



TANZANIA COMMUNICATIONS REGULATORY AUTHORITY

COMMUNICATION STATISTICS: A Report for a Quarter ending
June 2022

Contents

<u>1.</u> Telecom Services Statistics	3
<u>2.</u> Mobile Money Services Statistics	20
<u>3.</u> Internet Services Statistics	23
<u>4.</u> Broadcasting Services Statistics	25
<u>5.</u> Postal and Courier Statistics	29

1

A. TELECOM SERVICES STATISTICS

Telecom Services statistics presented here are for tariffs, Subscriptions, Traffic Minutes and SMS. The presentation is both on quarterly and annual bases.

1. TELECOM TARIFFS (as of June 2022)

These are per minute, SMS and MB charges (Tax Inclusive) without subscribing to a bundle. They are also known as Pay As You Go or Standard tariffs

1.1 Voice Tariffs

These are voice tariffs for local services and international services

Table 1.1a: Local Voice Tariffs per Minute (in TZS)

Operator	On Net -Voice	Off Net -Voice
AIRTEL	30	30
HALOTEL	30	30
SMILE	41	41
TIGO	30	30
TTCL	30	30
VODACOM	30	30
Industry Average	32	32

Table 1.1b: International Voice Tariff per Minute (in TZS)

Operator	EA -Voice	International -Voice
AIRTEL	750	1,520
HALOTEL	875	1,565
SMILE	1,314	1,490
TIGO	1,020	1,887
TTCL	1,829	2,871
VODACOM	1,119	1,998
Industry Average	1,151	1,889

1.2 SMS and Data Tariffs (in TZS)

These are per SMS and MB charges (Tax Inclusive) without subscribing to a bundle. They are also known as Pay As You Go or Standard tariffs

Chart 1.2a Local and International SMS Tariffs

Operators	Local SMS	International SMS
AIRTEL	8	215
HALOTEL	5	95
SMILE	27	250
TIGO	8	215
TTCL	10	138
VODACOM	10	300
Industry Average	11	202

Chart 1.2b Data Tariffs

Operators	Data (MBs)
AIRTEL	9.35
HALOTEL	9.35
SMILE	3.4
TIGO	9.35
TTCL	9.35
VODACOM	9.35
Industry Average	8

1.3 Disaggregated Bundle Tariffs (in TZS)

These are per minute charges (Tax Inclusive) Voice Calls subscribing to a bundle.

Table 1.3 Disaggregated Bundle Tariffs

Operator	On Net	Off Net	SMS	Data
Vodacom	7.6	6.1	1.5	2.3
Tigo	5.6	3	0.9	1.5
Airtel	3.6	5.8	1.1	1.8
Halotel	4.4	5.4	0.8	1.6
TTCL	7.1	7.1	2.2	2.1
Smile	18	18	12	1.6
Industry Average	7.7	7.6	3.1	1.8

Chart 1.4a Industry Average for Basic Tariffs

On Net	32
Off net	32
SMS	11
Data	8

Table 1.4b Industry Average for Basic Tariffs

EA Calls	1151
Other Int. Calls	202
Int. SMS	1889

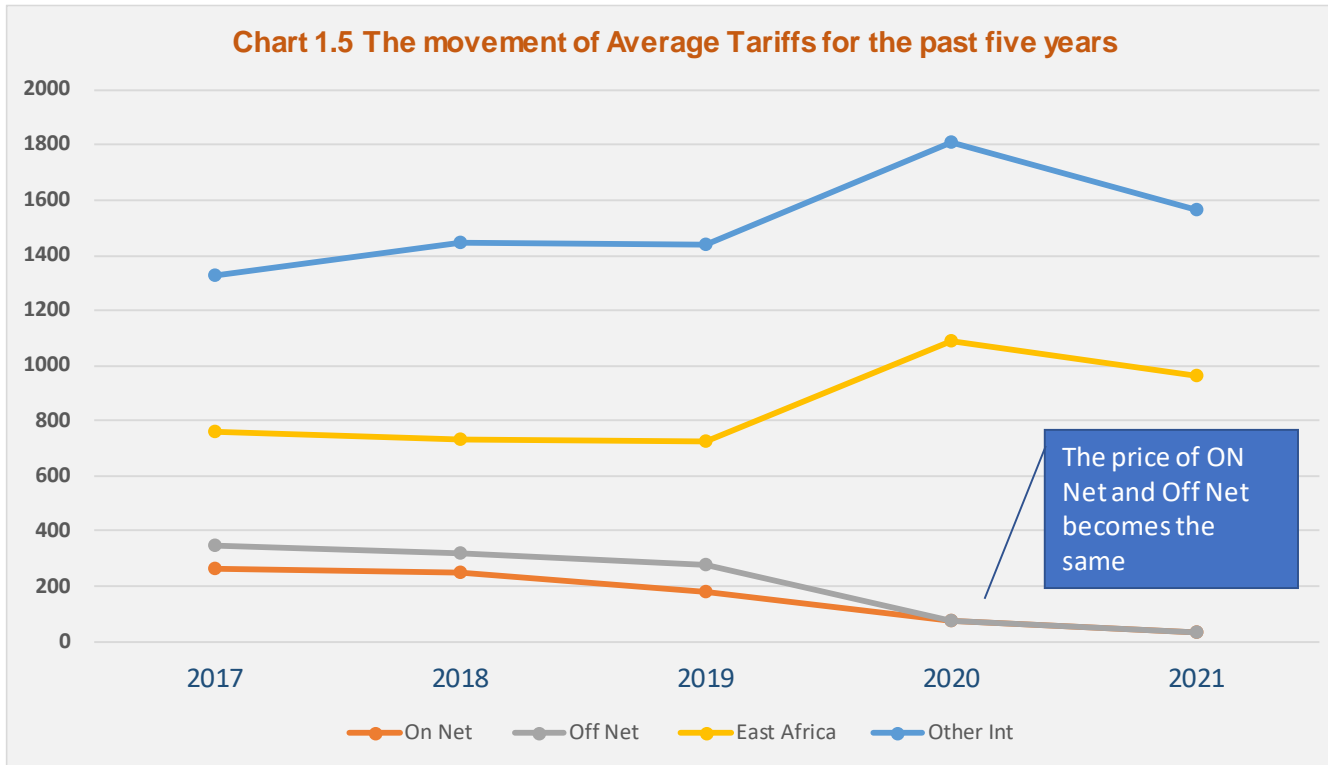
1.5 Industry Average of Tariffs in all Destinations and Services

These are simple average figures giving pictures of the industry as a whole

1.5 Trend of Average Tariffs for the past five years

Years	2017	2018	2019	2020	2021
On Net	264	249	180	74	34
Off Net	349	320	278	75	34
East Africa	761	731	725	1,090	966
Other Int	1,325	1,443	1,439	1,809	1,564

Chart 1.5 The movement of Average Tariffs for the past five years



2. TELECOM SUBSCRIPTIONS

It is a count of all active SIM Cards which have registered an activity/ used at least once in the past three months

