Tanzania Communications Regulatory Authority

Communication Statistics

Quarter ending December 2023

www.tcra.go.tz

ISO 9001: 2015 CERTIFIED

About this report

This report presents communication statistics for the second quarter of the financial year 2023/2024. The report provides statistics on telecommunication, mobile money, internet, broadcasting, postal and courier and other ICT-related services for the quarter.

The statistics have been prepared in line with the statistical standards and International Telecommunications Union (ITU) standards for collecting administrative/supply-side data on telecommunications/ICT services.

Table of Contents

About the Report i

TABLE OF CONTENTS ii

1 TELECOMMUNICATION SERVICES STATISTICS 1

1.1 Telecom Subscriptions 1

1.2 Telecom Tariffs 5

1.3 Telecom Traffic Minutes 9

1.4 Telecom SMS Traffic 13

1.5 User Devices 17

2 MOBILE MONEY SERVICES STATISTICS 18

2.1 Mobile Money Subscriptions 18

2.2 Total Number of Subscriptions and Transactions 19

2.3 Trend of Mobile Money Transactions in the past five years 19

3 INTERNET SERVICES STATISTICS 20

3.1 Internet Subscription 20

3.2 Internet Usage Per Month 21

3.3 International Link Capacity 21

3.4 Roll out of Mobile Broadband Network and Quality of Internet Speed 22

4 BROADCASTING SERVICES STATISTICS 23

4.1 Active Decoders 23

4.2 Active decoders in the past four years 25

4.3 Cable TV Subscriptions 26

4.4 Trend of Cable TV Subscriptions in the past five years 27

5 POSTAL AND COURIER SERVICES STATISTICS 28

5.1 Posted Items 28

5.2 Delivered Items 29

5.3 Annual Posted Items for the past five years 30

5.4 Annual International Posted and Delivered Items for the past five years 30

6 QUALITY OF SERVICES & FRAUDS PRACTICES STATISTICS 31

6.1 Quality of Services 31

6.2 Fraudulent Attempts 39

7 COUNTRY CODE TOP LEVEL DOMAINS 41

8 STATISTICS ON NUMBER OF LICENCES AND CERTIFICATES 42

9 CONCLUSION 44

1. Telecommunication Services Statistics

Telecom services statistics for subscriptions, tariffs, traffic minutes and SMS are highlighted. The highlights are provided on a monthly, quarterly and annual basis.

1.1. Telecom Subscriptions

A count of all active subscriptions that have registered activity or have been used at least once in the past three months describes the telecom subscription. The count for the past quarter (quarter ending September 2023) stood at 67.1 million subscriptions compared to 70.3 million subscriptions for the quarter ending December 2023. That is an increase of 4.7%, as summarized below.

September 2023
67.1 million

December 2023
70.3 million

4.7%

1.1.1 Number of Telecom Subscriptions

The number of subscriptions per operator in the quarter ending December 2023 is presented in Table 1.1.1. The number of subscriptions shows an average monthly increase of 1.8% between October and December 2023.

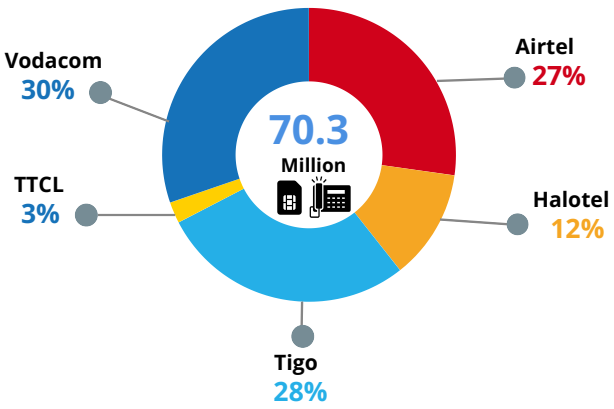
Table 1.1.1 Number of Telecom Subscriptions

	OCTOBER	NOVEMBER	DECEMBER
AIRTEL	18,636,019	18,932,628	19,146,016
HALOTEL	8,123,970	8,192,481	8,529,919
TIGO	18,526,497	18,923,699	19,698,263
TTCL	1,621,247	1,634,231	1,644,194
VODACOM	20,917,366	21,127,719	21,272,484
TOTAL	**67,825,099**	**68,810,758**	**70,290,876**

1.1.2 Operators' subscriptions market shares

Chart 1.1.2 shows the telecom market shares by subscriptions per operator. It is shown that there is no operator with a market share greater than 35%, which is a minimum significant level for a dominant operator. This observation signifies no dominant operator, indicating healthy competition among the operators.

Chart 1.1.2. Operators' subscriptions market shares as of December 2023



From Chart 1.1.2, Vodacom has nearly one-third of all telecom subscriptions in the country, followed closely by Tigo with 28% and Airtel with 27%. Market shares for other operators are shown in Chart 1.1.2.

1.1.3 Subscriptions to mobile and fixed networks

Table 1.1.3 presents the number of subscriptions for mobile and fixed networks have for October, November, and December 2023. The table shows that the fixed networks have insignificant shares (average of 0.11% of telecom subscriptions in the country).

