TANZANIA COMMUNICATION REGULATORY AUTHORITY

COMMUNICATION STATISTICS

A Report for a Quarter ending September 2022

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About the Report

This is a report of Communication statistics for the first quarter of financial year 2022/2023. The statistics are provided by the Tanzania Communication Regulatory Authority (TCRA) in five sections including Telecommunications Services, Mobile money, Internet services, Broadcasting and Postal Services.

A. TELECOM SERVICES STATISTICS

Telecom sservices statistics presented at this section are for subscriptions, tariffs, traffic minutes and SMS. The presentation is both on quarterly and annual bases.

1.0 TELECOM SUBSCRIPTIONS

1.1 Number of Telecoms Subscriptions

58.1 Mil

This represents a count of all active SIM Cards which have been registered and are active. Indicating that they have been used at least once in the past three months.

The subscription has increased to 58.1 million subscriptions from 56.2 Million subscriptions in June 2022. It is an increase of 3.4% SIM cards in the market as presented in Tables 1.1 to 1.3

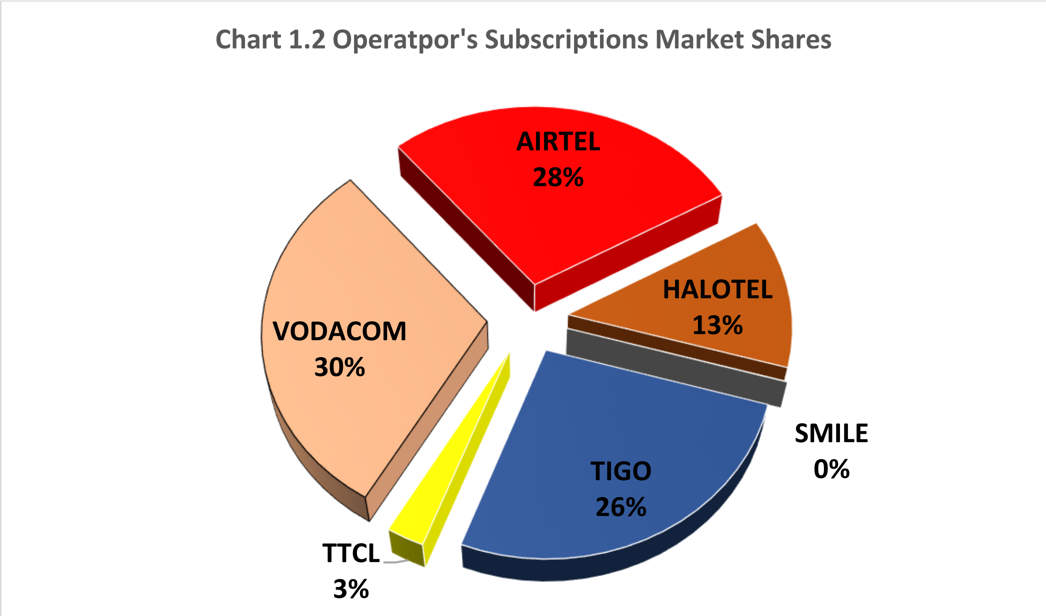
Table 1.1a Number of Telecom Subscriptions

	JULY	AUGUST	SEPTEMBER
AIRTEL	15,635,406	15,951,146	16,241,140
HALOTEL	7,027,452	7,167,646	7,291,612
SMILE	14,058	14,057	14,713
TIGO	14,930,849	15,044,978	15,354,515
TTCL	1,747,413	1,823,580	1,501,200
VODACOM	17,332,150	17,575,177	17,715,781
Total	**56,687,328**	**57,576,584**	**58,118,961**

Table 1.1b. Subscriptions to Mobile and Fixed Network

Subscription	JULY	AUGUST	SEPTEMBER
Mobile Subs	56,599,724	57,493,207	58,032,985
Fixed Subs	87,604	83,377	85,976
% of Mobile Subs	99.85%	99.86%	99.85%
% of Fixed Subs	0.15%	0.14%	0.15%

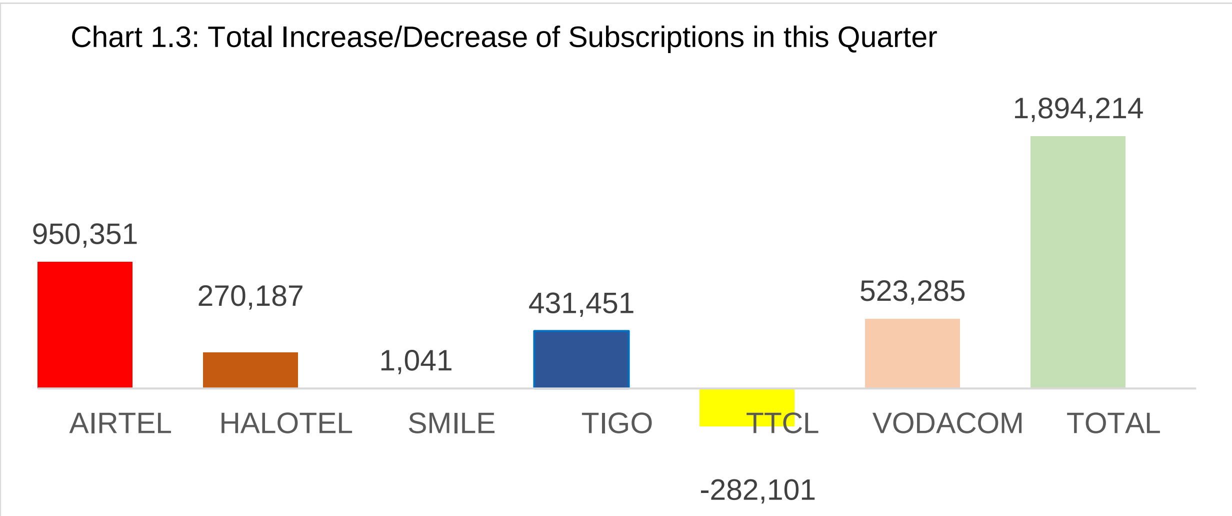
The Mobile subscription accounted for 99.85% of all telecommunications subscription in the Tanzania Market as presented in table 1.1 b



The analysis on market share shows that the market is still very competitive since there is no operator with more 35% of the market share.

Table 1.2. Increase/Decrease of Subscriptions per Operator in this Quarter

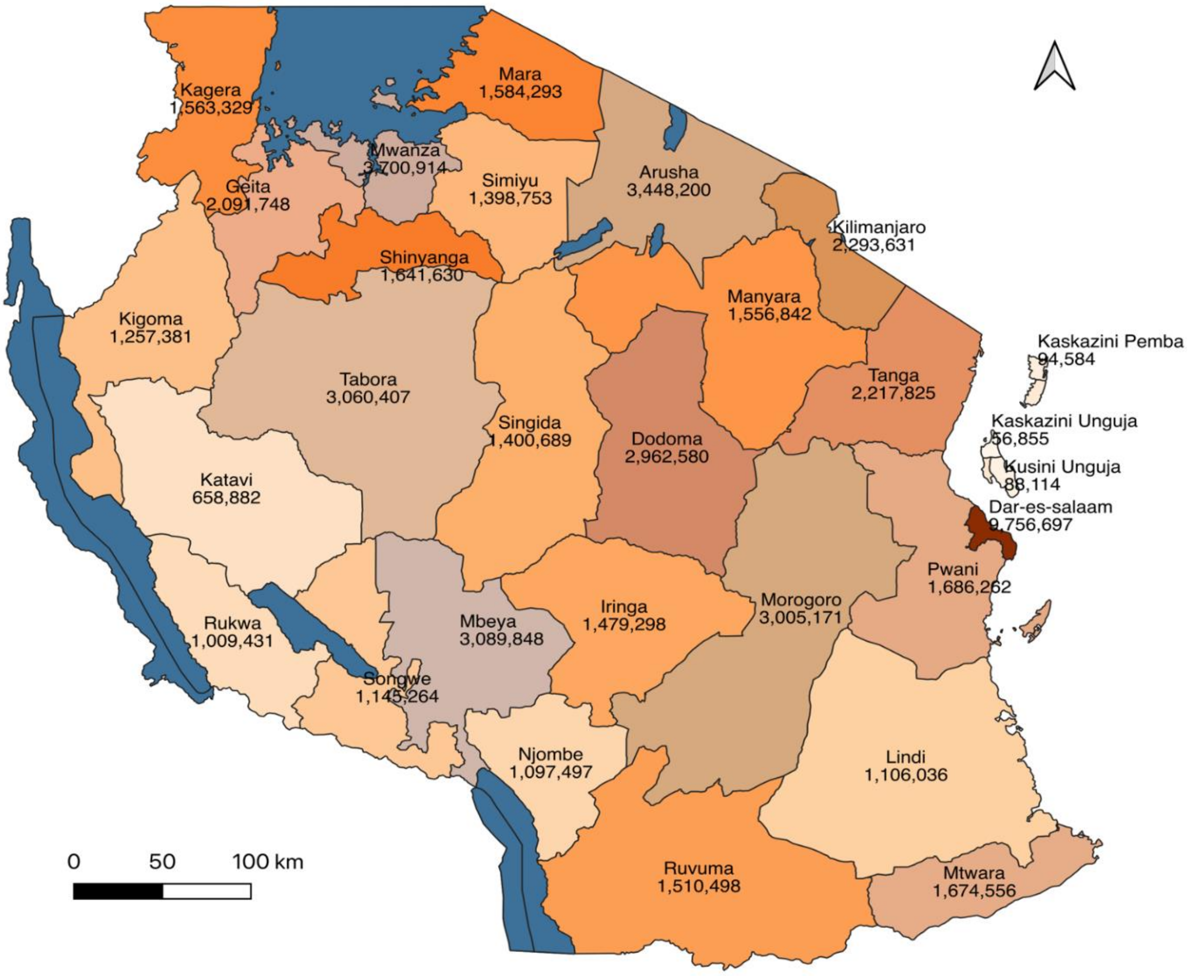
OPERATOR	JULY	AUGUST	SEPTEMBER	TOTAL
AIRTEL	344,617	315,740	289,994	950,351
HALOTEL	6,027	140,194	123,966	270,187
SMILE	386	-1	656	1,041
TIGO	7,785	114,129	309,537	431,451
TTCL	-35,888	76,167	-322,380	-282,101
VODACOM	139,654	243,027	140,604	523,285
TOTAL	**462,581**	**889,256**	**542,377**	**1,894,214**



1.2 Telecom Services Subscriptions by Region as of September 2022

Distribution of SIM Cards per region is presented in Map 1 shows Dar es Salaam is leading with 9.8 million SIM Cards, followed by Mwanza with 3.7 million, Arusha with 3.4 million and the last region is North Unguja with 56,855 SIM Cards.