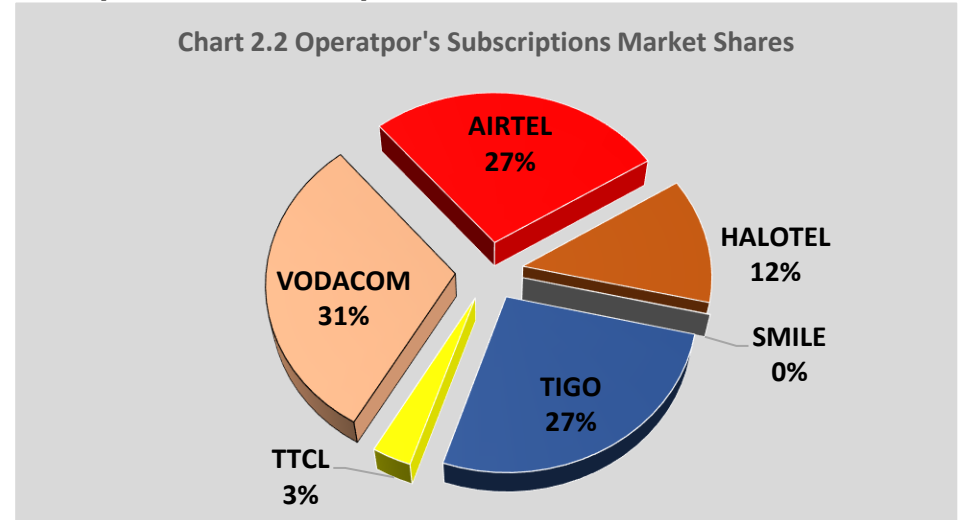
2.1 Number of Telecom Subscriptions

	APRIL	MAY	JUNE
Airtel	14,902,524	15,051,999	15,290,789
Halotel	7,048,573	6,818,029	7,021,425
Smile	13,082	13,364	13,672
Tigo	14,904,827	14,828,455	14,923,064
TTCL	1,937,602	1,981,508	1,783,301
Vodacom	16,928,506	17,026,928	17,192,496
Total	55,735,114	55,720,283	56,224,747

2.3 Subscriptions to Mobile and Fixed Network

	APRIL	MAY	JUNE
Mobile Subs	55,663,635	55,648,791	56,153,097
Fixed Subs	71,479	71,492	71,650
% of Fixed Subs	0.13%	0.13%	0.13%

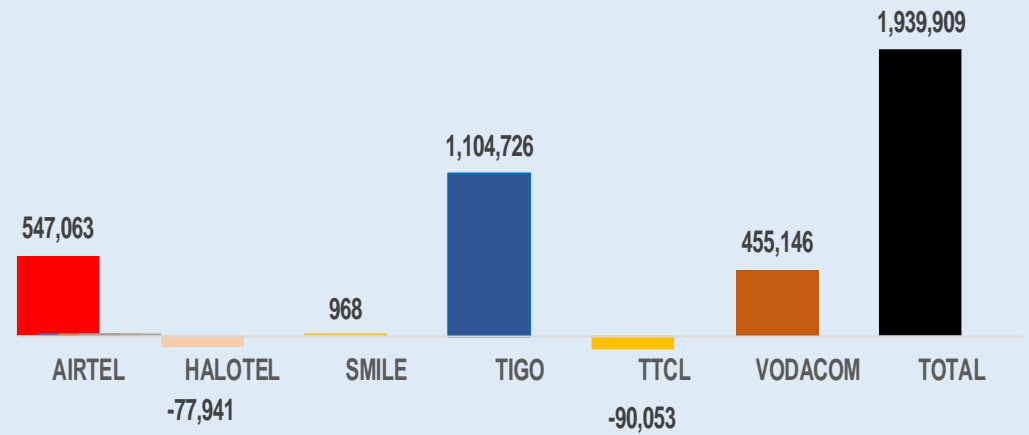
2.2 Operator's Subscriptions Market Shares as of June 2022



2.4 Increase/Decrease of Subscriptions per Operator in this Quarter

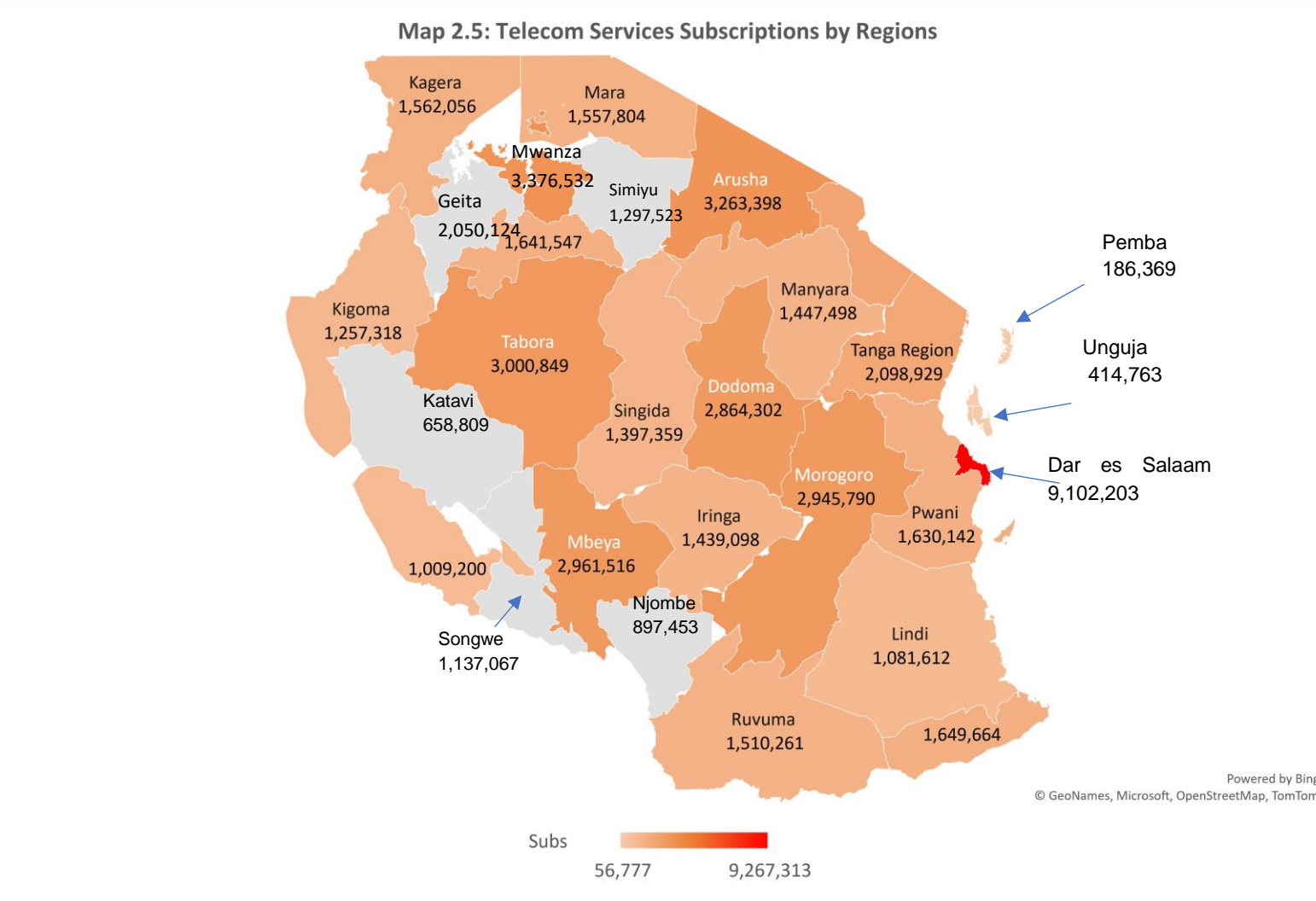
	APRIL	MAY	JUNE	TOTAL
AIRTEL	158,798	149,475	238,790	547,063
HALOTEL	-50,793	-230,544	203,396	-77,941
SMILE	378	282	308	968
TIGO	1,086,489	-76,372	94,609	1,104,726
TTCL	64,248	43,906	-198,207	-90,053
VODACOM	191,156	98,422	165,568	455,146
TOTAL	1,450,276	-14,831	504,464	1,939,909