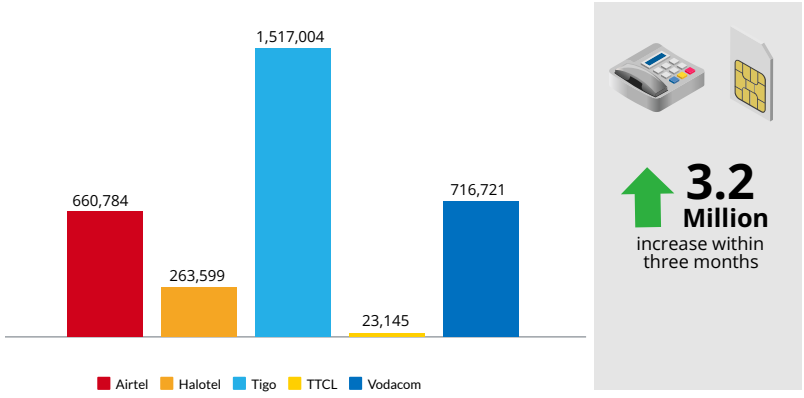
Table 1.1.3 Subscriptions to mobile and fixed networks

	OCTOBER	NOVEMBER	DECEMBER
Mobile subs	67,752,886	68,734,375	70,215,144
Fixed subs	72,213	76,383	75,732
TOTAL	**67,825,099**	**68,810,758**	**70,290,876**
% of Fixed Subs	0.11%	0.11%	0.11%

1.1.4 Change in subscriptions per operator

There was an increase in subscriptions in the quarter ending December of around 3.2 million compared to 3.1 million recorded in the quarter ending September 2023. Chart 1.1.4 indicates the change in subscriptions as of December 2023.

