	4.4	<b>(19.0)</b>	(2.6)	-	1.7	<b>1.7</b>	42.8	<b>(15.5)</b>
2013	(22.7)	904.6	<b>20.1</b>	(10.6)	7.3	279.9	<b>28.2</b>	(2.1)	-	9.3	<b>9.3</b>	63.0	<b>24.5</b>
2014	14.7	(96.3)	<b>(28.2)</b>	(44.4)	(3.4)	(36.8)	<b>(11.0)</b>	1.1	-	(72.9)	<b>1.1</b>	(81.0)	<b>(13.7)</b>
2015	0.5	38.6	<b>1.3</b>	(56.3)	25.1	25.2	<b>25.1</b>	25.1	24.1	(35.0)	<b>8.3</b>	(6.1)	<b>21.8</b>
2016	0.5	(44.7)	<b>(0.7)</b>	117.8	0.0	0.2	<b>0.0</b>	0.4	(10.1)	43.9	<b>(1.4)</b>	21.6	<b>0.9</b>
2017	49.7	262.9	<b>53.0</b>	(10.2)	0.1	(10.1)	<b>(1.6)</b>	0.4	-	(5.8)	<b>(1.4)</b>	(21.4)	<b>17.1</b>
2018	66.1	58.5	<b>65.9</b>	70.4	66.6	70.4	<b>67.2</b>	49.9	64.7	68.7	<b>65.6</b>	75.7	<b>42.8</b>
2019	10.3	13.2	<b>10.4</b>	58.9	4.4	(1.4)	<b>3.5</b>	14.6	18.1	16.6	<b>17.7</b>	18.1	<b>5.6</b>

Source: Botswana Postal Services

Note: "-" denotes zero

Table 7: Unrecorded Mail Items (Priority and Non-Priority), 2011 - 2019

Year	Letter/Cards						Printed Matter						Small Packets					
	Dispatched			Received			Dispatched			Received From			Dispatched			Received From		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
	Numbers																	
2011	28,488,942	619,686	29,108,628	1,598,578	30,707,206	134,055	14,577	148,632	72,915	221,547	-	973	14,123	15,096	30,943,849			
2012	33,188,822	545,652	33,734,474	1,475,314	35,209,788	24,946	9,696	34,642	144,647	179,289	-	1,284	17,540	18,824	35,407,901			
2013	43,256,592	515,678	43,772,270	1,379,898	45,152,168	6,869	8,779	15,648	343,083	358,731	-	4,555	22,929	27,484	45,538,383			
2014	7,908,249	25,516	7,933,765	237,179	8,170,944	1,294,783	9,239	1,304,022	243,866	1,547,888	33,694	498	8,668	42,860	9,761,692			
2015	7,910,531	30,033	7,940,564	421,339	8,361,903	5,051,246	12,921	5,064,167	322,968	5,387,135	42,263	836	9,831	52,930	13,801,968			
2016	379,082	23,735	402,817	201,621	604,438	1,657,470	13,021	1,670,491	323,037	1,993,528	33,694	498	9,211	43,403	2,641,369			
2017	720,943	35,102	756,045	132,991	889,036	2,285,537	13,121	2,298,658	336,269	2,634,927	35,425	509	10,952	46,886	3,570,849			
2018	1,339,595	57,854	1,397,449	155,780	1,553,229	4,257,041	21,741	4,278,782	452,399	4,731,181	55,757	763	13,301	69,821	6,354,231			
2019	1,990,120	67,024	2,057,144	212,763	2,269,907	4,880,252	25,531	4,905,783	540,819	5,446,602	66,203	966	16,007	83,176	7,799,686			
	Annual Percentage Change																	
2011	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2012	16.5	(11.9)	15.9	(7.7)	14.7	(81.4)	(33.5)	(76.7)	98.4	(19.1)	-	32.0	24.2	24.7	14.4			
2013	30.3	(5.5)	29.8	(6.5)	28.2	(72.5)	(9.5)	(54.8)	137.2	100.1	-	254.8	30.7	46.0	28.6			
2014	(81.7)	(95.1)	(81.9)	(82.8)	(81.9)	18,749.7	5.2	8,233.5	(28.9)	331.5	-	(89.1)	(62.2)	55.9	(78.6)			
2015	0.0	17.7	0.1	77.6	2.3	290.1	39.9	288.3	32.4	248.0	25.4	67.9	13.4	23.5	41.4			
2016	(95.2)	(21.0)	(94.9)	(52.1)	(92.8)	(67.2)	0.8	(67.0)	0.0	(63.0)	(20.3)	(40.4)	(6.3)	(18.0)	(80.9)			
2017	90.2	47.9	87.7	(34.0)	47.1	37.9	0.8	37.6	4.1	32.2	5.1	2.2	18.9	8.0	35.2			
2018	85.8	64.8	84.8	17.1	74.7	86.3	65.7	86.1	34.5	79.6	57.4	50.0	21.4	48.9	77.9			
2019	48.6	15.9	47.2	36.6	46.1	14.6	17.4	14.7	19.5	15.1	18.7	26.5	20.3	19.1	22.7			