Chart 2.4: Total Increase/Decrease of Subscriptions in this Quarter



2.5 Telecom Services Subscriptions by Region as of June 2022

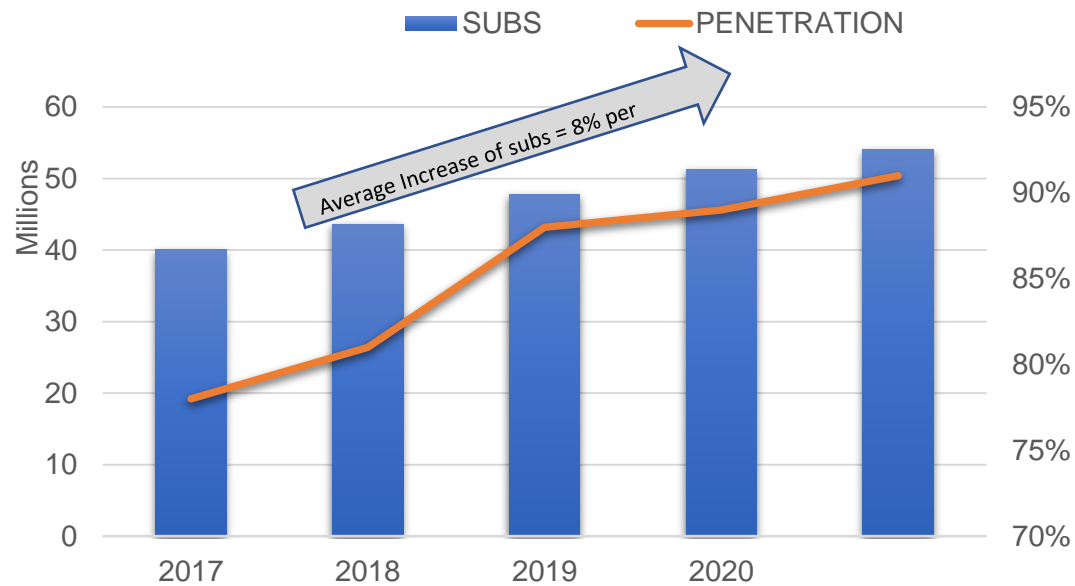
These are number of active SIMCARDS for each region of Tanzania



2.6 Trend of Telecom Subscriptions for the past five years

Year	2017	2018	2019	2020	2021
Mobile Subs	39,953,860	43,497,261	47,685,232	51,220,233	54,044,384
Fixed Subs	127,094	124,238	76,288	72,469	71,834
SUBS	40,080,954	43,621,499	47,761,520	51,292,702	54,116,218
PENETRATION	78%	81%	88%	89%	91%

Chart 2.6 Telecom Subscriptions and Penetration



3. TELECOM TRAFFIC MINUTES

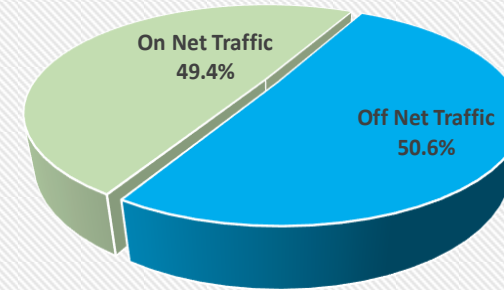
3.1 Local Traffic

This presents on net and off net voice traffic minutes for calls made locally (within the country)

	APRIL	MAY	JUNE	TOTAL
On Net Traffic	4,532,070,224	4,909,117,138	5,111,125,345	14,552,312,707
Off Net Traffic	4,638,734,637	5,130,037,503	5,118,121,923	14,886,894,063
TOTAL	9,170,804,861	10,039,154,641	10,229,247,268	29,439,206,770

3.2 Market Shares on Local Traffic

Chart 3.2 Market Share on Local On Net and Off Net Traffic



3.2 International Traffic

This presents international on net and off net voice traffic minutes for calls made to/from Internationals

	APRIL	MAY	JUNE	TOTAL
Traffic to EA	697,964	725,750	722,753	2,146,467
Traffic from EA	1,136,637	1,188,345	1,127,669	3,452,651
Traffic to Int	2,432,704	2,376,074	2,323,639	7,132,417
Traffic from Int	2,710,607	2,823,737	2,904,722	8,439,066

3.3 Proportions of Traffic To/From EA and other Internationals

Chart 3.3a Proportions of traffic To/From EA

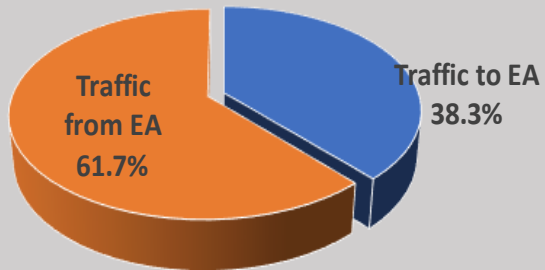
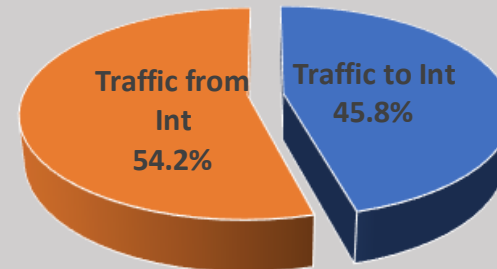


Chart 3.3b Proportions of traffic To/From Other Int.