Map 1. Telecom Services Subscriptions by Region as of September 2022
This map represent number of active SIMCARDS for each region of Tanzania as at 30th September 2022.

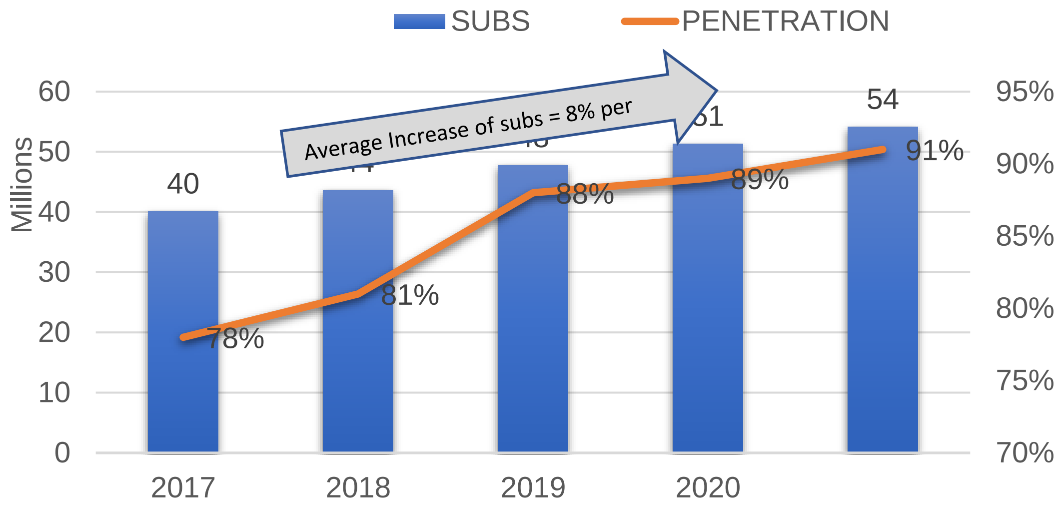


The trend of telecom subscriptions for the past five years shows an increasing trend with an average increase of 8% per annum as presented in table 1.3. Penetration rate has also been increasing at 4% per annum in chart 1.4.

Table 1.3 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
TOTAL SUBS	40,080,954	43,621,499	47,761,520	51,292,702	54,116,218
PENETRATION	78%	81%	88%	89%	91%

Chart 1.4 Telecom Subscriptions and Penetration



2.0 TELECOM TARRIFS

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.

2.1 Voice Tariffs

The status on tariffs shows that on average, calling within and out of the network costs TZS 32 as in June 2022 as presented in figure 2.1 a. This implies that operators are now competing on quality of services to attract more customers in their network because almost all are charging the same rate of TZS 32.

Table 2.1a: Local Voice Tariffs

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**

On average, the East Africa (EA) tariff maintained TZS 1,151 same as previous quarter while for Other International tariff decreased to TZS 1,888 in September from TZS 1,889 in June 2022.

Table 2.1b: International Voice Tariffs

Operator	EA –Voice	Other 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**	**1,888**

2.2 SMS and Data Tariffs

These charges are applicable to subscribers who have not subscribed to bundle tariffs and are charged per SMS and per MB (Tax Inclusive). They are also known as Pay as You Go or Standard tariffs.

Industry Average Local SMS tariff for this quarter maintained TZS 11 per SMS same as June, 2022. International SMS tariff also remained the same at TZS 202 per SMS same as June 2022. This indicates stability in the tariff charges and hence encourage usage as subscribers can budget for services. The analysis is presented in table 2.2a.

Table 2.2a 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**

The analysis in table 2.2b shows that, industry average data tariffs for September is TZS 8 same as June, 2022. The rate remained the same due to existing competition in the sector which makes operators compete in the quality of services and not chargeable rates.

Table 2.2b 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

2.3 Disaggregated Bundle Tariffs (in TZS)

These tariffs are charged per minute (Tax Inclusive) for Voice services subscribed in a bundle. On net tariffs reached TZS 7.8 in September 2022 from TZS 7.7 in June 2022. Apart from the increase, the rate is still low compared to off net tariffs. This implies that more calls within the same network are evidenced than across the network. Average Off Net tariffs was TZS 8.1 in September 2022 from TZS 7.6 in June 2022 showing the usual trend that it is slight high to call across the network than within the network for bundle tariffs plan.

SMS tariff in September 2022 remained at TZS 3.1 as of June 2022. On other hand, data tariff in September 2022 also remains the same at TZS 1.8 as it was in June 2022 as presented in table 2.3.

Table 2.3 Disaggregated Bundle Tariffs

Operator	On Net	Off Net	SMS	Data
VODACOM	6.6	7.0	1.2	1.9
TIGO	6.8	4.4	1.4	1.8
AIRTEL	3.7	5.8	1.1	1.8
HALOTEL	4.6	6.2	1.1	1.8
TTCL	7.2	7.2	1.6	1.9
SMILE	18.0	18.0	12.0	1.8
Industry Average	7.8	8.1	3.1	1.8

2.4 Summary of Industry Average Tariffs (in TZS)

The summary presented in table 2.4 (a) and (b) indicates that, Pay As You Go or Standard tariffs is more expensive tariff plan than bundle tariffs plan.

Table 2.4a Industry Average for Basic Tariffs

On Net	32
Off net	32
SMS	11
Data	8

Table 2.4b Industry Average for Basic Tariffs

EA Calls	1,151
Int. SMS	202
Other Int. Calls	1,888

2.5 Industry Average of Tariffs in all Destinations and Services

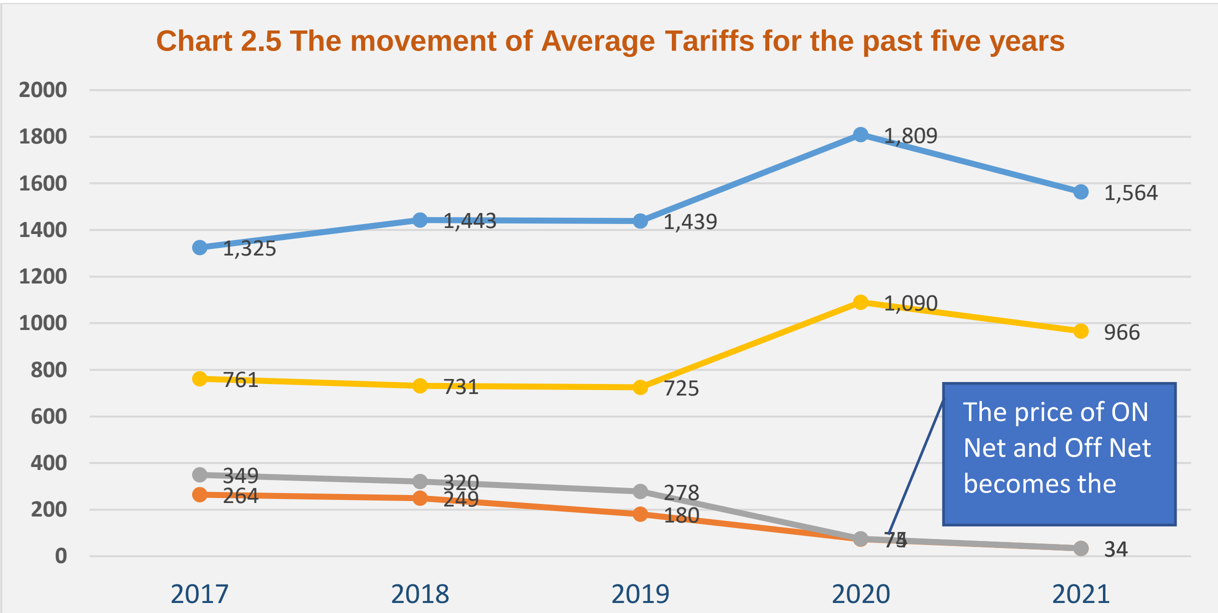
The trend of average tariffs presented in table 2.5 provides an overview of the industry average for the past five years.

Table 2.5. 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

The trend in table 2.5 indicates that for local calls, on net and off net tariffs decreases as time goes while for EAC and other International, tariffs have been increasing over time.

Chart 2.5 The movement of Average Tariffs for the past five years



3.0 TELECOM TRAFFIC MINUTES

3.1 Local Traffic

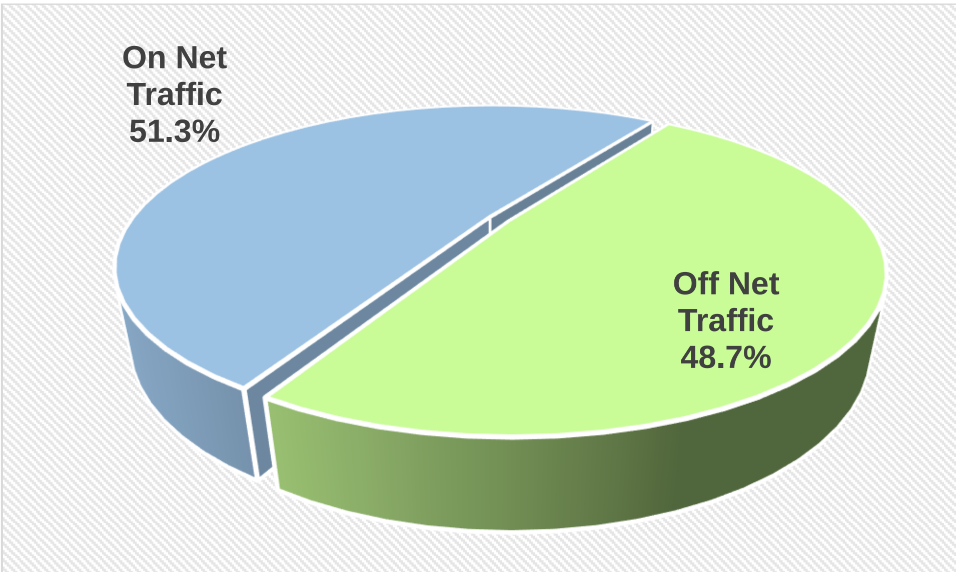
For quarter ending September, the analysis shows that, more subscribers called within the same network than across the network and hence experienced more on net traffic than off net traffic while in the quarter ending June, the analysis showed that more subscribers called across the network than within the same network.

The analysis further shows that in September total traffic reached 33.4billion from 29.4billion in June 2022 which is an increase of 13.3%. This has been contributed by increased economic activities and subscriptions.