Source: Botswana Postal Services

Note: "-" denotes zero

Table 8: Revenue Generated from Postal Services by Month and Year, 2019

Month	Revenue (Pula)									
	EMS Income Domestic	Bag Rental Income	Sale of Stamps	Sale of Boxes and Keys	Hybrid Mail	Bulk Posted	Franked Mail	Boxes & Bag Rental Penalty	Government Mail	Boxes Rental Income
January	637,609	173,375	433,437	66,156	2,173,067	3,821,090	121,629	1,229,593	702,945	1,818,155
February	868,015	110,641	518,984	58,172	672,867	3,746,950	158,109	649,015	709,136	1,488,514
March	1,106,387	119,766	538,375	59,312	2,797,696	4,183,809	168,107	528,109	701,703	1,498,780
April	823,803	158,547	597,687	52,469	538,315	2,666,779	181,486	-	758,217	1,590,030
May	703,669	187,062	598,828	58,172	1,350,261	3,053,450	203,177	-	615,279	1,621,967
June	781,761	188,203	642,171	55,891	1,817,692	3,003,263	110,723	-	761,364	1,650,483
July	642,718	226,984	379,828	49,047	2,751,781	3,173,216	117,252	-	634,429	1,675,577
August	782,246	228,125	325,078	35,359	969,169	2,445,498	188,599	-	651,504	1,018,577
September	715,205	228,125	310,250	57,031	869,526	2,633,701	221,281	-	751,066	1,083,593
October	1,009,825	225,844	331,922	50,187	1,077,855	4,470,105	171,094	2,281	673,403	1,745,155
November	774,484	228,125	371,843	45,625	1,435,279	4,097,121	227,002	-	654,003	1,932,217
December	580,578	233,828	205,312	73,000	901,093	3,384,231	173,375	-	644,453	1,859,217
<b>Total</b>	<b>9,426,299</b>	<b>2,308,623</b>	<b>5,253,714</b>	<b>660,421</b>	<b>17,354,600</b>	<b>40,679,214</b>	<b>2,041,835</b>	<b>2,408,998</b>	<b>8,257,501</b>	<b>18,982,265</b>
	Percent of Total									
January	6.8	7.5	8.3	10.0	12.5	9.4	6.0	51.0	8.5	9.6
February	9.2	4.8	9.9	8.8	3.9	9.2	7.7	26.9	8.6	7.8
March	11.7	5.2	10.2	9.0	16.1	10.3	8.2	21.9	8.5	7.9
April	8.7	6.9	11.4	7.9	3.1	6.6	8.9	-	9.2	8.4
May	7.5	8.1	11.4	8.8	7.8	7.5	10.0	-	7.5	8.5
June	8.3	8.2	12.2	8.5	10.5	7.4	5.4	-	9.2	8.7
July	6.8	9.8	7.2	7.4	15.9	7.8	5.7	-	7.7	8.8
August	8.3	9.9	6.2	5.4	5.6	6.0	9.2	-	7.9	5.4
September	7.6	9.9	5.9	8.6	5.0	6.5	10.8	-	9.1	5.7
October	10.7	9.8	6.3	7.6	6.2	11.0	8.4	0.1	8.2	9.2
November	8.2	9.9	7.1	6.9	8.3	10.1	11.1	-	7.9	10.2
December	6.2	10.1	3.9	11.1	5.2	8.3	8.5	-	7.8	9.8
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: Botswana Postal Services