Chart 1.1.4 Change in subcriptions from September to December 2023

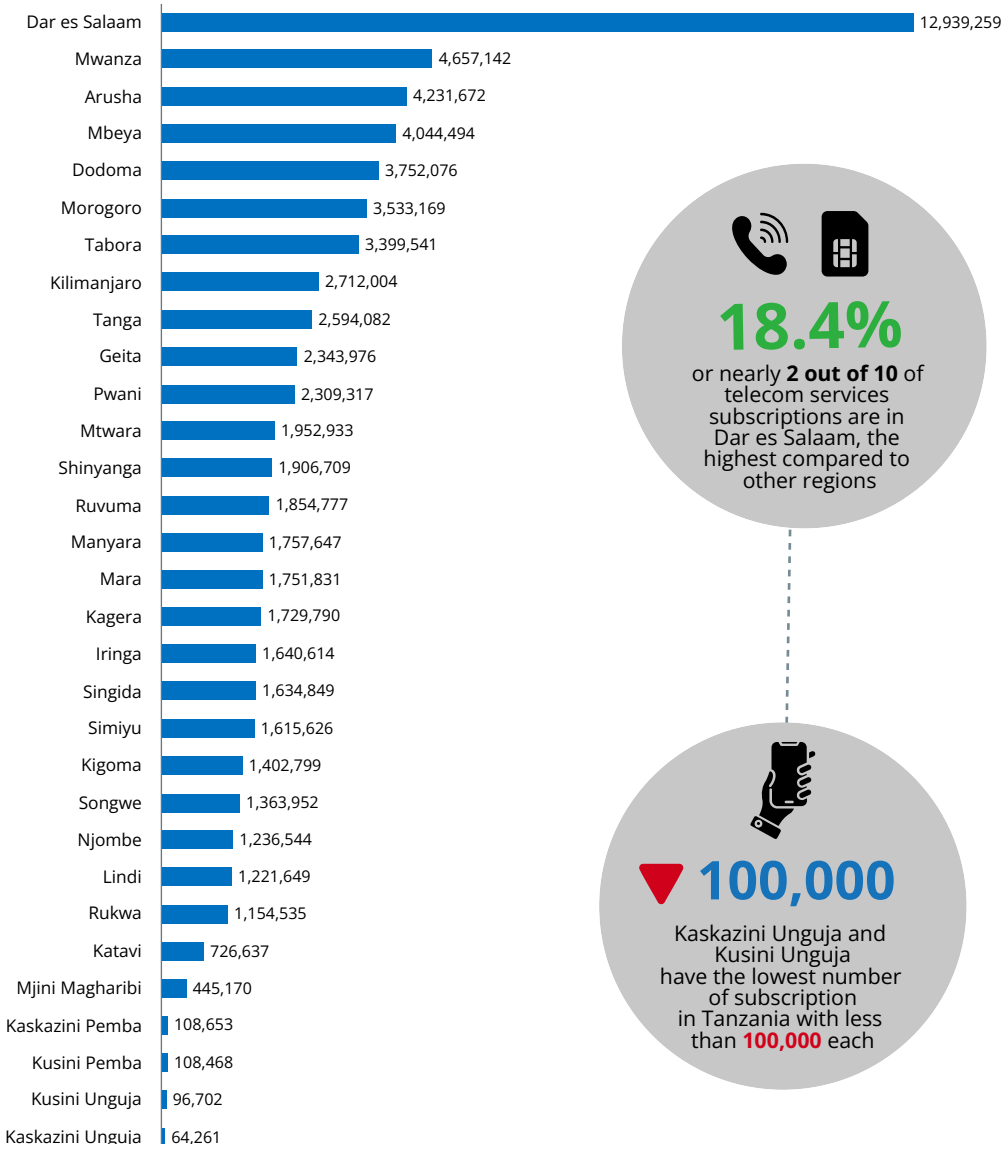


1.1.5 Telecom services subscriptions and penetration by region

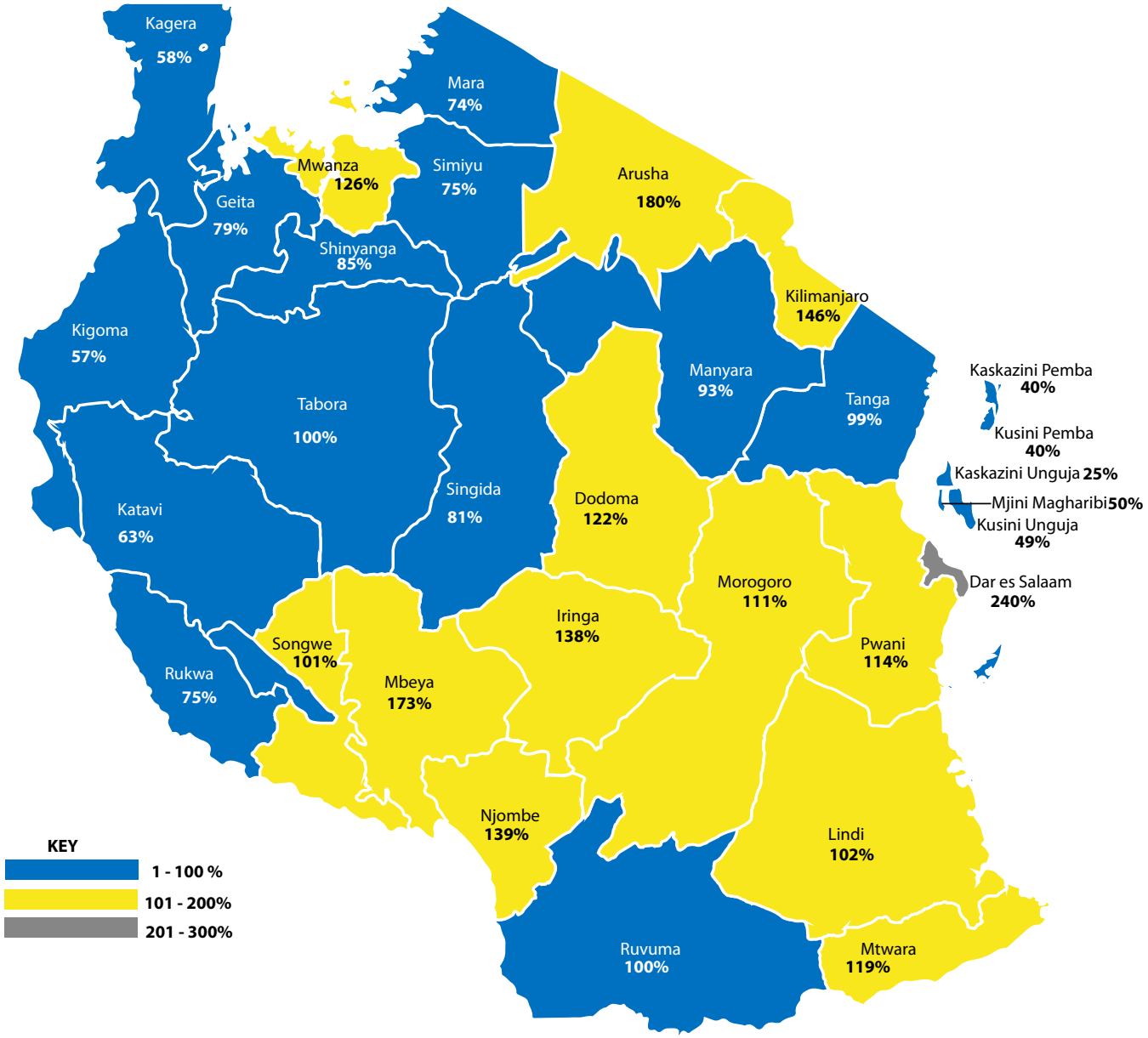
The distribution of subscriptions per region is depicted in Chart 1.1.5. Dar es Salaam ranks first by having 18.4% of all active subscriptions (12.9 million subscriptions), Mwanza ranks second with 6.6% (4.7 million subscriptions), Arusha ranks third with 6.0% (4.2 million subscriptions, Mbeya ranks fourth with 5.8% (4 million subscriptions) and Dodoma ranks fifth in the top-ranking regions by having 5.3% of all active subscriptions (3.8 million subscriptions).

Regions with the lowest contribution of subscriptions to the country's total subscriptions are North Unguja (0.09%, 64,261 SIM cards), South Unguja (0.14%, 96,702 SIM cards), and South Pemba (0.15%, 108,468 SIM cards).

Chart 1.1.5 Telecom services subscriptions by region



Map 1.1.5 Telecom penetration per region as of December 2023.



Telecom (voice) penetration per region is shown in Map 1.1.4, describing the number of subscriptions per population in each region. The distribution indicates that Dar es Salaam has the highest telecom penetration compared to all other regions (240%), followed by Arusha with 180% and Mbeya with 173%.

Regions with the lowest penetration in Tanzania Mainland are Kigoma (57%), Katavi (63%) and Mara (74%). The overall penetration is 111%, meaning that there are 111 subscriptions per 100 population (people) in Tanzania by December 2023.