Table 3.1 Local Traffic

TRAFFIC	JULY	AUGUST	SEPTEMBER	TOTAL
On Net Traffic	5,592,881,236	5,773,647,918	5,737,888,928	**17,104,418,082**
Off Net Traffic	5,414,676,979	5,506,844,511	5,340,313,716	**16,261,835,206**
TOTAL	**11,007,558,215**	**11,280,492,429**	**11,078,202,644**	**33,366,253,288**

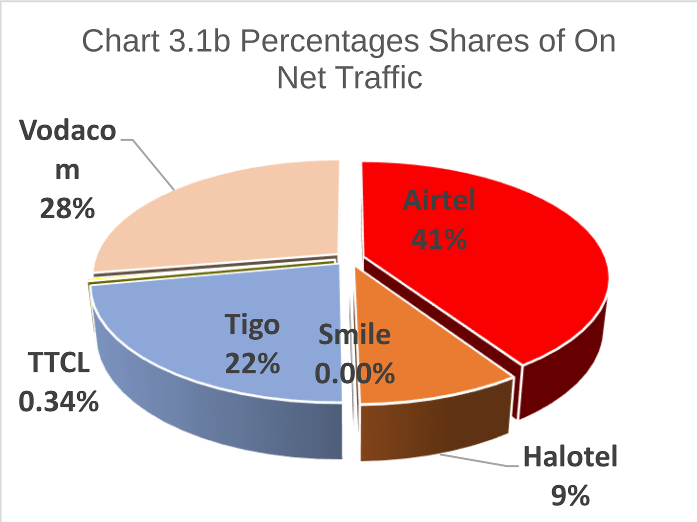
Chart 3.1a Market Shares on Local Traffic

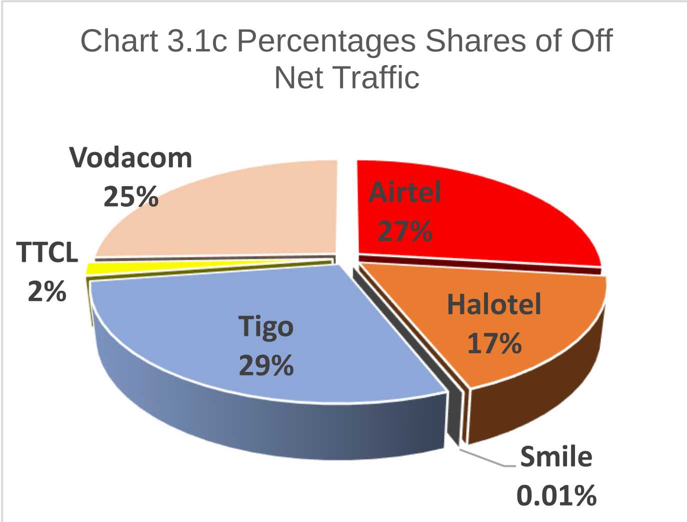


The analysis on chart 3.1 shows that on net traffic has larger market share than off net traffic.

On chart 3.1b shows that, Airtel has larger market share on on-net traffic

On chart 3.1c shows that Tigo has larger market Share on off-net traffic





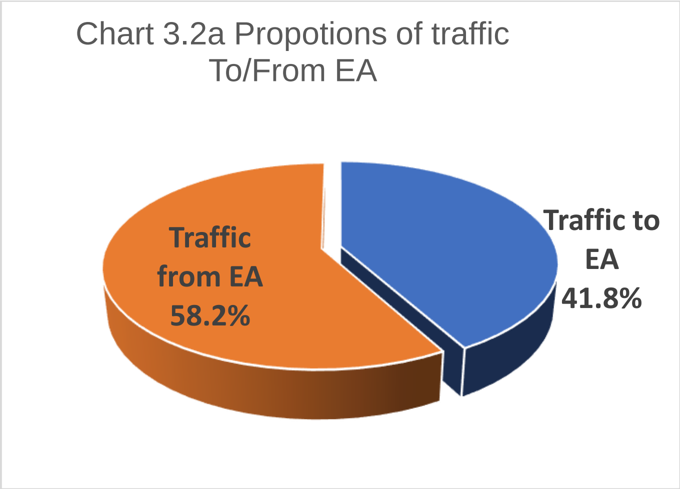
3.2 International Traffic

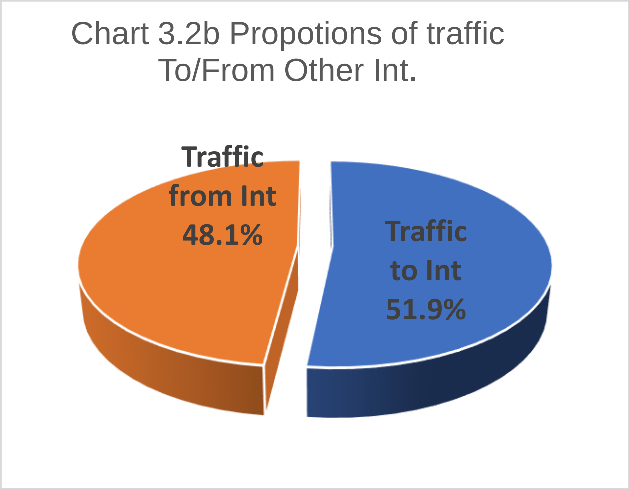
The analysis for international traffic shows that, traffic to EA increased to 2.4 million for quarter ending September from 2.2 million traffic for quarter ending June while traffic from EA decreased to 3.3 million from 3.4 million in June.

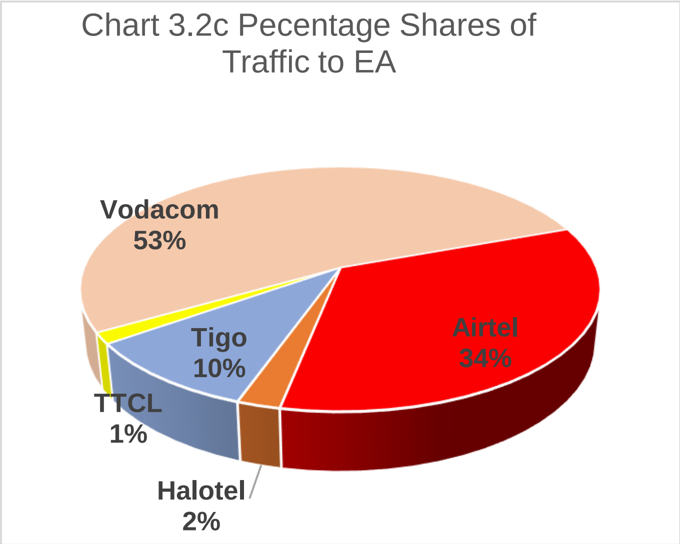
Traffic to international increased to 8.2 million from 7.1 million in June and traffic from international decreased to 7.6 million in September from 8.4 million in June 2022.

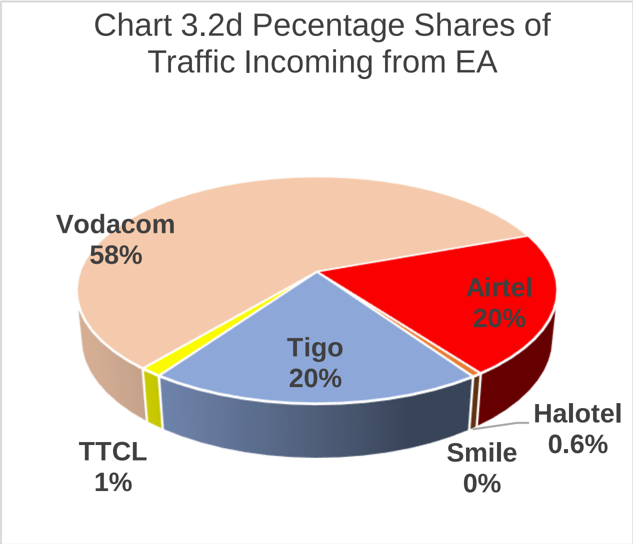
TRAFFIC	JULY	AUGUST	SEPTEMBER	TOTAL
Traffic to EA	900,287	747,230	741,842	**2,389,359**
Traffic from EA	1,187,539	1,044,630	1,089,695	**3,321,864**
Traffic to Int	2,837,192	3,253,072	2,120,399	**8,210,663**
Traffic from Int	2,629,773	2,506,833	2,485,090	**7,621,696**

Further analysis on chart 3.2a shows that there was more traffic from EA than traffic to EA and on chart 3.2b there was more traffic to international than from international with small margin. The result indicates mixed traffic trend over time.



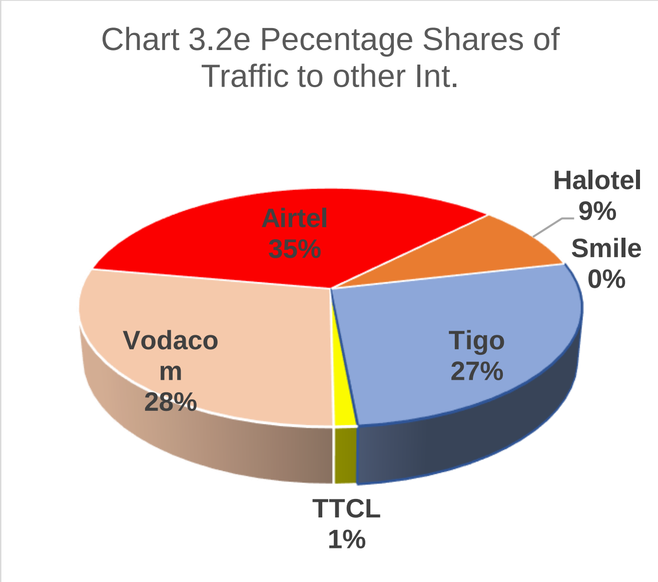


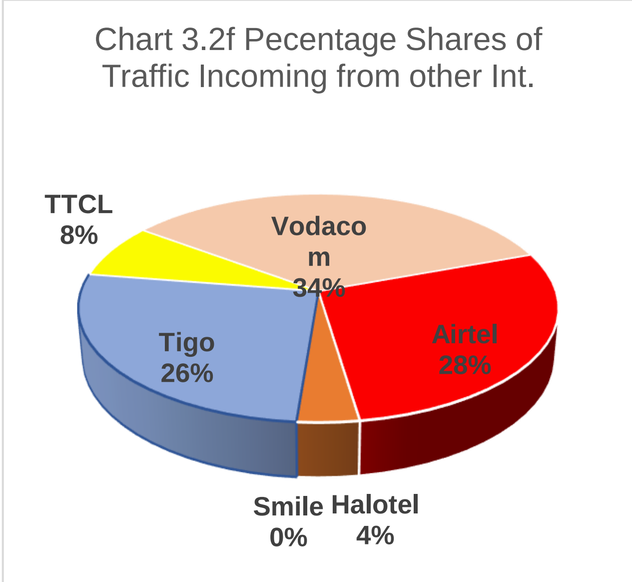




As shown in chart 3.2c, Vodacom has larger market share than other operators on traffic to (outgoing) EA and figure 3.2d shows that Vodacom also has larger market on traffic from (incoming) EA.