3.4 Percentage Shares of Traffic Minutes Per Operators as of June 2022

Chart 3.4a Percentages Shares of On Net Traffic

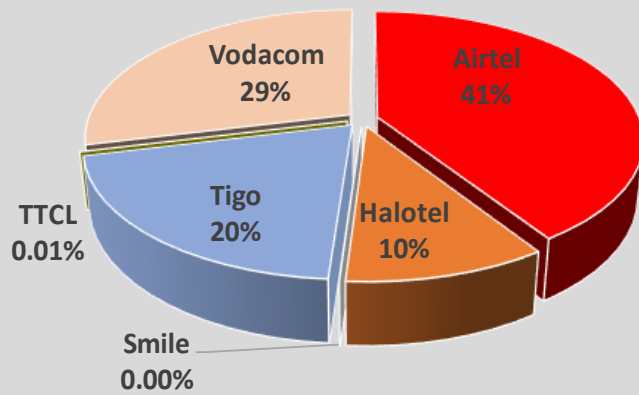


Chart 3.4b Percentages Shares of Off Net Traffic

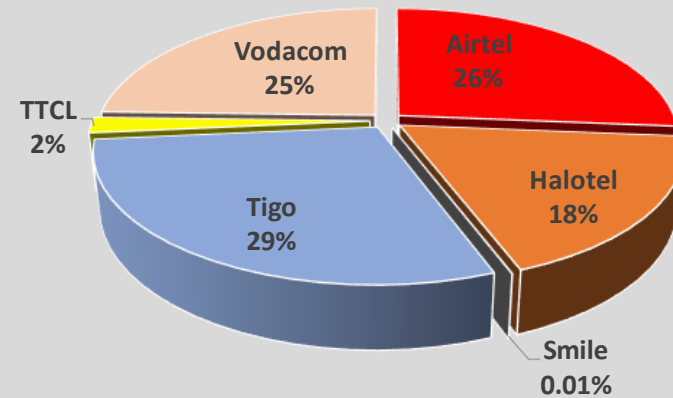


Chart 3.4c Percentage Shares of Traffic to EA

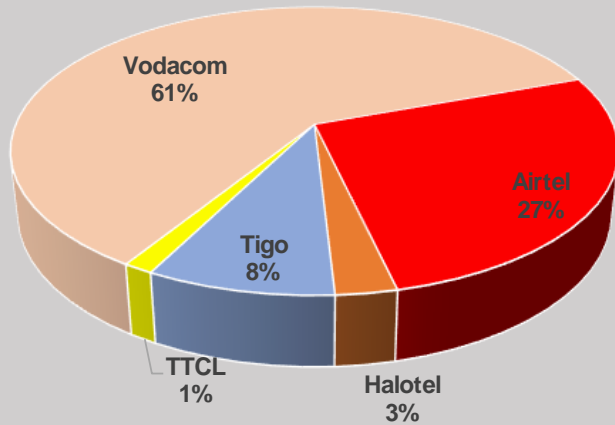


Chart 3.4d Percentage Shares of Traffic Incoming from EA

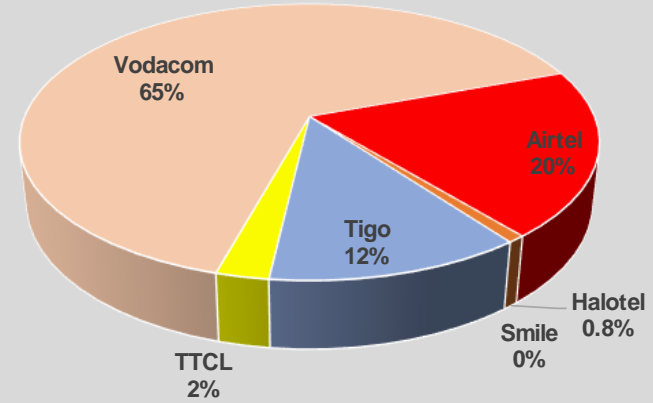


Chart 3.4e Percentage Shares of Traffic to other Int.

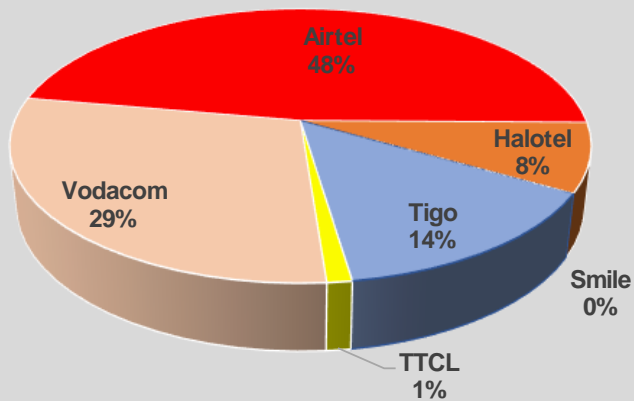
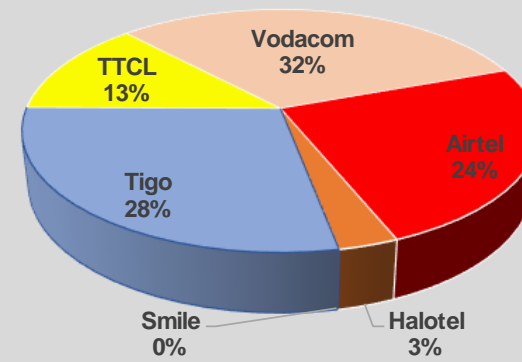


Chart 3.4f Percentage Shares of Traffic Incoming from other Int.



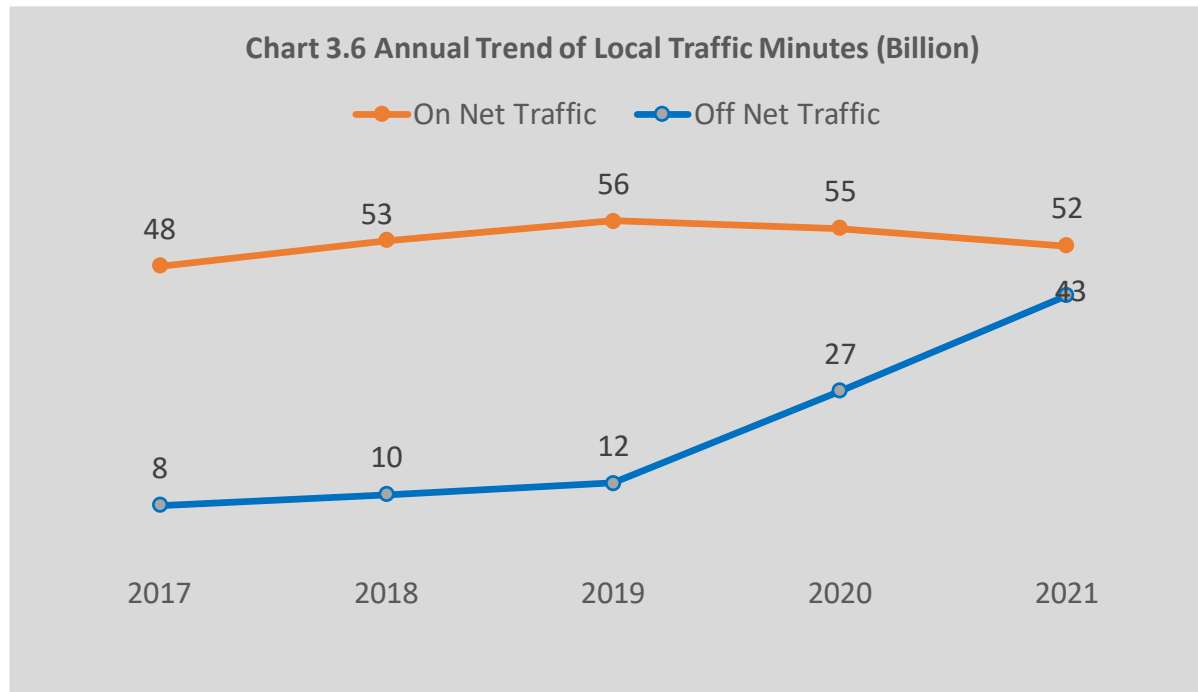
3.5 Minutes used per Subscriptions (Minutes of Use)