1.1.6 Trend of telecom subscriptions for the past five years

The trend of telecom subscriptions for the past five years shows an average increase of 10% per annum, as shown in Table 1.1.6. The penetration as of December 2023 has reached 111%.

Table 1.1.6 Trend of telecom subscriptions for the past five years

	2019	2020	2021	2022	2023
Mobile Subscriptions	47,685,232	51,220,233	54,044,384	60,192,331	70,215,144
Fixed Subscriptions	76,288	72,469	71,834	84,696	75,132
Total Subscriptions	**47,763,539**	**51,294,722**	**54,118,239**	**60,279,049**	**70,292,899**
PENETRATION	**78%**	**81%**	**88%**	**98%**	**111%**

1.2 Telecom tariffs

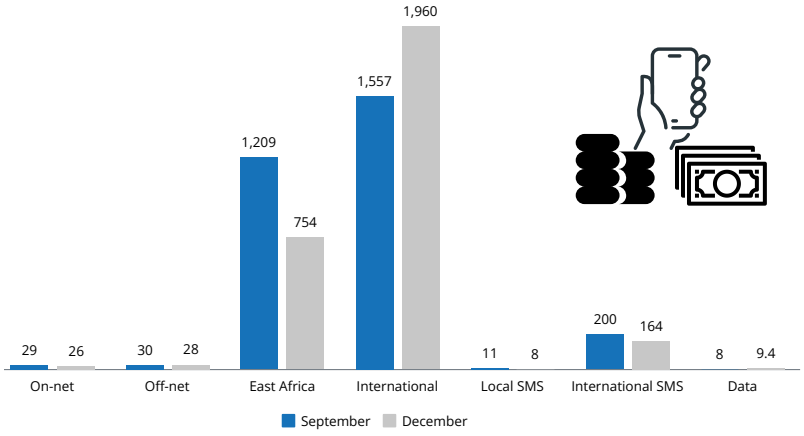
This section presents telecom services tariffs (Tax inclusive) for voice, SMS and data outside and within a bundle as of December 2023. Tariffs outside the bundle are also called Pay As You Go (PAYG) or standard tariffs.

1.2.1 Voice tariffs (in TZS)

The voice tariffs for the quarter ending December 2023 for local and international services are shown in Table 1.2.1a and 1.2.1b, respectively. These are one-minute voice tariff when a consumer makes local or international call without subscribing to a bundle.

The tariffs that were applicable in the quarter ending September and December 2023 are shown in Chart 1.2.1. There was a decrease in tariffs on on-net, off-net, EA, local SMS and International SMS of 10%, 7%, 38%, 27% and 18%, respectively. There was also an increase in data tariffs by 18% and international voice tariffs by 26%.

Chart 1.2.1 Basic Tariffs for quarter ending September and December 2023



The tariffs for individual operators for the quarter ending December 2023 are shown in Chart 1.2.1a (Local voice tariffs) and Chart 1.2.1b (International voice tariffs).

Table 1.2.1a Local voice tariffs

Operator	On-Net Voice	Off-Net Voice
AIRTEL	30	30
HALOTEL	10	20
TIGO	30	30
VODACOM	30	30
TTCL	30	30
Industry Average	**26**	**28**

Table 1.2.1b International voice tariffs

Operator	EA Voice	International
AIRTEL	750	1,520
HALOTEL	875	1,565
TIGO	1,020	1,887
VODACOM	829	1,959
TTCL	296	2,871
Industry Average	**754**	**1,960**

Table 1.2.1a shows no difference in charges when calling within and outside the network. All operators charge one minute at 30 TZS, except Halotel, who charges at 10 TZS (on-net) and 20 TZS (off-net).

The industry average for local voice tariff was 26 TZS for on-net and 28 TZS for off-net. These charges have decreased compared to the quarter ending September 2023, as there were 29 TZS for on-net and 30 TZS for off-net.

Table 1.2.1b shows that international call tariffs differ across networks, unlike local tariffs. The industry average rate of one minute for making calls to East Africa and other international are TZS 754 and 1,960, respectively.

1.2.2 SMS and data tariffs

The local and international PAYG tariffs (Tax inclusive) for SMS and data, as of December 2023, are shown in Table 1.2.2a and 1.2.2b, respectively.

Table 1.2.2a Local voice tariffs

Operator	Local SMS	International SMS
AIRTEL	8	215
HALOTEL	5	95
TIGO	8	215
TTCL	10	138
VODACOM	8	159
Industry Average	**8**	**164**

Table 1.2.2b Data tariffs

Operator	Data (MBs)
AIRTEL	9
HALOTEL	9
TIGO	9
VODACOM	9
TTCL	9
Industry Average	**9**

The industry average tariff for the local SMS for December 2023 has decreased to TZS 8 per SMS, compared to September 2023, which was 11. The average tariff for international SMS decreased to 164 compared to TZS 200 in previous quarter.

Table 1.2.2b shows that the industry average data tariff for the quarter ending December 2023 was TZS 9, an increase from 8 per MB in September 2023.

1.2.3 Disaggregated bundle tariffs (in TZS)

The disaggregated bundle tariffs (per unit prices - Tax inclusive) of one voice minute, one SMS and one MB of data for consumers subscribed to bundled telecom services are shown in Table 1.2.3.