Further analysis presented in chart 3.2e shows that, Airtel has large market share on traffic to other international while Vodacom has large market share on traffic from other international as presented in chart 3.2f.





On average subscribers talk more on the same network than across the network for the Quarter under review. Subscribers spent 298 minutes for on net calls compared to 283 minutes for off net calls.

Furthermore, the analysis shows that, on average a subscriber spent 0.14 minutes to call other international countries while to EA spent 0.04 minutes to call.

The quarter trend indicates that more minutes were spent in August than July and September as presented in table 3.3.

Table 3.3 Minutes used per Subscriptions (Minutes of Use)

TRAFFIC	JULY	AUGUST	SEPTEMBER	TOTAL
On Net Traffic	99	100	99	298
Off Net Traffic	96	96	92	283
Traffic to EA	0.02	0.01	0.01	0.04
Traffic to Int	0.05	0.06	0.04	0.14
TOTAL	**194**	**196**	**191**	**581**

Total traffic trend for the past five years has an average growth of 14.2% as presented in table 3.4

Table 3.4 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**

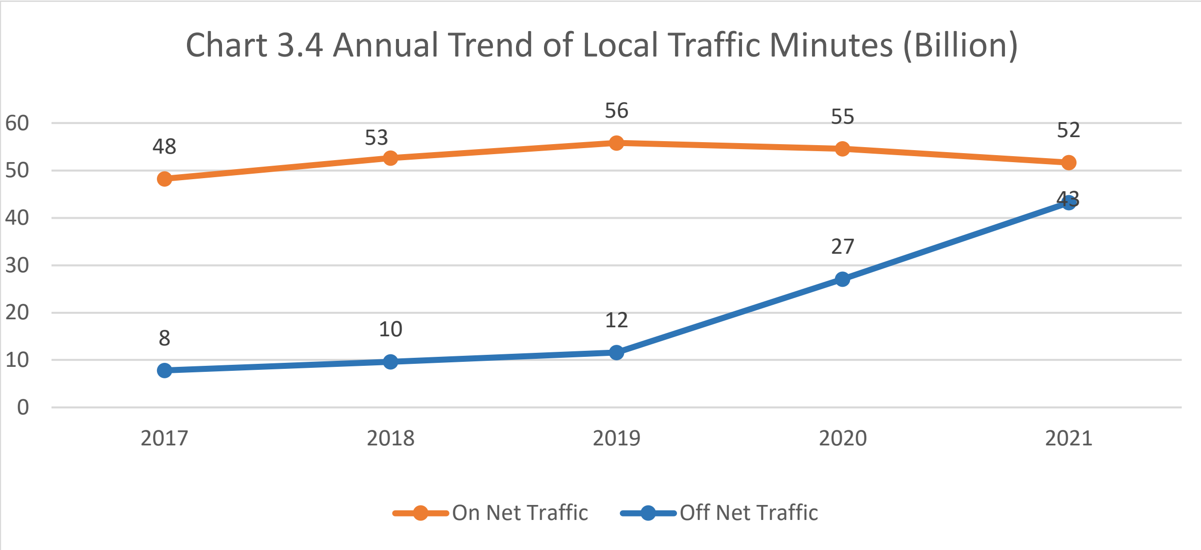


Chart 3.4 shows that as time goes on net and off net local traffic nearly converges same tariff for on net and off net. Subscribers are now charged same tariff for both on net and off net and therefore it has become possible to call across network than previous when tariffs were quite higher for off net than on net.

Table 3.5 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

Table 3.5 shows that traffic to EA has been decreasing at the rate of 10% over the past 5 years while from EA has also been decreasing at the rate of 21% over the past 5 years.

In general, the traffic to international has been decreasing at the rate of 24% over the last 5 years while traffic from other international has also been decreasing at the rate of 4% over the past 5 years.

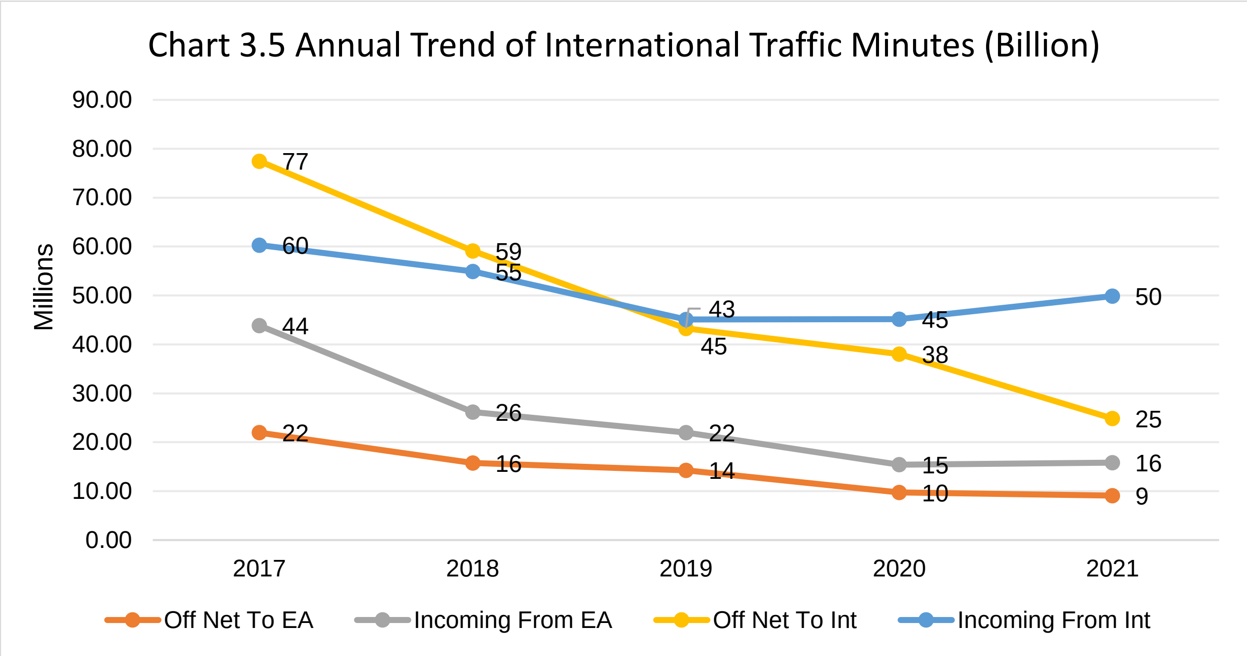


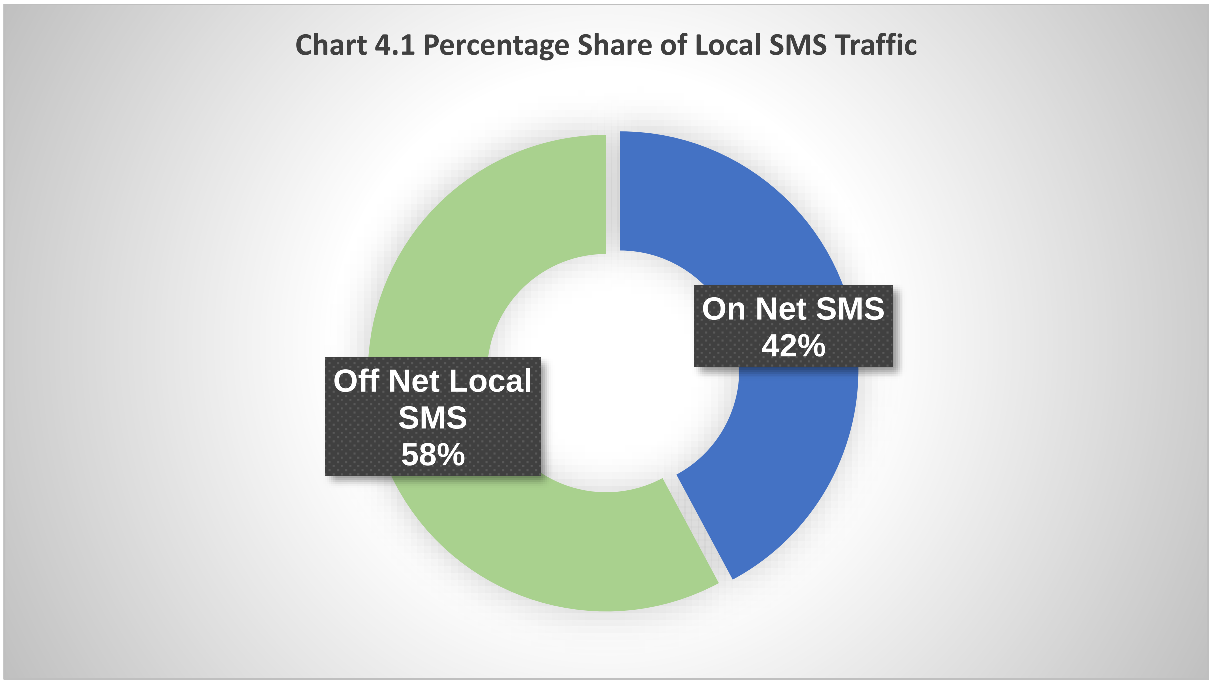
Chart 3.5 Annual Trend of International Traffic Minutes (Billion)
Millions
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
77
60
59
55
43
45
45
38
50
25
44
26
22
15
16
22
16
14
10
9
2017
2018
2019
2020
2021
Off Net To EA
Incoming From EA
Off Net To Int
Incoming From Int

4.0 TELECOM SMS TRAFFIC

These are number of SMS sent and received in Mobile Networks. There two types, namely local and international SMS. The analysis shows that there off net SMS than on net SMS.