Average minutes used by a subscriber in a Month

	APRIL	MAY	JUNE	TOTAL
On Net Traffic	81	88	91	260
Off Net Traffic	83	92	91	266
Traffic to EA	0.01	0.01	0.01	0.04
Traffic to Int	0.04	0.04	0.04	0.13
TOTAL	165	180	182	527

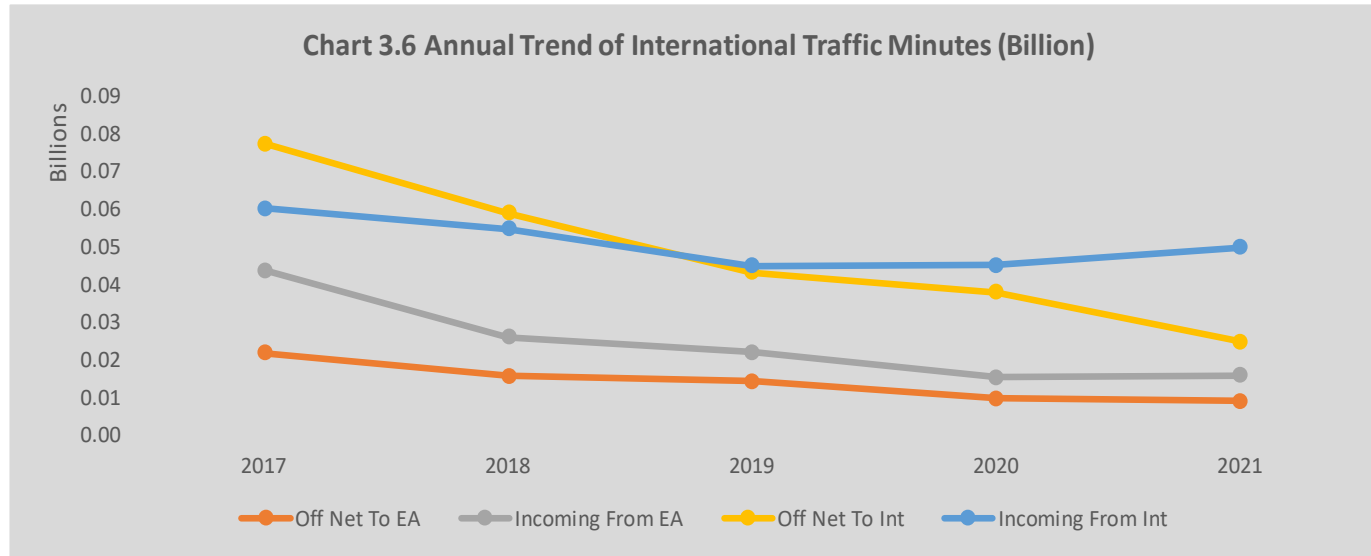
3.6 Trend of Local Traffic Minutes for the past five years

Year	2017	2018	2019	2020	2021
On Net Traffic	48,242,588,295	52,582,949,873	55,812,036,633	54,561,254,851	51,673,651,476
Off Net Traffic	7,811,821,048	9,643,966,008	11,570,993,820	27,084,539,242	43,194,917,029
TOTAL	56,054,409,343	62,226,915,881	67,383,030,453	81,645,794,093	94,868,568,505



3.7 Trend of International Traffic Minutes for the past five years

Year	2017	2018	2019	2020	2021
Off Net To EA	21,952,159	15,777,208	14,252,483	9,738,521	9,097,165
Incoming From EA	43,845,601	26,161,712	21,989,062	15,406,649	15,853,362
Off Net To Int	77,460,933	59,106,315	43,297,997	38,014,133	24,856,947
Incoming From Int	60,303,122	45,100,536	45,100,536	45,172,263	49,885,142



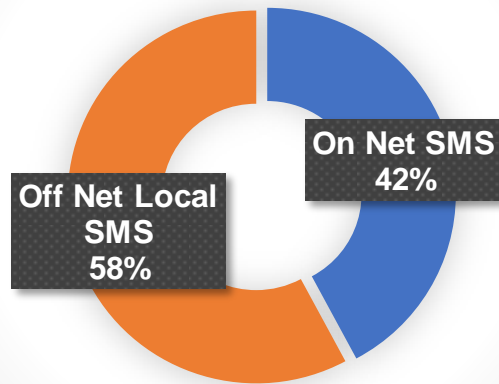
4. TELECOM SMS TRAFFIC

These are number of SMS sent and received in Mobile Networks. There are two types, namely local and international SMS

4.1 Local SMS Traffic

	APRIL	MAY	JUNE	TOTAL
On Net SMS	5,085,038,399	5,396,402,622	5,165,242,001	15,646,683,022
Off Net Local SMS	6,925,962,250	7,447,674,874	7,087,617,579	21,461,254,703

Chart 4.1 Percentage Share of Local SMS Traffic



4.2 International SMS Traffic

	APRIL	MAY	JUNE	TOTAL
Off Net to EA	98,265	103,682	147,932	349,879
Off Net to other Int	289,259	299,855	337,389	926,503
Incoming from EA	4,615,566	2,563,810	2,716,489	9,895,865
Incoming from other Int	303,849,812	317,406,775	240,356,520	861,613,107

Chart 4.2a Percentage Share of SMS Traffic to/from EA

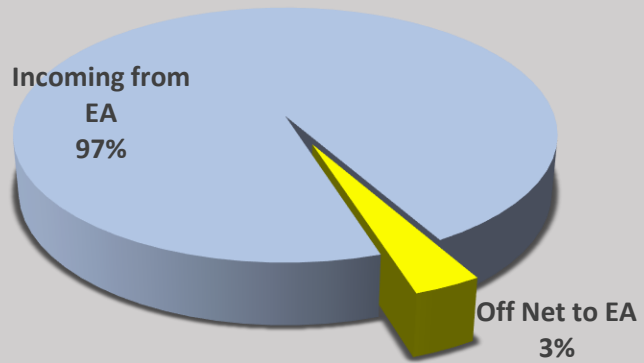
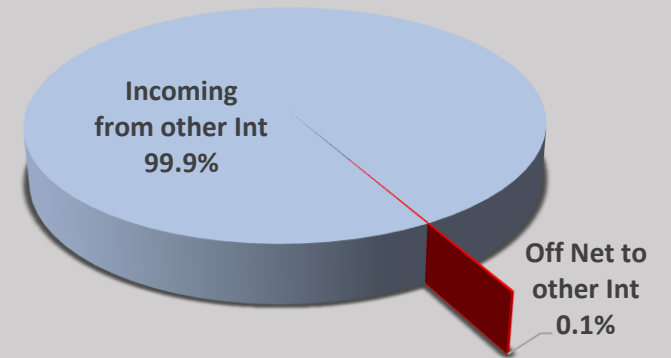