Note: "-" denotes zero

## **APPENDIX III: PRINT MEDIA**

Table 9: The Number of Private &amp; Government Owned Newspapers/ Magazines Printed by Type, 2006 - 2019

Year	Newspapers/ Magazines by Type									
	Dailies (issued at least 4 times a week)	Non Dailies (issued once a week)	Magazines (issued once a month)	Advertising magazines (issued once a week)	Total	Dailies (issued at least 4 times a week)	Non Dailies (issued once a week)	Magazines (issued once a month)	Advertising magazines (issued once a week)	Total
	Numbers ('000)					Annual Percentage Change				
2006	16,250	8,263	180	4,380	<b>29,073</b>	...	...	...	...	...
2007	16,250	4,829	10	6,171	<b>27,260</b>	-	(41.6)	(94.4)	40.9	<b>(6.2)</b>
2008	13,790	6,728	120	1,260	<b>21,898</b>	(15.1)	39.3	1100.0	(79.6)	<b>(19.7)</b>
2009	13,790	9,537	120	3,780	<b>27,227</b>	-	41.8	-	200.0	<b>24.3</b>
2010	19,680	6,865	225	504	<b>27,274</b>	42.7	(28.0)	87.5	(86.7)	<b>0.2</b>
2011	19,920	8,457	180	504	<b>29,061</b>	1.2	23.2	(20.0)	-	<b>6.6</b>
2012	21,120	9,438	225	3,097	<b>33,880</b>	6.0	11.6	25.0	514.6	<b>16.6</b>
2013	18,400	7,583	155	2,913	<b>29,051</b>	(12.9)	(19.6)	(31.1)	(5.9)	<b>(14.3)</b>
2014	18,400	8,342	180	3,205	<b>30,126</b>	-	10.0	16.1	10.0	<b>3.7</b>
2015	21,120	9,033	225	4,320	<b>34,698</b>	14.8	8.3	25.0	34.8	<b>15.2</b>
2016	21,120	7,675	120	4,176	<b>33,091</b>	-	(15.0)	(46.7)	(3.3)	<b>(4.6)</b>
2017	21,120	8,461	173	4,560	<b>31,321</b>	-	10.2	(66.7)	9.2	<b>(5.4)</b>
2018	21,120	9,328	213	4,569	<b>35,230</b>	-	10.2	22.8	0.2	<b>12.5</b>
2019	21,120	9,512	210	4,663	<b>35,505</b>	-	2.0	(1.2)	2.1	<b>0.8</b>

Source: Information and Communication Technology Statistics Unit, Statistics Botswana