4.1 Local SMS Traffic

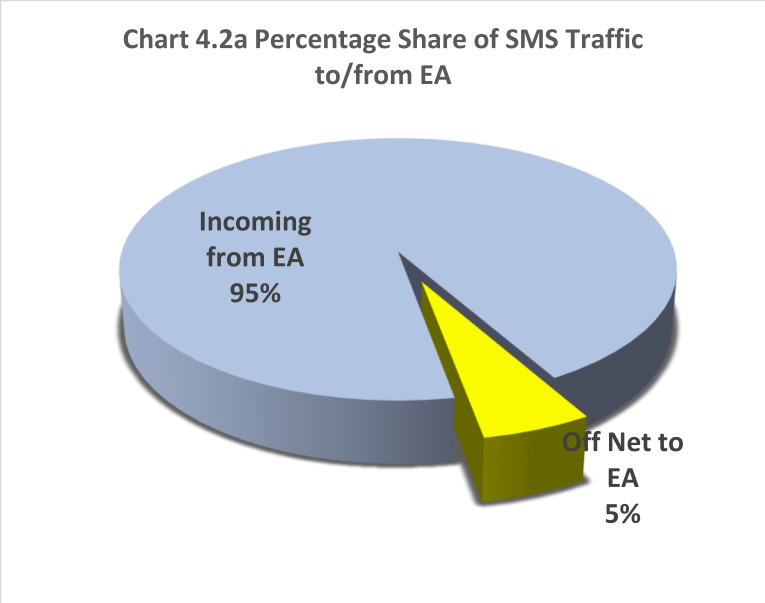
SMS	JULY	AUGUST	SEPTEMBER	TOTAL
On Net SMS	5,378,662,867	5,846,309,590	5,407,132,377	16,632,104,834
Off Net Local SMS	7,393,266,513	7,855,136,052	7,269,018,073	22,517,420,638



4.2 International SMS Traffic

SMS	JULY	AUGUST	SEPTEMBER	TOTAL
Off Net to EA	195,590	172,697	134,668	502,955
Off Net to other Int	380,071	315,638	240,386	936,095
Incoming from EA	2,742,583	3,142,221	2,776,550	8,661,354
Incoming from other Int	320,260,698	391,811,354	339,256,651	1,051,328,703

The analysis shows that there are more SMS received from EAC than SMS sent to EAC. Furthermore, the analysis shows that there are more SMS received from other international than SMS sent to international.



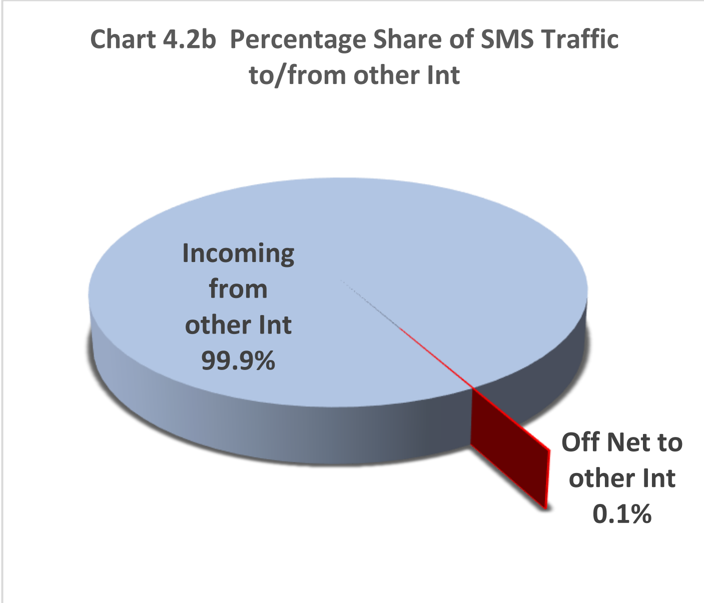
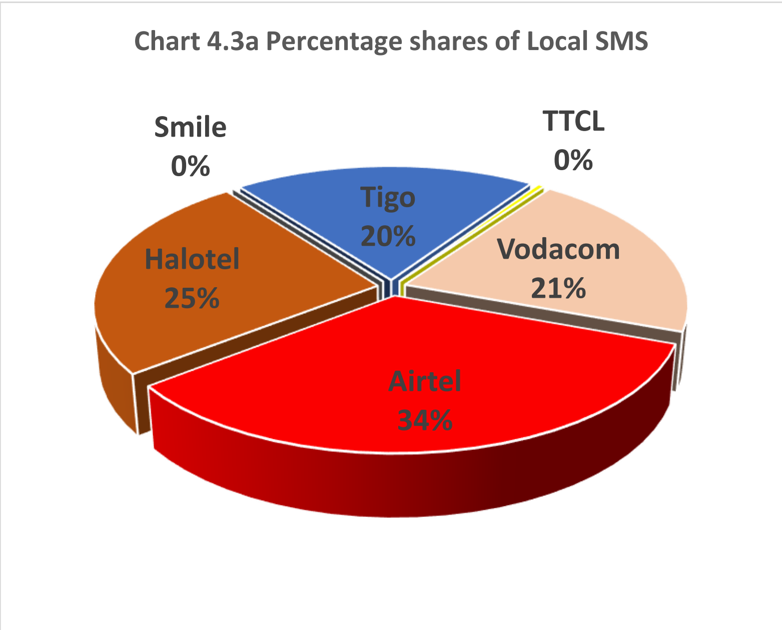
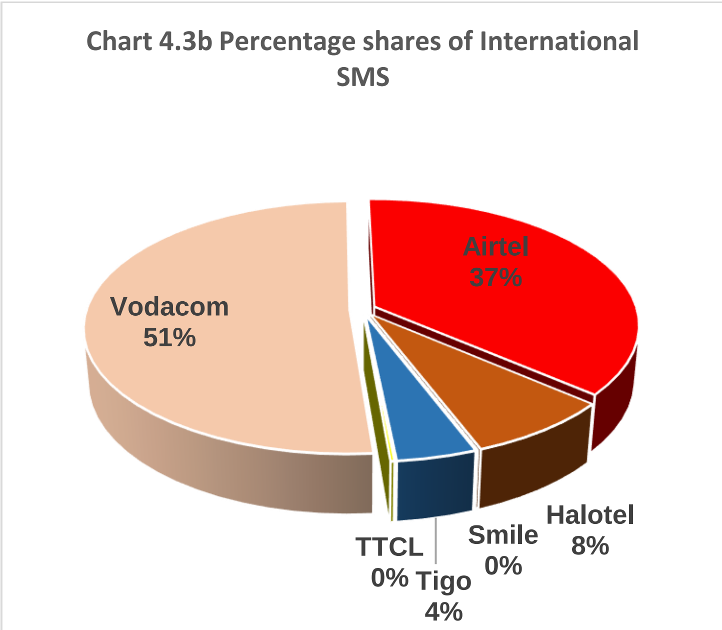


Chart 4.2a and b shows that more SMS are received from EAC and other International than SMS sent to EAC and other international.

4.3 Percentage Shares of SMS Per Operators as of September 2022





Further analysis presented on chart 4.3a and b shows that, Airtel has 34% market share of local market and Vodacom has 51% market share of international market on SMS.

4.4 Average number of SMS sent per Subscriptions

SMS	JULY	AUGUST	SEPTEMBER	TOTAL
On Net SMS	95	102	93	289
Off Net Local SMS	130	136	125	392
Off Net to EA	0	0	0	0
Off Net to other Int	0	0	0	0
TOTAL	**225**	**238**	**218**	**681**

The analysis shows that subscribers sent more off net SMS than on net SMS and for quarter ending September, a subscriber sent 289 on net SMS ,392 off net SMS and therefore sent a total of 681 SMS for quarter ending September compared to 664 SMS for quarter ending June 2022.

4.5 Trend of Local SMS Traffic in the past five years

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

The trend shows that on net SMS traffic has an average growth of 3% over the past five years while off net SMS traffic has an average growth rate of 32% over the past five years.

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

The analysis shows that SMS traffic to EA has been decreasing at the rate of 27% over the past 5 years while SMS traffic from EA has been increasing at the rate of 33% over the past 5 years.

Further analysis shows that SMS traffic to other international has been decreasing at the rate of 49% over the last 5 years while SMS traffic from other international has been increasing at the rate of 10% over the past 5 years.

B. MOBILE MONEY SERVICES STATISTICS

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

1.0 Mobile Money Subscriptions

39.59 Mil

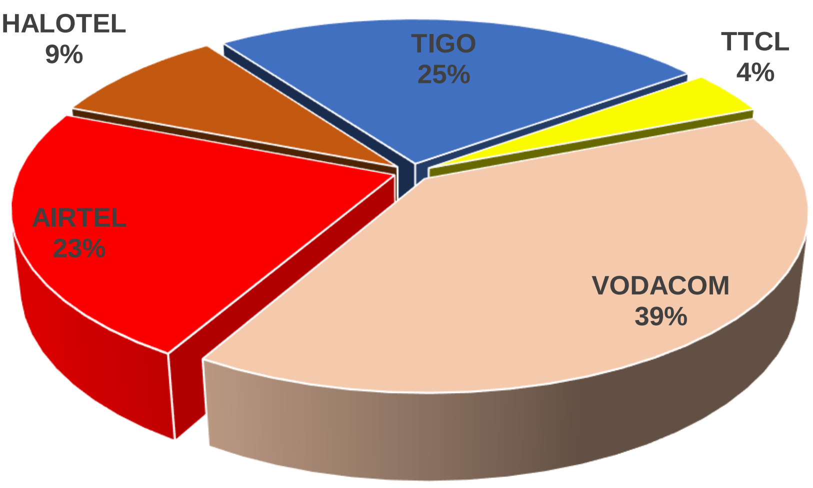
It is a count of all active SIM Cards with mobile money service accounts which have registered an activity/ have been used at least once in the past three months. The subscription has increased from 37.4 million accounts to 39.6 million accounts

Table 1.0. Mobile Money Service subscriptions (Number of Accounts)

OPERATOR	JULY	AUGUST	SEPTEMBER
AIRTEL	8,445,681	8,740,562	8,955,102
HALOTEL	3,527,393	3,530,029	3,579,771
TIGO	9,781,095	9,853,401	9,916,612
TTCL	1,552,114	1,575,382	1,584,490
VODACOM	14,702,199	14,805,597	15,554,527
TOTAL	**38,008,482**	**38,504,971**	**39,590,502**

The analysis shows that, Vodacom has larger market share of 39% of mobile money accounts in the market and the last one is TTCL with market share of 4%.