Chart 1.2.3. Bundle tariffs in Tanzania for September and December 2023

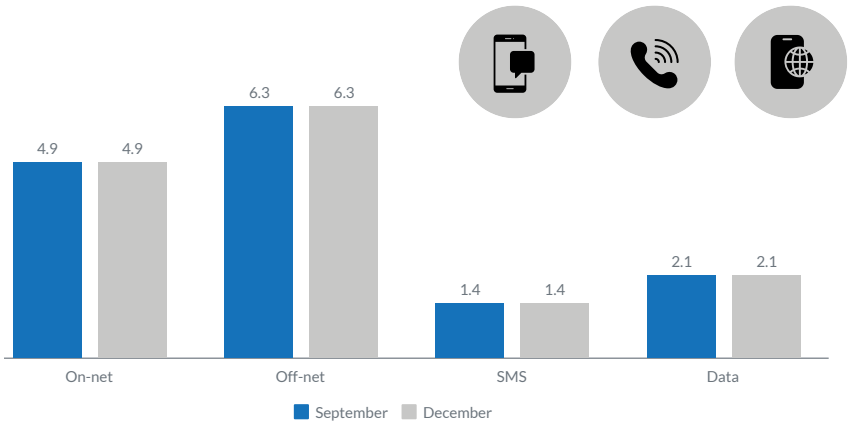


Table 1.2.3 Disaggregated bundle tariffs

Operator	On-net	Off-net	SMS	Data
Vodacom	6.50	6.90	1.40	2.20
Tigo	4.90	6.50	1.30	2.10
Airtel	3.54	5.96	1.07	2.04
Halotel	2.28	4.73	0.98	2.04
TTCL	7.23	7.23	2.18	2.19
Industry Average	**4.9**	**6.3**	**1.4**	**2.1**

Generally, the industry average tariffs for the disaggregated bundled services are lower than PAYG tariffs. The industry average in bundle tariff for voice on-net and offnet during the quarter ending December 2023 slightly increased to TZS 4.9 and 6.3 per minute from TZS 4.88 and 6.26 in the quarter ending September 2023. Unit bundle tariff for SMS and data remained unchanged at TZS 1.4 per SMS and 2.1 for data MB.

1.2.4 Industry average of tariffs in all destinations and services

The industry average tariffs for basic and bundled telecommunications services are shown in Table 1.2.4.

Table 1.2.4 Industry average for basic and bundle tariffs

Operator	Average Basic Tariffs	Average Bundle Tariffs
On-Net	26.0	4.9
Off-Net	28.0	6.3
SMS	7.8	1.4
Data	9.0	2.1

It is shown that average tariffs for all PAYG and bundled telecom services have changed except for bundle tariffs for SMS and data.

1.2.5 Trend of industry average basic tariffs

In the past five years, the trend of domestic and international industry average basic tariffs for voice calls is shown in Chart 1.2.5a and 1.2.5b, respectively.

Table 1.2.5a Trend of average domestic tariffs per minute in TZS for the past five years

	2019	2020	2021	2022	2023
On-net	149	57	34	32	30
Off-net	189	57	34	32	30

Table 1.2.5a shows that the trend of industry average tariffs for on-net and off-net calls dropped significantly between 2019 and December 2023, and they started converging in 2020. Convergence between on-net and off-net tariffs continued from 2020 to December 2023. The noted alignment between on-net and off-net tariffs is linked to a significant drop in the interconnection charges during the same period.

Table 1.2.5b Trend of average international tariffs per minute in TZS for the past five years

	2019	2020	2021	2022	2023
East Africa	1,357	1,379	1,564	1,817	1,776
International	770	830	966	1,103	1,171

While the trend for local tariffs shows a close convergence, the tariffs for East Africa and other countries, as shown in Table 1.2.5b, have different trends over time as they depend on rates imposed by international carriers.

Table 1.2.5c Annual trend of average local SMS and international tariffs for the past five years

	2019	2020	2021	2022	2023
Local SMS	36	20	13	11	11
International SMS	160	176	172	193	200

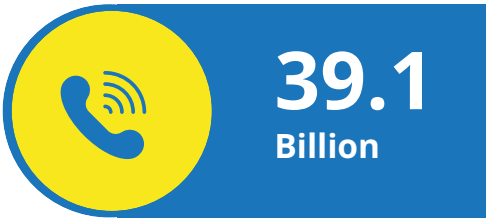
Table 1.2.5d Annual trend of average bundle tariffs for the past three years

	2020	2021	2022	2023
On-net	9.4	7.8	7.3	4.9
Off-net	11.2	8.7	7.8	6.3
SMS	3.5	3.3	2.7	2.1
Data	1.7	1.6	1.9	2.1

1.3 Telecom traffic minutes

1.3.1 Local traffic

The local on-net and off-net voice traffic for the quarter ending September and December 2023 are shown in the summary below and in Table 1.3.1.



Quarter ending September 2023



Quarter ending December 2023

Table 1.3.1 On-net and off-net traffic minutes

	OCTOBER	NOVEMBER	DECEMBER	TOTAL
On-net	7,248,125,785	6,804,602,070	6,851,352,653	**20,904,080,508**
Off-net	6,066,774,581	5,772,830,251	6,219,022,077	**18,058,626,909**
TOTAL	**13,314,900,366**	**12,577,432,321**	**13,070,374,730**	**38,962,707,417**

Table 1.3.1 shows that around 39 billion minutes were spent in the quarter ending December 2023 compared to 39.1 billion minutes in the quarter ending September 2023. However, the on-net traffic was significantly higher than off-net traffic throughout the quarter.