Note: "... " denotes no data

"-" denotes zero



**Table 10: The Number of Printed Privately Owned Newspapers by Month and Year, 2006 - 2019**

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Month</b>	<b>Number</b>													
January	572,434	340,720	461,391	632,517	418,973	658,123	595,693	586,647	608,048	646,987	599,487	509,336	432,742	761,179
February	694,802	357,677	604,447	801,715	498,455	812,390	871,829	665,157	637,540	689,548	624,453	731,187	856,164	758,326
March	787,541	392,175	534,186	802,539	567,707	836,280	850,444	648,765	797,760	724,630	729,693	784,555	843,542	818,942
April	663,814	357,036	584,023	852,783	617,902	789,167	761,515	628,962	501,706	741,897	678,641	685,258	691,940	784,852
May	724,504	365,211	568,159	851,490	604,632	768,373	861,115	671,085	515,936	826,371	651,729	718,277	791,620	779,440
June	676,516	427,459	558,389	808,970	608,058	848,233	825,964	641,294	481,969	798,645	676,374	735,189	799,118	804,481
July	658,407	376,658	554,682	913,116	625,864	712,975	763,340	658,698	509,934	780,945	676,430	705,847	736,542	756,378
August	754,851	483,463	617,680	827,198	589,192	768,248	918,330	717,488	533,694	757,663	630,559	725,559	834,871	871,114
September	713,158	397,410	575,578	838,034	633,606	762,816	774,668	632,072	469,059	766,957	638,659	730,689	835,981	823,728
October	703,419	577,447	634,043	835,735	557,581	576,388	813,928	612,044	548,909	796,869	621,124	720,660	836,146	795,481
November	738,119	434,445	570,150	745,706	588,202	496,411	797,548	649,758	496,359	792,113	617,604	720,751	841,125	833,664
December	575,711	319,182	465,416	627,595	555,102	427,923	603,158	471,242	346,288	709,918	530,275	694,044	908,392	724,259
<b>Total</b>	<b>8,263,276</b>	<b>4,828,883</b>	<b>6,728,144</b>	<b>9,537,398</b>	<b>6,865,274</b>	<b>8,457,327</b>	<b>9,437,532</b>	<b>7,583,212</b>	<b>6,447,202</b>	<b>9,032,542</b>	<b>7,675,028</b>	<b>8,461,352</b>	<b>9,408,184</b>	<b>9,511,843</b>
	<b>Percent of Total</b>													
January	6.9	7.1	6.9	6.6	6.1	7.8	6.3	7.7	9.4	7.2	7.8	6.0	4.6	8.0
February	8.4	7.4	9.0	8.4	7.3	9.6	9.2	8.8	9.9	7.6	8.1	8.6	9.1	8.0
March	9.5	8.1	7.9	8.4	8.3	9.9	9.0	8.6	12.4	8.0	9.5	9.3	9.0	8.6
April	8.0	7.4	8.7	8.9	9.0	9.3	8.1	8.3	7.8	8.2	8.8	8.1	7.4	8.3
May	8.8	7.6	8.4	8.9	8.8	9.1	9.1	8.8	8.0	9.1	8.5	8.5	8.4	8.2
June	8.2	8.9	8.3	8.5	8.9	10.0	8.8	8.5	7.5	8.8	8.8	8.7	8.5	8.5
July	8.0	7.8	8.2	9.6	9.1	8.4	8.1	8.7	7.9	8.6	8.8	8.3	7.8	8.0
August	9.1	10.0	9.2	8.7	8.6	9.1	9.7	9.5	8.3	8.4	8.2	8.6	8.9	9.2
September	8.6	8.2	8.6	8.8	9.2	9.0	8.2	8.3	7.3	8.5	8.3	8.6	8.9	8.7
October	8.5	12.0	9.4	8.8	8.1	6.8	8.6	8.1	8.5	8.8	8.1	8.5	8.9	8.4
November	8.9	9.0	8.5	7.8	8.6	5.9	8.5	8.6	7.7	8.8	8.0	8.5	8.9	8.8
December	7.0	6.6	6.9	6.6	8.1	5.1	6.4	6.2	5.4	7.9	6.9	8.2	9.7	7.6
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: Information and Communication Technology Statistics Unit, Statistics Botswana

Table 11: Privately Owned Newspapers Net Sales (Pula) by Month and Year, 2006 - 2019