Chart 1.0 Market Shares on Subscriptions



2.0 Total Number and Value of Transactions

Table 2. Total Number and Value of Transactions

Total	JULY	AUGUST	SEPTEMBER
No. of Transactions	349,952,830	356,790,863	366,178,409
Value of Transactions	12,548,569,958,747	12,741,158,372,863	12,722,059,888,707

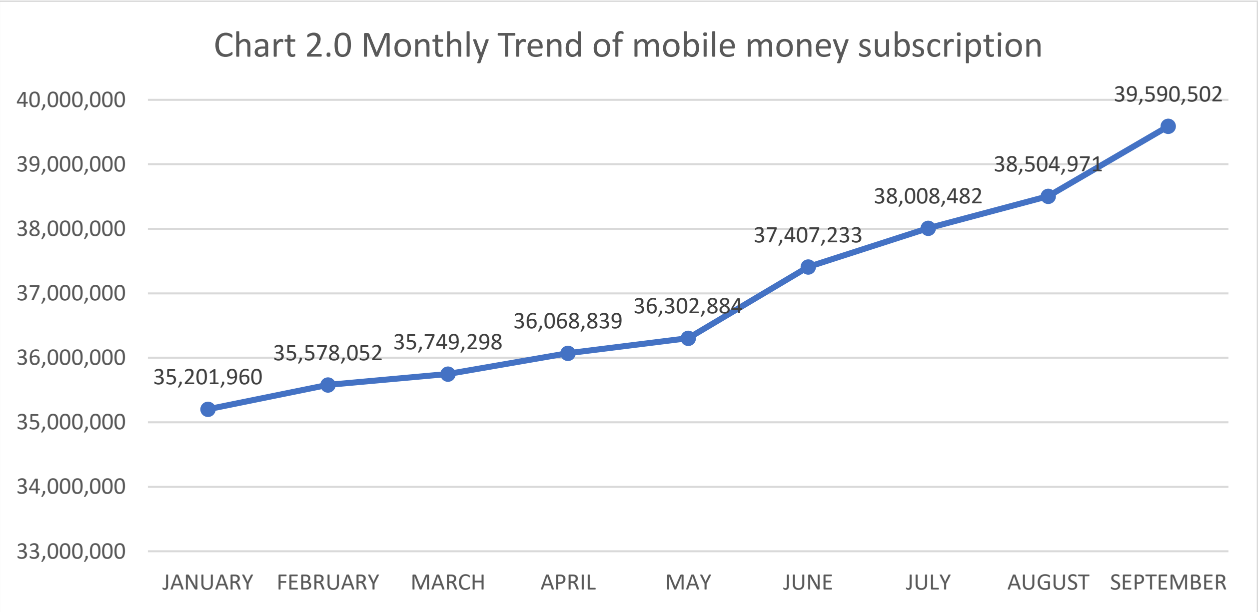
Analysis from table 2 shows that number of transactions have been increasing over time and hence led to increased value of transactions.

3.0 Monthly Trend of Mobile Money Transactions

Table 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
JULY	2022	38,008,482	349,952,830	12,548,569,958,747
AUGUST	2022	38,504,971	356,790,863	12,741,158,372,863
SEPTEMBER	2022	39,590,502	366,178,409	12,722,059,888,707

From table 3, number of mobile money accounts for the past 9 months has been growing at the rate of 1.5% while number of transactions has been growing at the rate of 2% and value of transactions has also been growing at the rate of 3% over 9 months' period.



4.0 Monthly Average Number and Value of Transactions per User

Table 4.0. Monthly average number and value of transactions per user

	JULY	AUGUST	SEPTEMBER	TOTAL
No. of Trans per User	9	9	9	28
Value of Trans. Per User	330,152	330,896	321,341	982,389

Table 4 shows that each user had 28 transactions from July to September with the total value of TZS 982,389.

5.0 Trend of Mobile Money Transactions in the past three years

Table 5.0. Trend of Mobile Money Transactions in the past three years

Year	2019	2020	2021
Number 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
Number 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

Table 5 shows that the number of transactions have been increasing for the past three years from 3.0 billion in 2019 to 3.7 billion in 2021 with their corresponding value of transactions.

Number of subscribers have also been increasing at the average rate of 17% per year while annual average transactions per user has an average decrease of 1% per year as presented in table 5.

C. INTERNET SERVICES STATISTICS

Statistics presented in this section are on internet subscriptions and usage. Subscriptions are presented based on number of lines subscribing internet services and usage is in terms of data traffic.

1.0 Internet subscription

The subscriptions are either through cable modem, DSL, fibre-to-the-home/building, other fixed (wired) broad band subscriptions, satellite broadband, terrestrial fixed wireless

31.1 Mil

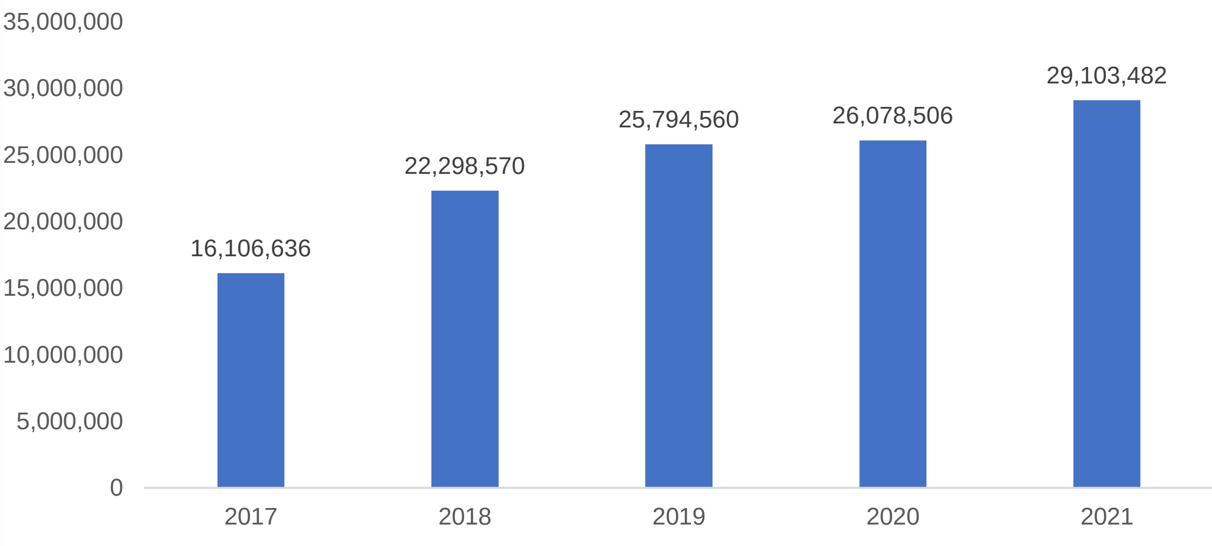
Table 1.0. Quarterly Internet Subscriptions

	MARCH	JUNE	SEPTEMBER
Mobile Wireless Subs	28,614,808	29,126,360	31,056,817
Fixed Wireless Subs	4,885	6,043	4,978
Fixed Wired Subs	30,588	37,555	60,368
TOTAL	**28,650,281**	**29,169,958**	**31,122,163**

2.0 Trend of Subscriptions for the past five Years

Number of subscriptions for the past five years is as shown in chart 2.0

Chart 1.0 Trend of Internet Subscriptions for the past Five years



The annual internet subscription presented in chart 2 shows and average growth rate of 17% per year. In 2017 there were 16,106,636 subscribers and increased to 29,103,482 subscribers at the end of 2021.

3.0 Internet Usage Per Quarter

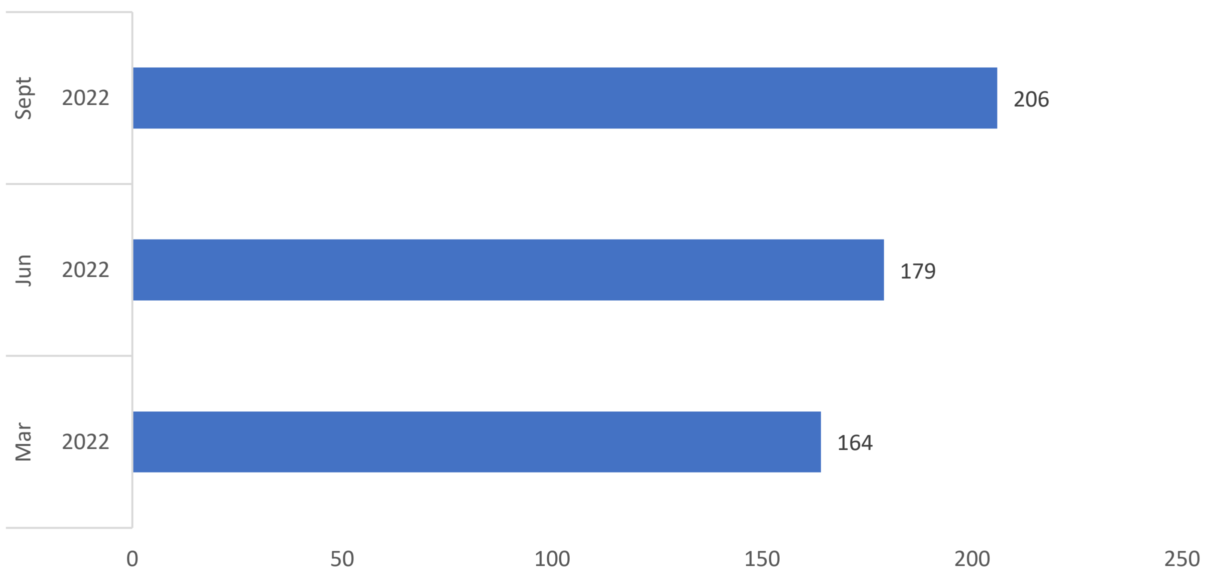
Internet usage is counted as amount of data traffic (in Petabytes) used in a given time period. (Note that, 1Petabyte =1024^3 Megabytes)

Table 2: Data Traffic in Petabytes and MB

Quarter Ending	Mar 2022	Jun 2022	Sept 2022
Data Traffic (Petabytes)	164	179	206
MBs/Subs/Quarter	**6,037**	**5,616**	**6,626**

Data traffic in petabytes presented in table 2 shows an average growth rate of 12% on usage per quarter from March to September 2022. Further analysis on annual data traffic is presented in chart 2.

Chart 2.0 Amount of Data Traffic (in Petabytes) used in the last three Quarters



For international links, the outgoing capacity and incoming capacity supports internet usage locally and internationally. The following is the analysis of the available outgoing and incoming capacity

Table 3: International internet capacity

	Outgoing capacity (Gbps)	Incoming capacity (Gbps)
Total/Owned	610	610
Activated	327	327
Available for New Activation	283	283

The analysis shows that, the country has enough available capacity for new activations.

Further analysis shows that, investment in the telecommunication infrastructure has led to rollout of mobile broadband network covering land and accessed by people as presented in table 4.