1.3.2 Percentage shares of traffic minutes

1.3.2.1 Local traffic

Chart 1.3.2.1 Percentage shares of traffic minutes as of December 2023

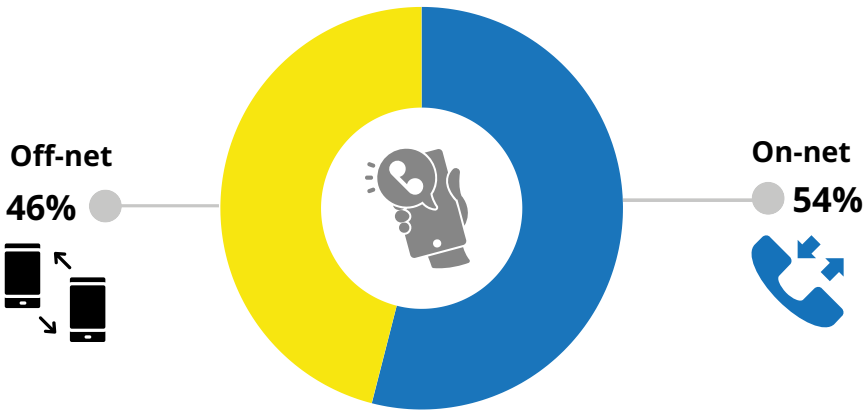


Chart 1.3.2.1 shows that more voice minutes were spent on on-net calls (54%) than off-net calls (46 %). Also, shares of traffic minutes per operator for on-net and off-net traffic calls shown in Chart 1.3.2.2a and Chart 1.3.2.2b indicate that more on-net and off-net traffic was generated in the Airtel network (39% and 30%, respectively).

Chart 1.3.2.2a On-net traffic shares by operator

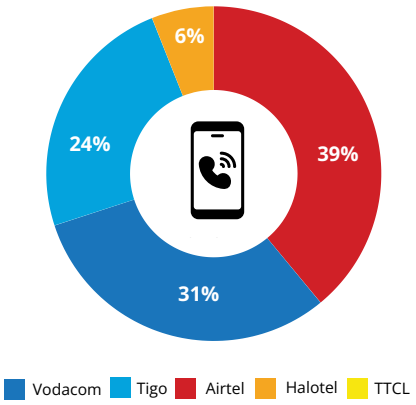
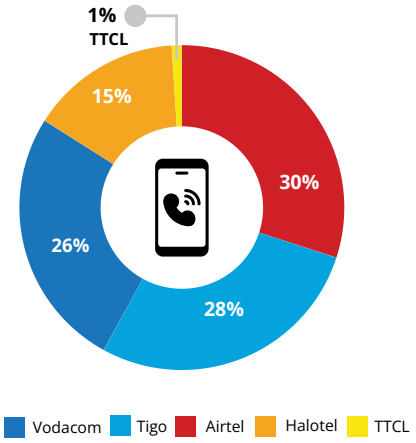
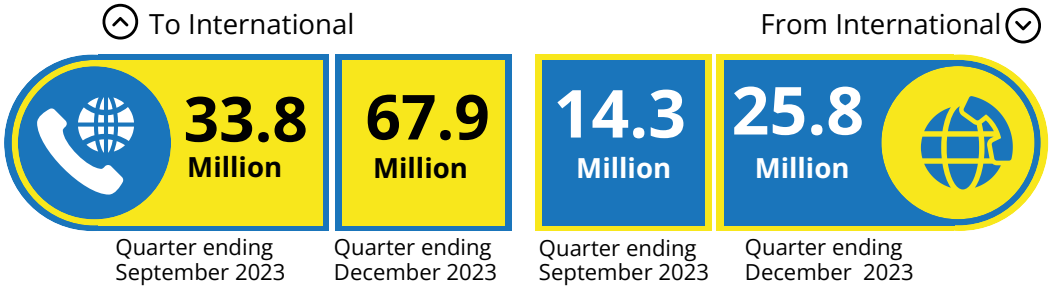


Chart 1.3.2.2b Off-net traffic shares by operator



1.3.3 International traffic

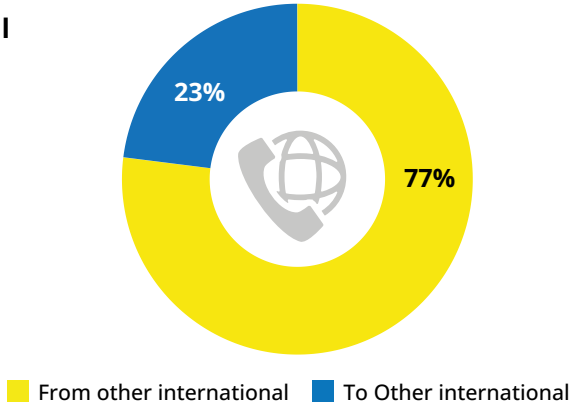
Total traffic to/from other international is summarised below and in Chart 1.3.3.



The summary shows that the traffic to other internationals has increased from 33.8 million minutes in the quarter ending September 2023 to 67.9 million minutes in the quarter ending December 2023, while traffic from other internationals has increased from 14.3 million minutes in the quarter ending September 2023 to 25.8 million minutes in the quarter ending December 2023.