Chart 4.2b Percentage Share of SMS Traffic to/from other Int



4.3 Percentage Shares of SMS Per Operators as of June 2022

Chart 4.3a Percentage shares of Local SMS

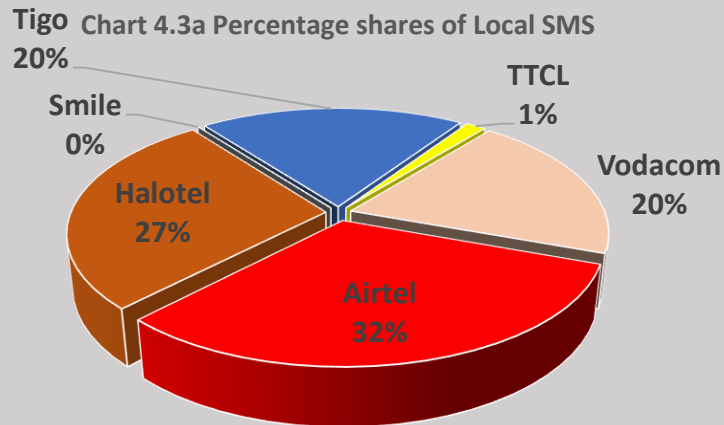
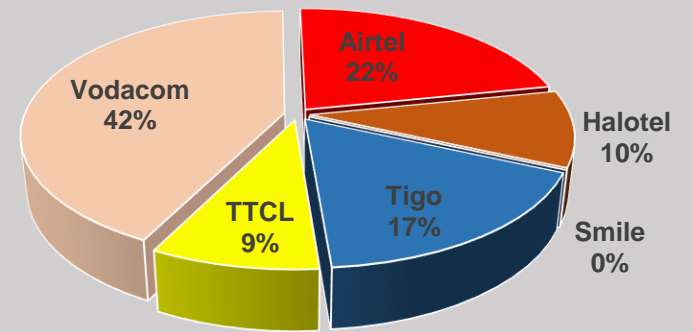


Chart 4.3b Percentage shares of International SMS



4.4 Average number of SMS sent per Subscriptions

	APRIL	MAY	JUNE	TOTAL
On Net SMS	91	97	92	280
Off Net Local SMS	124	134	126	384
Off Net to EA	0	0	0	0
Off Net to other Int	0	0	0	0
TOTAL	216	231	218	664

4.5 Trend of Local SMS Traffic in the past five years

Year	2017	2018	2019	2020	2021
On Net SMS Traffic	52,062,893,160	54,290,724,091	53,787,444,093	61,971,569,487	58,875,779,663
Off Net SMS Traffic	26,215,984,407	39,702,122,789	51,650,529,287	71,072,186,913	78,200,512,436

4.6 Trend of international SMS Traffic in the past five years

Year	2017	2018	2019	2020	2021
Off Net to EA	7,645,584	6,464,617	3,850,602	1,235,692	1,425,624
Off Net to other Int	7,889,705,034	3,592,114,663	6,834,308	2,718,443	3,191,041
Incoming from EA	31,034,328	41,574,119	48,376,608	50,880,982	89,717,530
Incoming from other Int	3,188,971,423	3,297,204,303	3,201,524,787	3,935,379,714	4,599,468,894

2

B. MOBILE MONEY SERVICES STATISTICS

This section present statistics on Mobile Money Services in terms of subscriptions (Number of mobile money accounts), number of transctions and Value of transactions

2.1 Mobile Money Subscriptions (Number of Mobile Money Accounts)

Presents a count of all active SIM Cards with mobile money service accounts which have registered an activity/ have been used at least once in the past three months.

Table 2.1 Mobile Money Service subscriptions (Number of Accounts)

	APRIL	MAY	JUNE
Airtel	7,687,609	7,931,781	8,158,826
Halotel	3,362,678	3,341,956	3,475,464
Tigo	9,418,855	9,476,122	9,741,757
TTCL	1,439,283	1,475,030	1,510,036
Vodacom	14,160,414	14,077,995	14,521,150
TOTAL	36,068,839	36,302,884	37,407,233

Chart 2.1b Market Shares on Subscriptions

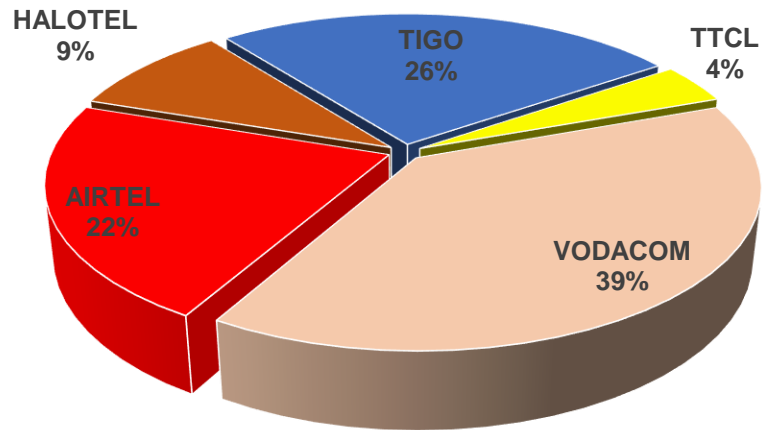


Table 2.2 Total Number and Value of Transactions

	APRIL	MAY	JUNE
No. of Transactions	327,324,035	352,362,035	343,639,879
Value of Transactions	10,321,267,168,688	10,689,193,723,704	11,608,009,683,537

Table 2.3. Monthly Trend of Mobile Money Transactions

Reporting Month	Year	No. of Subs	No. of Trans	Value of Trans.
JANUARY	2022	35,201,960	308,569,751	10,350,248,535,456
FEBRUARY	2022	35,578,052	292,626,474	9,539,172,477,200
MARCH	2022	35,749,298	330,148,997	10,703,041,422,029
APRIL	2022	36,068,839	327,324,035	10,321,267,168,688
MAY	2022	36,302,884	352,362,035	10,689,193,723,704
JUNE	2022	37,407,233	343,639,879	11,608,009,683,538

Table 2.4 Monthly Average Number and Value of Transactions per User

	APRIL	MAY	JUNE	TOTAL
No. of Trans per User	9	10	9	28
Value of Trans. Per User	286,155	294,445	310,315	890,914

Table 2.5 Trend of Mobile Money Transactions in the past three years

Year	2019	2020	2021
No. of Transactions	3,021,142,958	3,412,210,062	3,752,084,894
Value of Transactions	101,869,992,173,236	127,943,018,720,385	137,216,925,887,487
No. of Subs	25,864,318	32,268,630	35,285,767
Annual Average Trans Per User	117	106	106
Annual Average Value of Trans. Per User	3,938,631	3,964,935	3,888,733

3

C. INTERNET SERVICES STATISTICS

Statistics presented here are on subscriptions and usage. Subscriptions in terms of number of SIM Cards using internet services and usage in terms of data traffic.