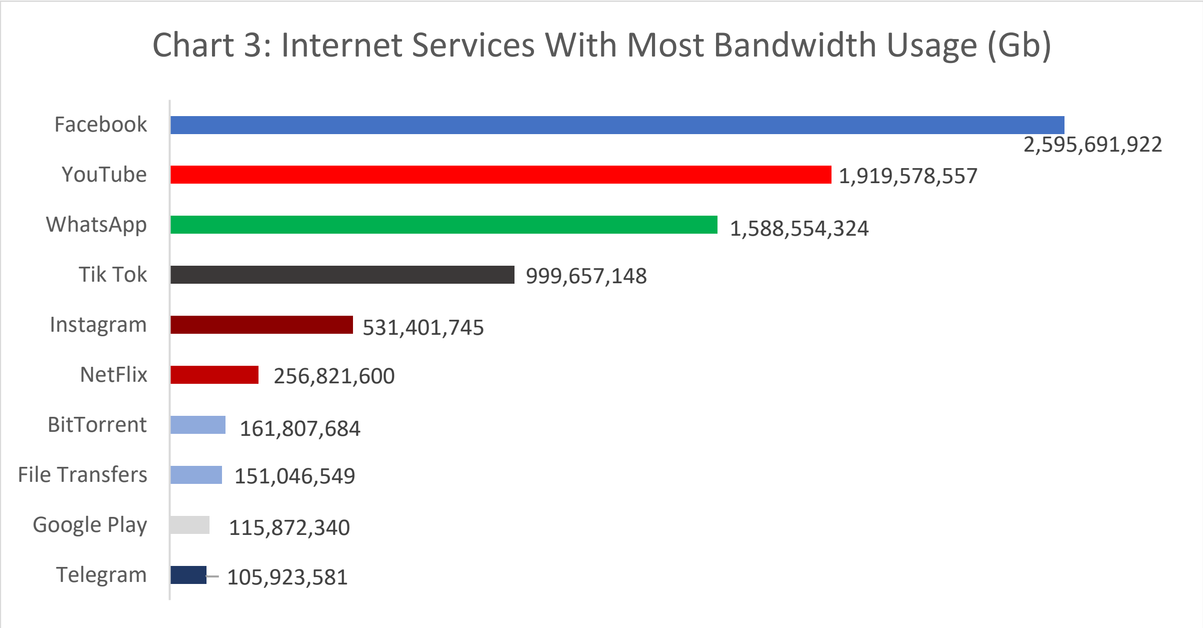
Table 4: Network Coverage and Quality of Internet Speed for Mobile and Fixed

S/N	Indicator	Category	September 2022	
1.	Percentage of the population covered by a mobile broadband network signal (3G, 4G or higher)	3G	72%	
		4G	55%	
2.	Percentage of Geographical coverage by mobile network signal (3G, 4G or higher)	3G	55%	
		4G	36%	
3.	Network Quality Indicator: Average download and upload speeds (in Mbit/s)		Upload speed	Download speed
		Mobile broadband	5.1 Mbps	8.1 Mbps
		Fixed broadband speed	6.1 MBps	8.6 Mbps

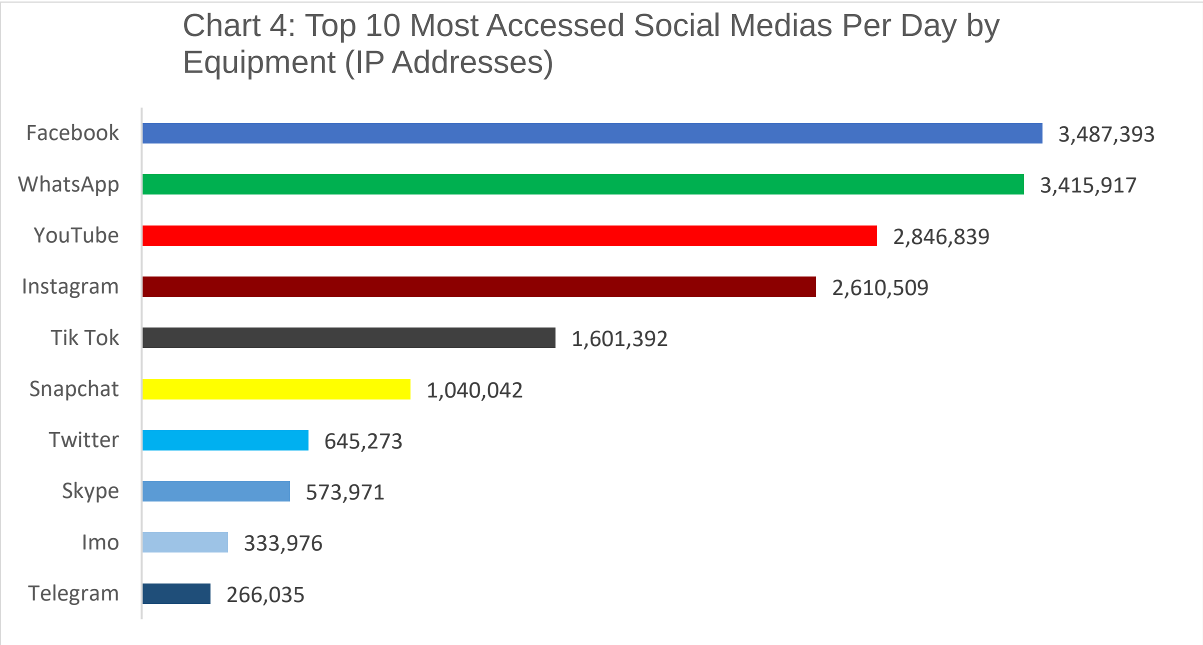
Based on the available outgoing and incoming internet capacity links, rollout of mobile broadband networks and improved internet quality, subscriptions to social media has been possible as presented in chart 3.

4.0 TOP 10 INTERNET SERVICES WITH MOST BANDWIDTH USAGE (IN GB)

The service that used more bandwidth (in GBs) for the July –September 2022 was Facebook with total of 2,595,691,922 GBs. The second is YouTube with total of 1,919,578,557 GBs.Video streaming services are leading in bandwidth usage compared to other services.



Analysis on daily usage shows that Facebook has more subscribers and ranked first, followed by WhatsApp. The last ranked in the list is the Telegram followed by IMO.



D. BROADCASTING SERVICES STATISTICS

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

1.0 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.

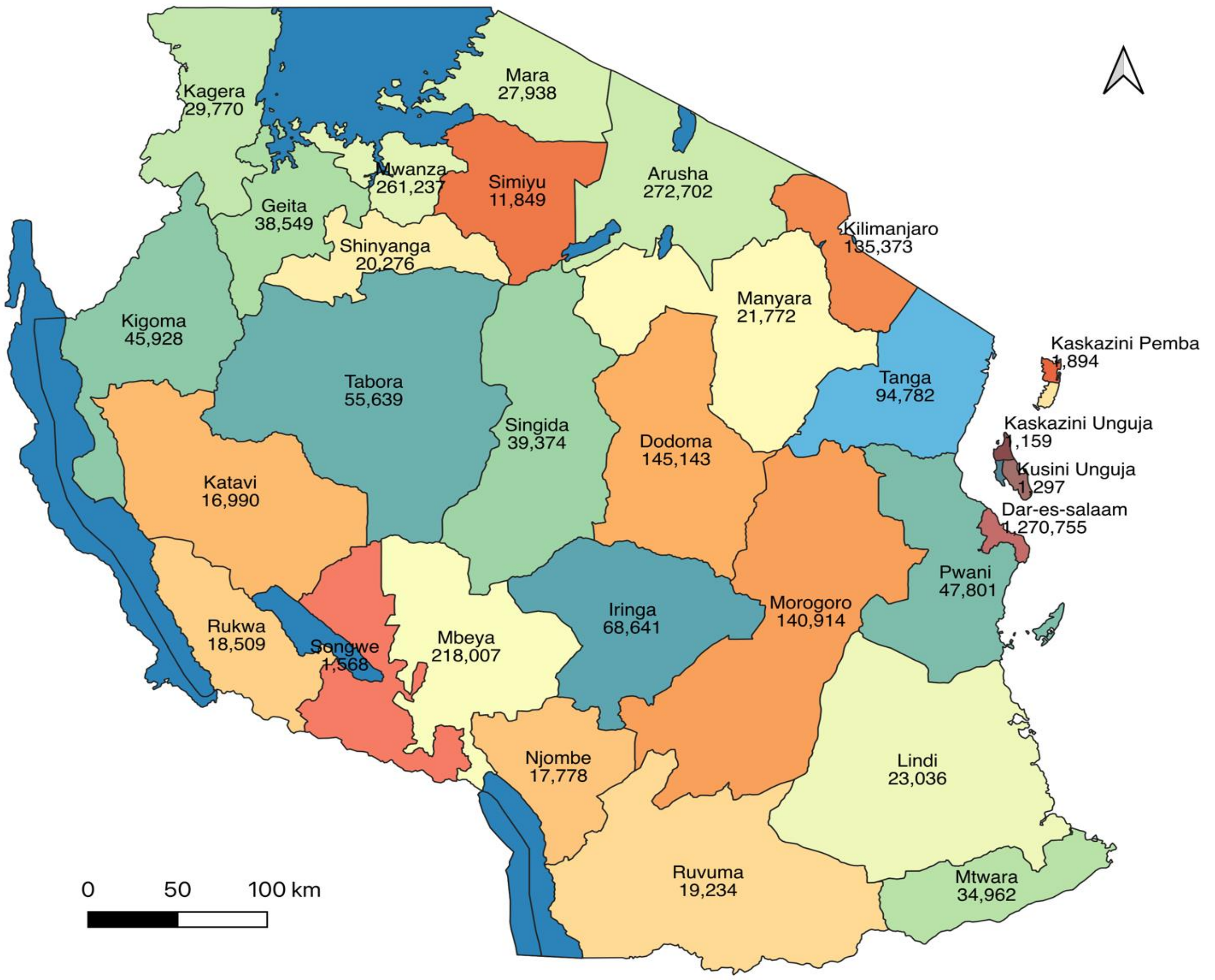
Table 1.0. Number of Active Decoders per Operators as of September 2022

Operator	DTT	DTH	TOTAL
Agape	2,023	1,978	4,001
Azam	100,389	787,570	887,959
Contineta l	40,411	26,540	66,951
DiGiTek	17,392	0	17,392
DSTv	0	230,943	230,943
Star Times	1,496,245	591,914	2,088,159
Zuku	0	31,440	31,440
TOTAL	**1,656,460**	**1,670,385**	**3,326,845**

Table 10 shows that on DTT subscriptions, Star Times is leading by having many subscribers than other operators and followed by AZAM. On DTH platform, Star times is also leading by having more subscribers followed by AZAM.

Based on regional wise distribution presented in Map 2, Dar es Salaam is ranked first, Mwanza ranked second and Mbeya ranked third and other regions are as presented in map 2. The region with smaller number of active decoders is Songwe followed by Katavi.

Map 2: Distributions of Active Decoders in Tanzania as of September 2022



2.0 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 2.0. Number of active Decoders in the last three Quarters

Year	Quarter ending	Active Deceoders
2022	March	3,238,883
2022	June	3,169,231
2022	September	3,326,845

Table 2 shows that the number of active decoders have been varying from time to time depending on whether the decoder is active or not active. The reported ones are those which are only active. Means that they are in use in a given particular quarter.

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

Table 3.0 Active decoders in the last three years and number of persons per one decoder

Year	2019	2020	2021	Sept 2022
Active Decoders	2,525,289	2,814,003	3,190,346	3,326,845
One Decoder/Persons	22	20	19	18

4.0 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 fiber-optic cables.