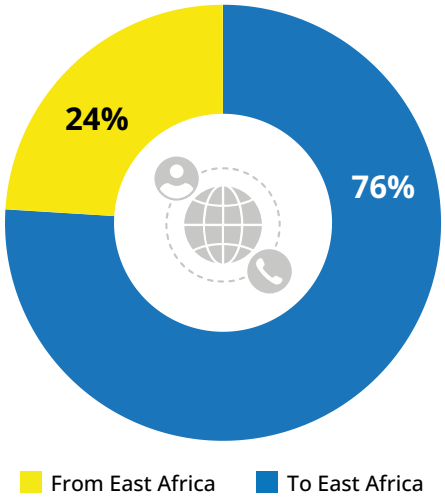
Chart 1.3.3 Traffic minutes to/from other international

It is shown in Chart 1.3.3 that traffic to other internationals is 3 times fewer compared to traffic from international.



1.3.4 Percentage shares of traffic to/from International

Chart 1.3.4a Shares of traffic minute to/from East Africa



Proportions of traffic to/from East Africa are shown in Chart 1.3.4b and 1.3.4c.

Chart 1.3.4b Traffic minutes to East Africa

Chart 1.3.4c Traffic minutes from East Africa

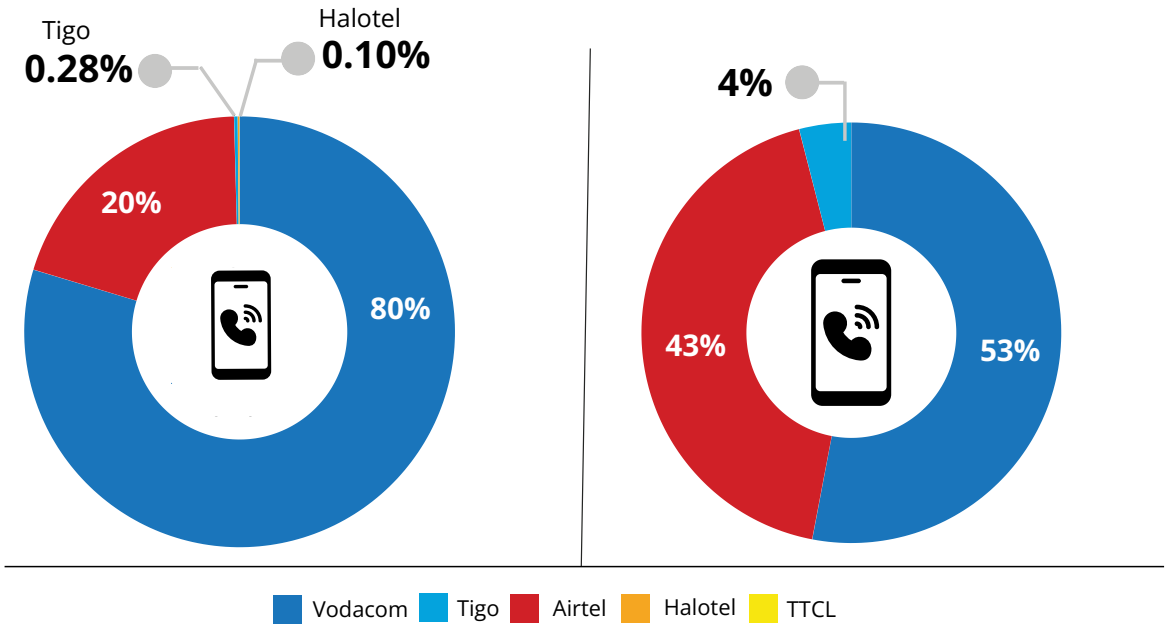


Chart 1.3.4b shows that Vodacom has the largest share (80%) of voice traffic to EA compared to other Mobile Network Operators (MNOs), while the share for other operators is indicated in the same chart.

It is shown in Chart 1.3.4c that Vodacom has the largest share (53%) of voice traffic from EA than other Mobile Network Operators (MNOs).