Month	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	392,453	306,431	710,140	1,028,788	3,186,647	2,893,823	3,881,509	2,837,965	2,073,606	1,958,842	1,983,139	1,719,309	1,490,578	1,845,599
February	441,645	312,205	975,323	1,175,741	3,571,801	3,449,813	3,615,286	2,058,640	2,420,135	1,873,932	2,233,009	2,281,211	2,330,455	2,081,482
March	497,758	346,141	987,664	1,203,103	4,100,713	3,277,294	3,686,678	2,481,614	2,276,847	1,996,141	2,254,371	2,763,825	3,388,408	2,599,445
April	407,146	316,287	1,070,427	1,261,137	4,345,546	3,400,752	3,776,656	2,135,025	1,656,983	1,911,649	3,085,248	2,215,176	1,590,473	2,245,840
May	463,419	357,987	1,091,130	1,276,410	4,436,465	3,498,560	4,028,812	3,189,260	1,727,390	2,127,370	2,730,675	2,382,270	2,078,319	2,554,672
June	394,671	378,947	1,045,520	1,357,492	4,997,284	3,411,179	3,863,449	2,420,023	1,612,306	2,023,951	2,508,660	2,396,686	2,289,710	2,556,287
July	411,179	321,626	1,178,626	1,292,613	4,446,676	3,485,139	3,930,546	2,435,725	1,719,958	2,473,195	3,298,816	2,463,139	1,839,162	1,932,578
August	469,901	420,546	1,243,599	1,436,136	4,863,301	3,476,922	4,275,886	2,759,900	1,997,449	2,279,348	2,989,096	2,512,412	2,111,747	2,546,785
September	455,736	342,162	1,114,352	1,402,042	5,229,182	1,992,258	3,425,863	2,321,429	1,729,617	2,247,143	3,146,598	2,533,678	2,040,147	2,097,485
October	439,286	523,206	1,214,594	835,735	4,118,812	2,348,016	4,022,016	2,648,675	2,060,603	2,458,700	2,043,808	2,112,020	2,182,509	2,162,888
November	458,258	376,393	1,084,030	745,706	4,442,403	414,935	4,138,606	2,685,132	1,931,195	2,341,734	2,055,663	2,200,536	2,355,618	2,156,699
December	372,941	280,038	878,247	627,595	3,731,024	359,478	3,483,780	2,048,637	1,191,640	2,317,738	1,912,631	2,158,586	2,436,171	1,740,161
<b>Total</b>	<b>5,204,393</b>	<b>4,281,969</b>	<b>12,593,652</b>	<b>13,642,498</b>	<b>51,469,854</b>	<b>32,008,169</b>	<b>46,129,085</b>	<b>30,022,024</b>	<b>22,397,730</b>	<b>26,009,743</b>	<b>30,241,714</b>	<b>27,738,850</b>	<b>26,133,297</b>	<b>26,519,920</b>
January	7.5	7.2	5.6	7.5	6.2	9.0	8.4	9.5	9.3	7.5	6.6	6.2	5.7	7.0
February	8.5	7.3	7.7	8.6	6.9	10.8	7.8	6.9	10.8	7.2	7.4	8.2	8.9	7.8
March	9.6	8.1	7.8	8.8	8.0	10.2	8.0	8.3	10.2	7.7	7.5	10.0	13.0	9.8
April	7.8	7.4	8.5	9.2	8.4	10.6	8.2	7.1	7.4	7.3	10.2	8.0	6.1	8.5
May	8.9	8.4	8.7	9.4	8.6	10.9	8.7	10.6	7.7	8.2	9.0	8.6	8.0	9.6
June	7.6	8.8	8.3	10.0	9.7	10.7	8.4	8.1	7.2	7.8	8.3	8.6	8.8	9.6
July	7.9	7.5	9.4	9.5	8.6	10.9	8.5	8.1	7.7	9.5	10.9	8.9	7.0	7.3
August	9.0	9.8	9.9	10.5	9.4	10.9	9.3	9.2	8.9	8.8	9.9	9.1	8.1	9.6
September	8.8	8.0	8.8	10.3	10.2	6.2	7.4	7.7	7.7	8.6	10.4	9.1	7.8	7.9
October	8.4	12.2	9.6	6.1	8.0	7.3	8.7	8.8	9.2	9.5	6.8	7.6	8.4	8.2
November	8.8	8.8	8.6	5.5	8.6	1.3	9.0	8.9	8.6	9.0	6.8	7.9	9.0	8.1
December	7.2	6.5	7.0	4.6	7.2	1.1	7.6	6.8	5.3	8.9	6.3	7.8	9.3	6.6
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Percent of Total

Source: Information and Communication Technology Statistics Unit, Statistics Botswana

**Table 12: Privately Owned Newspapers Printed and Their Net Sales, 2011 - 2019**

Year	Private Newspapers & Magazines			
	Printed	Net Sales (Pula)	Printed	Net Sales (Pula)
	Number		Annual Percentage Change	
2011	8,457,327	32,008,169	...	...
2012	9,437,532	7,276,341	11.6	(77.3)
2013	7,583,212	11,990,471	(19.6)	64.8
2014	6,447,202	30,784,265	(15.0)	156.7
2015	9,032,542	26,009,743	40.1	(15.5)
2016	7,675,028	30,241,714	(15.0)	16.3
2017	8,461,352	27,738,850	10.2	(8.3)
2018	9,408,184	26,133,297	11.2	(5.8)
2019	9,511,843	26,519,920	1.1	1.5