3.1 Internet Subscriptions

This means a total number of SIM cards that have accessed and use internet services in the last three months regardless of data speeds.

The subscriptions is either through cable modem, DSL, fibre-to-the-home/building, other fixed (wired) broad band subscriptions, satellite broadband, terrestrial fixed wireless broadband, handset-based, computer-based (USB/dongles) and mobile-broadband subscriptions to the public Internet.

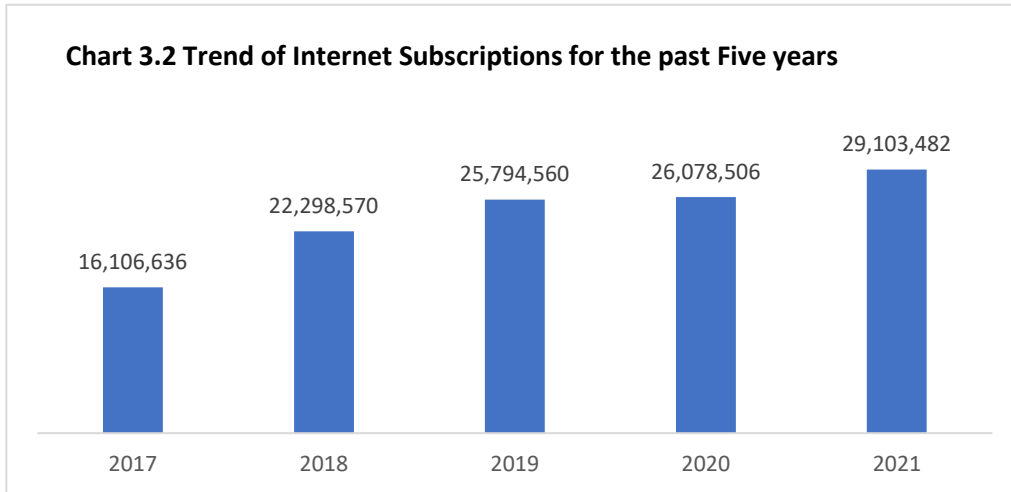
3.2 Trend of Subscriptions for the past five Years

Number of subscription for the past three years is as shown in figure 3.2

Table 3.1 Quarterly Internet Subscriptions

	DECEMBER 2021	MARCH 2022	JUNE 2022
Mobile Wireless Subs	29,069,822	29,614,808	29,126,360
Fixed Wireless Subs	4,542	4,885	6,043
Fixed Wired Subs	29,118	30,588	37,555
TOTAL	29,103,482	29,650,281	29,169,958

Chart 3.2 Trend of Internet Subscriptions for the past Five years



4

D. BROADCASTING SERVICES STATISTICS

Statistics presented here are for Pay TV decoders and Cable TV subscriptions

4.1 Active Decoders

Refers to sold and functional set boxes for TV broadcasting services. It is a count of only functional decoders up to that time period

Table 4.1 Number of Active Decoders per Operators as of June 2022

Operator	DTT	DTH	TOTAL
Agape	2,023	1,978	4,001
Azam	144,861	634,810	779,671
Continetal	40,443	26,289	66,732
DiGiTek	17,392	0	17,392
DSTv	0	203,532	203,532
Star Times	1,485,301	579,147	2,064,448
Zuku	0	33,455	33,455
TOTAL	1,690,020	1,479,211	3,169,231

4.2 Active Decoders in the past three Quarters

These are number of active decoders in the three consecutive quarters. Since the number is cumulative, the figure for quarter ending month is taken as the active decoders as of the end of the quarter

Table 4.2 Number of active Decoders in the last three Quarters

Year	Quarter ending	Active Deceoders
2021	December	3,190,346
2022	March	3,238,883
2022	June	3,169,231

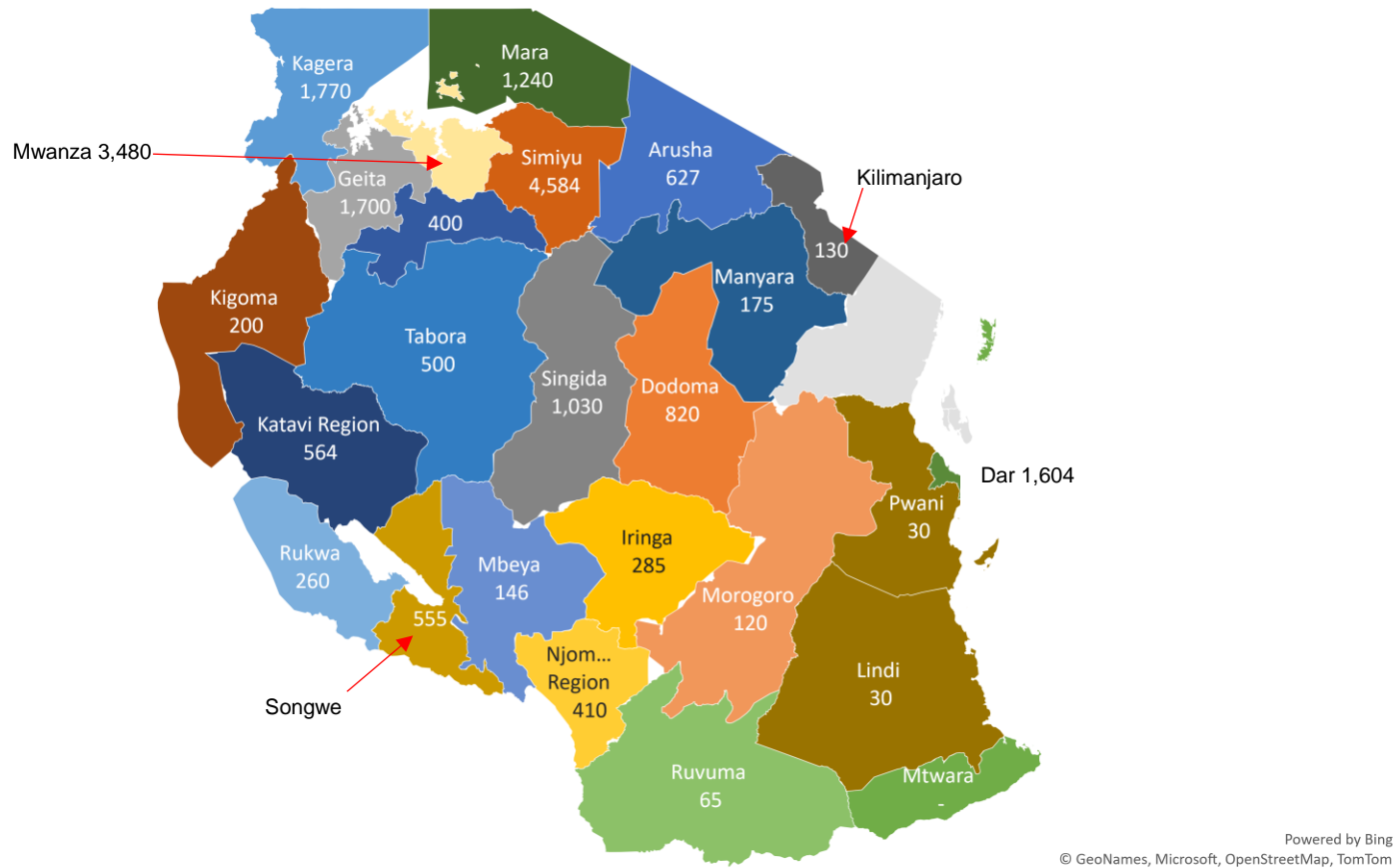
Table 4.3 Active decoders in the last three Years and Number of Persons per one Decoder