Map 3: Cable TV Subscribers in Tanzania as of September 2022

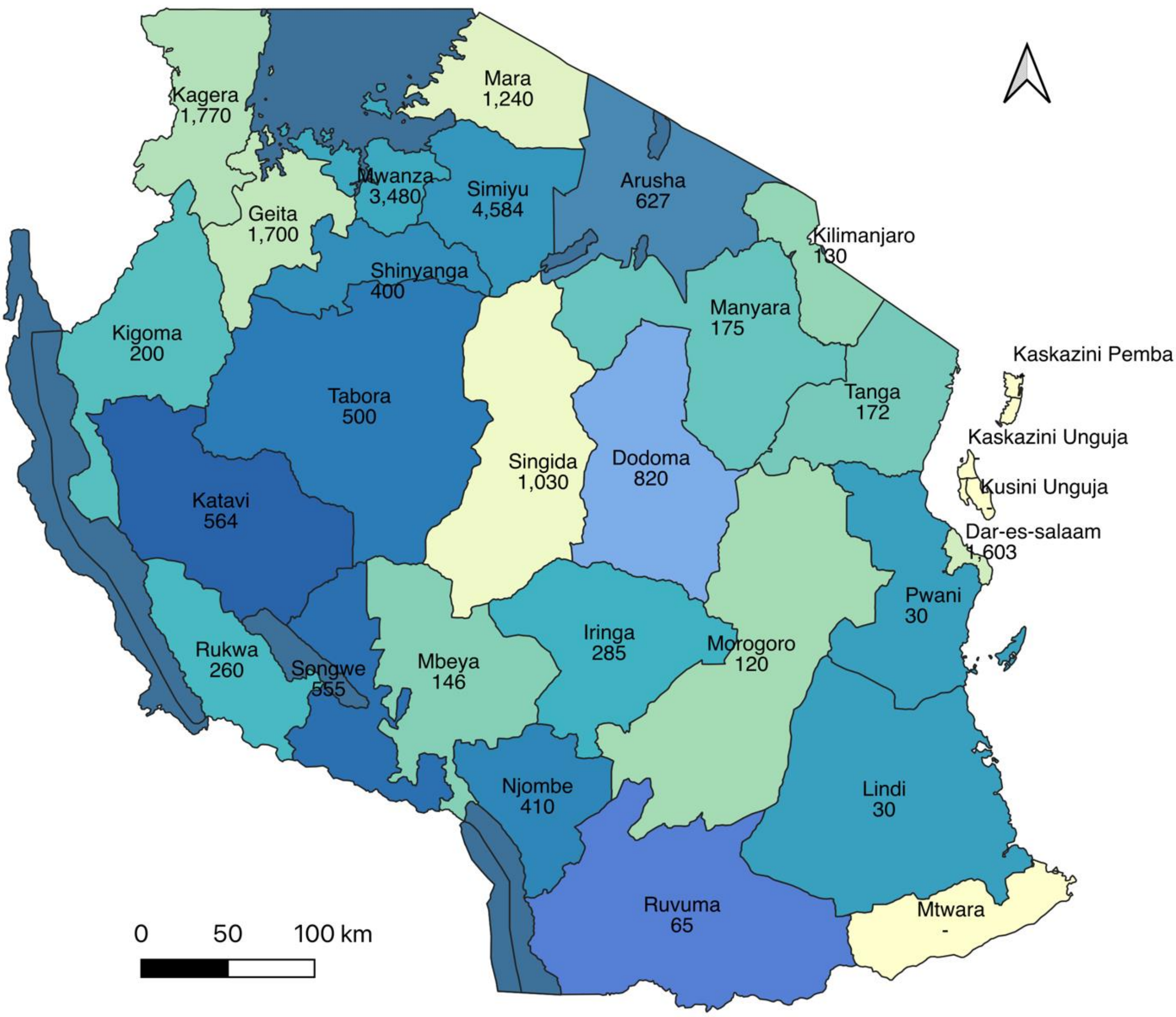


Table 4.0. Number of Cable Subscription for the past Five Years

YEAR	2018	2019	2020	2021	SEPT-22
SUBSCRIPTIONS	16,786	15,245	14,350	42,822	41,092

Cable TV subscription has been increasing over time as seen from table 4. The distribution of cable TV subscribers is mainly around the lake zone lead by Simiyu region with total of 4,584 subscribers followed by Mwanza with total of 3,480 subscribers.

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.

1.0 Posted Items

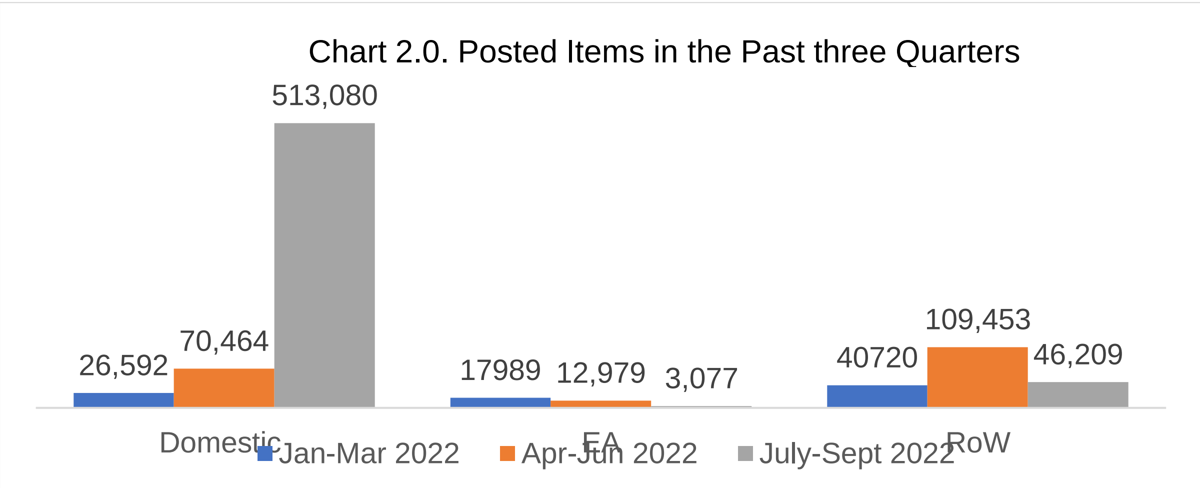
These are items such as mails, parcels and documents posted within the country (local), to East African Countries (EAC) and to the Rest of the World (RoW).

Table 1.0. Posted Items in the Quarter July-Sept 2022

Posted to	Mails	Parcels	Documents	TOTAL
Local	240,759	9645	262,676	513,080
EAC	1,983	181	913	3,077
RoW	43,484	177	2,548	46,209

The analysis presented in table 1 shows that more items are posted to local market, followed by the rest of the world and lastly by EAC.

2.0 Posted Items in the past three quarters



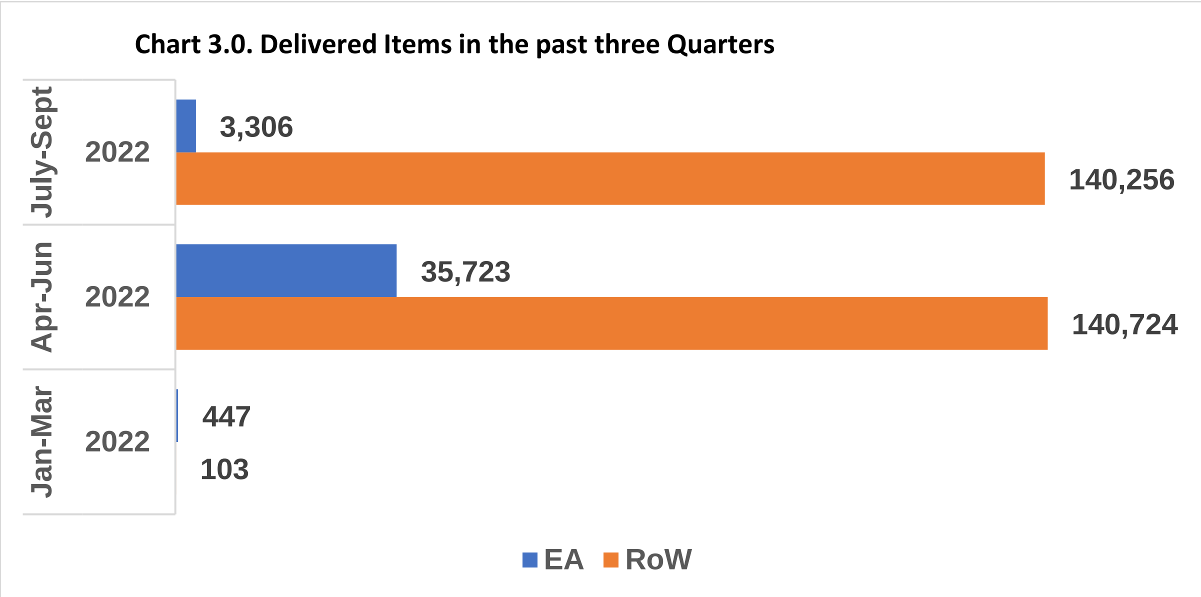
3.0 Delivered Items

Delivered items are from EAC and the rest of the world. The analysis shows from domestic to rest of the world we posted a total of 46,209 items but from international was a total of 140,256 were delivered to our domestic market. The analysis shows that more items are delivered than posted.

Table 3.0. Delivered Items from EA and RoW for July-Sept 2022

	Mails	Parcels	Packets
EA	1,950	377	377
RoW	106,777	11,894	21,585

4.0 Delivered Items in past three Quarters



5.0 Annual Posted Items for the past five years

Table 4.0. 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**

The analysis on table 4 shows that more items are posted to domestic destination than to international destination. However, the posted traffic has been decreasing over time as presented in table 4.

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

Table 5.0. Annual International posted and Delivered Items for 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

Table 5 shows the trend of posted and delivered items to and from international destinations. Posted items to international destination has been decreasing from 10,121,388 items in 2017 to 564,528 items in 2021. On the other side, delivered items have mixed trend in which in 2017 to 2018 there were growing trend but from 2019 it has been experiencing a decreasing trend from 3,927,692 to 058,121 in 2021. The trend indicates at any point more items have been posted to international than delivered from international.

Contact Us

Mamlaka ya Mawasiliano Tanzania
Mawasiliano Towers, Na. 20 Barabara ya Sam Nujoma,
S. L. P 474, Dar Es Salaam
+255 22 2199760 - 9 / +255 22 2412011 - 2 / +255 784558270 - 1
dg@tcra.go.tz | barua@tcra.go.tz