Source: Information and Communication Technology Statistics, Statistics Botswana

Note: "..." denotes no data

**Table 13: Private Newspaper Employees by Gender and ICT Access, 2011 - 2019**

Year	Male					Female				
	Total Number	Using Computers	Connected to Internet	Using Intranet	Have Access to Website	Total Number	Using Computers	Connected to Internet	Using Intranet	Have Access to Website
	Numbers									
2011	176	154	154	145	140	142	117	115	106	106
2012	208	169	149	129	129	176	125	125	112	112
2013	115	105	94	91	91	135	134	107	114	20
2014	250	174	165	73	111	177	127	107	56	84
2015	353	266	214	134	198	280	192	162	94	137
2016	251	212	207	78	207	169	137	137	60	137
2017	255	209	205	62	144	180	144	144	38	108
2018	253	211	206	70	176	175	141	141	49	123
2019	258	243	242	70	177	177	144	144	51	124
	Annual Percentage Change									
2011	...	...	...	...	...	...	...	...	...	...
2012	18.2	9.7	(3.2)	(11.0)	(7.9)	23.9	6.8	8.7	5.7	5.7
2013	(44.7)	(37.9)	(36.9)	(29.5)	(29.5)	(23.3)	7.2	(14.4)	1.8	(82.1)
2014	117.4	65.7	75.5	(19.8)	22.0	31.1	(5.2)	0.0	(50.9)	320.0
2015	41.2	52.9	29.7	83.6	78.4	58.2	51.2	51.4	67.9	63.1
2016	(28.9)	(20.3)	(3.3)	(41.8)	4.5	(39.6)	(28.6)	(15.4)	(36.2)	0.0
2017	1.6	(1.4)	(1.0)	(20.5)	(30.4)	6.5	5.1	5.1	(36.7)	(21.2)
2018	(0.8)	0.7	0.5	12.9	21.9	(3.1)	(2.4)	(2.4)	28.9	13.4
2019	2.0	15.4	17.5	0.0	0.9	1.4	2.5	2.5	4.1	1.2

Source: Information and Communications Technology Statistics Unit, Statistics Botswana

Note: "..." denotes no data

## **APPENDIX IV: RADIO AND TELEVISION**

**Table 14: Public and Private Radio Broadcasting Hours by Year, 2011 - 2019**

Year	Programme					
	General	Religious	Instructional/ Special	Commercial/ Advertising	Setswana	English
	<b>Numbers</b>					
2011	31,740	828	984	2,856	20,316	15,804
2012	10,580	276	328	952	6,772	5,268
2013	33,240	1,303	1,584	2,160	19,680	17,136
2014	21,912	789	956	1,556	13,228	11,204
2015	18,881	816	792	3,264	6,744	7,260
2016	18,624	576	876	3,336	4,224	6,240
2017	16,656	576	432	3,024	4,224	6,240
2018	21,224	751	672	3,050	5,232	10,272
2019	24,384	1,056	912	3,480	6,864	14,016
	<b>Annual Percentage Change</b>					
2011	...	...	...	...	...	...
2012	(66.7)	(66.7)	(66.7)	(66.7)	(66.7)	(66.7)
2013	214.2	372.1	382.9	126.9	190.6	225.3
2014	(34.1)	(39.4)	(39.6)	(28.0)	(32.8)	(34.6)
2015	(13.8)	3.4	(17.2)	109.8	(49.0)	(35.2)
2016	(1.4)	(29.4)	10.6	2.2	(37.4)	(14.0)
2017	(10.6)	-	(50.7)	(9.4)	-	-
2018	27.4	30.4	55.6	0.9	23.9	64.6
2019	14.9	40.6	35.7	14.1	31.2	36.4

**Source:** Information and Communications Technology Statistics Unit, Statistics Botswana

**Note:** "..." denotes no data

Table 15: Public and Private Radio Employees by Gender and ICT Access by Year, 2011 - 2019