Year	2019	2020	2021	June 2022
Active Decoders	2,525,289	2,814,003	3,190,346	3,169,231
One Decoder/Persons	22	20	19	19

4.4 Cable TV Subscriptions

These are subscriptions by consumers on television services provided via radio frequency (RF) signals transmitted through coaxial cables, or in more recent systems, light pulses through fibre-optic cables.

Map 4.2: Cable TV Subscribers in Tanzania as of June 2022



4.4 Number of Cable Subscription for the past Five Years

Year	2018	2019	2020	2021	Jun-22
Subscriptions	16,786	15,245	14,350	42,822	41,092

5

E. POSTAL AND COURIER SERVICES STATISTICS

Postal and Courier Services statistics include but not limited to posting and delivery of postal and courier items.

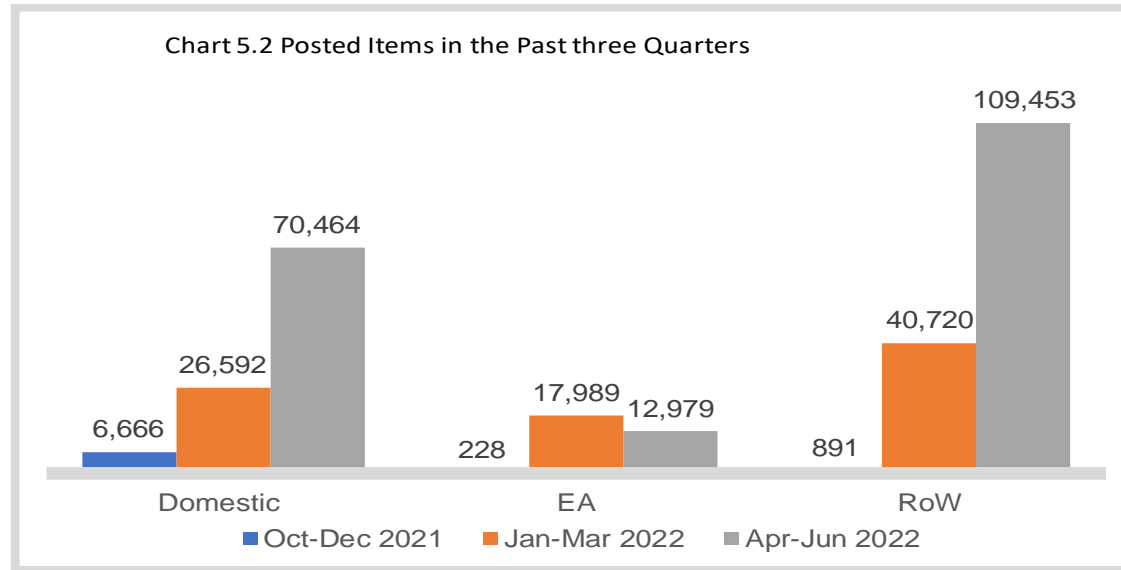
Items such as mails, parcels and documents are posted to and delivered from local (Domestic), East Africa (EA) and Rest of the World (RoW). This section presents statistics for such items

5.1 Posted Items

These are items such as mails, parcels and documents posted within the country, to EA and to the RoW

Table 5.1 Posted Items in the Quarter		Apr-Jun 2022		
	Mails	Parcels	Documents	TOTAL
Local	57,973	639	11,852	70,464
EA	11,852	492	635	12,979
RoW	47,387	59,423	2,643	109,453

5.2 Posted Items in the past three quarters



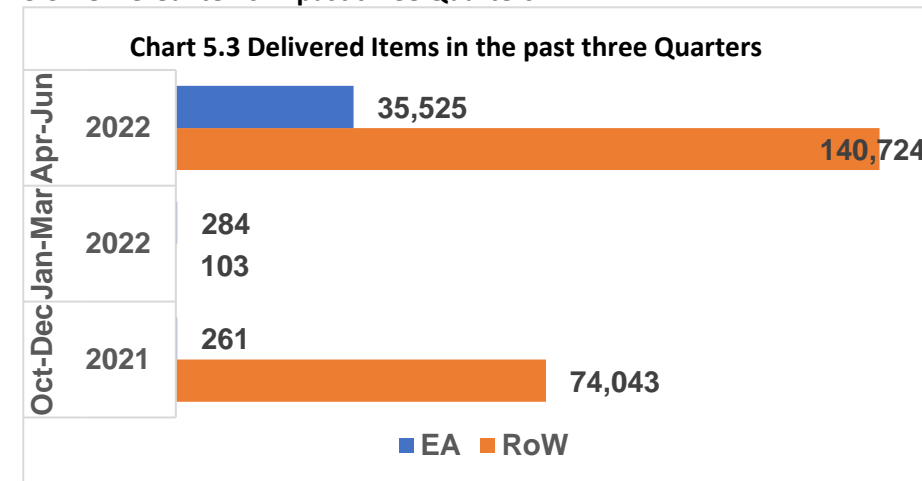
5.3 Delivered Items

These are items from EA and the RoW delivered to our country

Table 5.3 Delivered Items from EA and RoW for the Apr-Jun 2022

	Mails	Parcels	Packets
EA	30,051	841	4,633
RoW	120,614	18,501	1,609

5.3 Delivered Items in past three Quarters



5.4 Annual Posted Items for the past five years

Year	2017	2018	2019	2020	2021
To Domestic	8,228,501	7,065,527	9,280,229	4,024,371	2,745,674
To International	1,892,887	3,753,746	2,873,312	1,116,069	564,528
TOTAL	10,121,388	10,819,273	12,153,541	5,140,440	3,310,202

5.5 Annual International Posted and Delivered Items for the past five years

Year	2017	2018	2019	2020	2021
Posted to Int	10,121,388	5,098,728	2,873,312	1,116,069	564,528
Delivered from Int	2,339,149	7,999,942	3,927,692	1,391,829	958,121