Year	Male					Female				
	Total Number	Using Computers	Connected to Internet	Using Intranet	Have Access To Website	Total Number	Using Computers	Connected to Internet	Using Intranet	Have Access To Website
	<b>Numbers</b>									
2011	58	58	58	18	-	42	30	30	12	-
2012	48	48	48	24	24	42	38	38	26	26
2013	50	47	47	36	36	46	44	44	32	32
2014	20	20	20	20	20	11	11	11	11	11
2015	51	50	50	-	50	52	50	50	-	50
2016	62	58	62	48	48	75	71	75	-	62
2017	54	54	54	-	45	58	53	56	-	41
2018	58	56	58	-	47	67	62	66	-	52
2019	60	58	59	-	48	69	64	67	-	54
	<b>Annual Percentage Change</b>									
2011	...	...	...	...	...	...	...	...	...	...
2012	(17.2)	(17.2)	(17.2)	33.3	-	0.0	26.7	26.7	116.7	-
2013	4.2	(2.1)	(2.1)	50.0	50.0	9.5	15.8	15.8	23.1	23.1
2014	(60.0)	(57.4)	(57.4)	(44.4)	(44.4)	(76.1)	(75.0)	(75.0)	(65.6)	(65.6)
2015	155.0	150.0	150.0	-	150.0	372.7	354.5	354.5	-	354.5
2016	21.6	16.0	24.0	-	(4.0)	44.2	42.0	50.0	-	24.0
2017	(12.9)	(6.9)	(12.9)	-	(6.3)	(22.7)	(25.4)	(25.3)	-	(33.9)
2018	7.4	3.7	7.4	-	4.4	14.7	17.0	17.0	-	25.6
2019	3.4	3.6	1.7	-	2.1	3.8	3.2	2.3	-	4.9

Source: Information and Communications Technology Statistics Unit, Statistics Botswana

Note: "-" denotes zero  
 "..." denotes no data

**Table 16: Television Weekly Broadcasting Hours by Year, 2011 - 2019**

Year	Programme					
	General	Religious	Instructional/ Special	Commercial/ Advertising	Setswana	English
	<b>Numbers</b>					
2011	5,664	96	192	96	2,112	3,552
2012	2,554	720	192	336	544	1,040
2013	7,680	6,252	192	3,922	3,702	14,304
2014	5,116	6,252	192	5,058	3,672	14,304
2015	10,710	2,111	192	94	2,095	10,747
2016	10,485	2,204	216	2,298	2,066	10,587
2017	10,584	2,173	216	2,103	2,056	10,679
2018	10,534	2,189	216	2,201	2,062	10,633
2019	10,693	2,607	216	2,201	2,104	10,763
	<b>Annual Percentage Change</b>					
2011	...	...	...	...	...	...
2012	(54.9)	650.0	-	250.0	(74.2)	(70.7)
2013	200.8	768.3	-	1,067.3	580.5	1,275.4
2014	(33.4)	-	-	29.0	(0.8)	-
2015	109.3	(66.2)	-	(98.1)	(42.9)	(24.9)
2016	(2.1)	4.4	12.5	2,344.7	(1.4)	(1.5)
2017	0.9	(1.4)	-	(8.5)	(0.5)	0.9
2018	(0.5)	0.7	-	4.6	0.3	(0.4)
2019	1.5	19.1	-	-	2.1	1.2

**Source:** Information and Communications Technology Statistics Unit, Statistics Botswana

**Note:** "..." denotes no data

Table 17: Public Television Employees by Gender and ICT Access by Year, 2011 - 2019

	Male					Female				
	Total Number	Using Computers	Connected to Internet	Using Intranet	Have Access To Website	Total Number	Using Computers	Connected to Internet	Using Intranet	Have Access To Website
<b>Year</b>	<b>Numbers</b>									
<b>2011</b>	<b>77</b>	77	77	77	77	<b>75</b>	75	75	75	75
<b>2012</b>	<b>91</b>	91	85	91	85	<b>114</b>	114	87	114	87
<b>2013</b>	<b>345</b>	315	282	273	27	<b>403</b>	400	321	340	60
<b>2014</b>	<b>46</b>	43	29	22	21	<b>77</b>	76	34	56	20
<b>2015</b>	<b>36</b>	34	34	20	24	<b>85</b>	83	44	57	-
<b>2016</b>	<b>27</b>	27	21	19	19	<b>70</b>	69	33	58	58
<b>2017</b>	<b>27</b>	26	24	20	19	<b>71</b>	70	69	58	57
<b>2018</b>	<b>44</b>	44	44	44	44	<b>89</b>	88	88	88	88
<b>2019</b>	<b>44</b>	42	42	42	42	<b>75</b>	74	74	72	72
<b>Annual Percentage Change</b>										
<b>2011</b>	...	...	...	...	...	...	...	...	...	...
<b>2012</b>	<b>18.2</b>	18.2	10.4	18.2	10.4	<b>52.0</b>	52.0	16.0	52.0	16.0
<b>2013</b>	<b>279.1</b>	246.2	231.8	200.0	(68.2)	<b>253.5</b>	250.9	269.0	198.2	(31.0)
<b>2014</b>	<b>(86.7)</b>	(86.3)	(89.7)	(91.9)	(22.2)	<b>(80.9)</b>	(81.0)	(89.4)	(83.5)	(66.7)
<b>2015</b>	<b>(21.7)</b>	(20.9)	17.2	(9.1)	14.3	<b>10.4</b>	9.2	29.4	1.8	(100.0)
<b>2016</b>	<b>(25.0)</b>	(20.6)	(38.2)	(5.0)	(20.8)	<b>(17.6)</b>	(16.9)	(25.0)	1.8	-
<b>2017</b>	-	(3.7)	14.3	2.6	-	<b>1.4</b>	1.4	109.1	(0.9)	(1.7)
<b>2018</b>	<b>63.0</b>	69.2	83.3	125.6	131.6	<b>25.4</b>	25.7	27.5	53.0	54.4
<b>2019</b>	-	(4.5)	(4.5)	(4.5)	(4.5)	<b>(15.7)</b>	(15.9)	(15.9)	(18.2)	(18.2)

**Source:** Information and Communications Technology Statistics Unit, Statistics Botswana

**Note:** "-" denotes zero

"..." denotes no data



## **APPENDIX V: ICT DEVELOPMENT INDEX (IDI)**

**Table 18: Botswana ICT Development Index (IDI) by Year, 2012 - 2018**

Year	IDI	Regional Rank	Global Rank
2018	5	5	109
2017	5	5	109
2016	4	5	109
2015	4	5	109
2014	4	6	111
2013	4	5	104
2012	4		100

Source: International Telecommunications Union

## **APPENDIX IX: DEFINITION**

## 1.1 Radio

A radio is a device capable of receiving broadcasting radio signals, using popular frequencies such as FM, AM, LW and SW. It includes a radio set intergraded in a car or an alarm clock but excludes radios integrated with a mobile phone, a digital audio player.

## 1.2 Television

A TV (Television) is a stand – alone device capable of receiving broadcasting television signals, using popular access means such as over – the – air , cable and satellite. It excludes TV functionality intergraded with another device, such as a computer or a mobile.

## 1.3 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.

## 1.4 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.

## 1.5 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.

## 1.6 Broadband

Connection to the internet at speed equal to/ or greater than 256 kilobits per second, as the sum of capacity in both directions.

## 1.7 Digital Subscriber Line (DSL)

Technologies that provide digital data transmission.

## 1.8 Asymmetric Digital Subscriber line (ADSL)

DSL with different speed for upstream and downstream.

## 1.9 Intranet

Refers to a network using the same protocol as the internet and allowing communication within an organization. It is typically set up behind a firewall to control access.

## 1.10 Extranet

An extranet is a private, secure extension of an internet running on Internet protocol. It allows selected external users to access some parts of an organization's intranet.

## 1.11 Website

Location on the wide world web identified by a web address. Collection of web files on a particular subject that includes a beginning file called a home page. Information is encoded with specific languages (Hypertext mark – up language (HTML), XML, Java) readable with a web browser, like Netscape's Navigator or Microsoft's Internet Explorer.

## 1.12 Local 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.

## 1.13 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.

## 1.14 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.

## 1.15 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.

## 1.16 Outgoing national mobile minutes

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

## 1.17 SMS Traffic

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



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