Chart 1.3.4d Shares of traffic minutes to/from other international

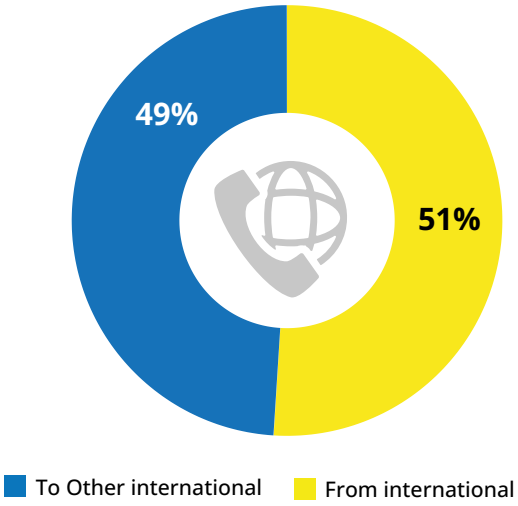


Chart 1.3.4e Shares of traffic minutes to other international

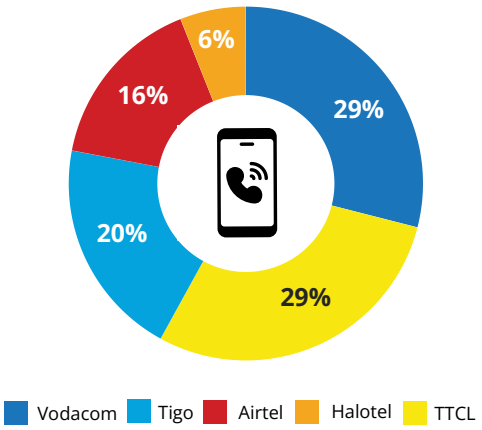
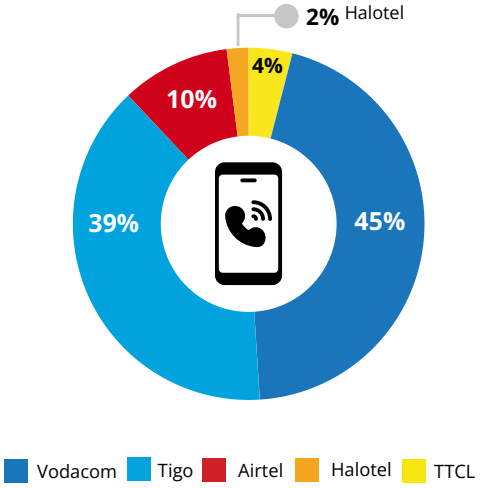


Chart 1.3.4f. Shares of traffic minutes from other international



It is shown in Chart 1.3.4e that Vodacom and TTCL have the largest share (29%) of voice traffic to other international than other MNOs.

It is shown in Chart 1.3.4f that Vodacom has the largest share (45%) of the voice traffic from other international than other MNOs.

1.3.5 Trend of local traffic minutes for the past five years

The trend of traffic minutes over the past five years has been increasing by an average increase of 9% and 61% for on-net and off-net, respectively each year from 2019 to 2023. The traffic growth trend is shown in Table 1.3.5.

Table 1.3.5 The Trend of local traffic minutes for the past five years.

	2019	2020	2021	2022	2023
On-net Traffic	55,812,036,633	54,561,254,851	51,673,651,476	62,678,814,642	77,770,241,513
Off-net Traffic	11,570,993,820	27,084,539,242	43,194,917,029	60,064,367,493	67,100,445,506
Total	**67,383,030,453**	**81,645,794,093**	**94,868,568,505**	**122,743,182,135**	**144,870,687,019**

Table 1.3.5 shows that more local traffic minutes were generated from on-net compared to off-net calls, however the difference is small due to almost similar calling rates offered by telecom operators.

1.3.6 Trend of international traffic minutes

The trend of traffic minutes for international calls is shown in Table 1.3.6.

Table 1.3.6 The trend of international traffic minutes for the past five years.

	2019	2020	2021	2022	2023
To East Africa	14,252,483	9,738,521	9,097,165	8,927,113	69,866,454
From East Africa	21,989,062	15,406,649	15,853,362	13,594,473	33,626,317
To the Rest of the World	43,297,997	38,014,133	24,856,947	26,034,131	20,292,153
From the Rest of the World	45,100,536	45,172,263	49,885,142	33,374,619	52,223,912

As shown in Table 1.3.6, more traffic is coming from both EA and other countries than outgoing to the same destinations. However, the traffic to and from EA has been decreasing, and the same trend is noted for the traffic to and from other internationals except for 2023 when EA traffic has significantly risen for both to and from.

1.4 Telecom SMS traffic

1.4.1 Local SMS traffic

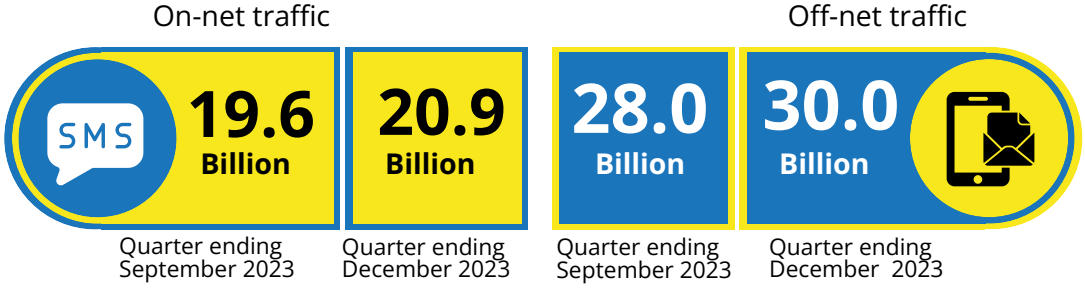


Table 1.4.1 Local SMS traffic

	OCTOBER	NOVEMBER	DECEMBER	TOTAL
On-net	8,274,785,038	9,848,777,990	2,769,307,678	**20,892,870,706**
Off-net	11,642,891,099	12,771,963,573	5,561,518,997	**29,976,373,669**

Local SMS traffic peaked in November 2023 and was at its lowest in December 2023, as shown in Table 1.4.1.

Also, the off-net SMS share was more significant (59%) than the on-net share, as shown in Chart 1.4.1a, indicating that more SMSs are sent across networks. Generally, Airtel had the largest local SMS share (39% on-net and 26% off-net) compared to other MNOs. Shares for other MNOs are shown in Chart 1.4.1b and Chart 1.4.1c.

Chart 1.4.1a Percentage of local SMS traffic

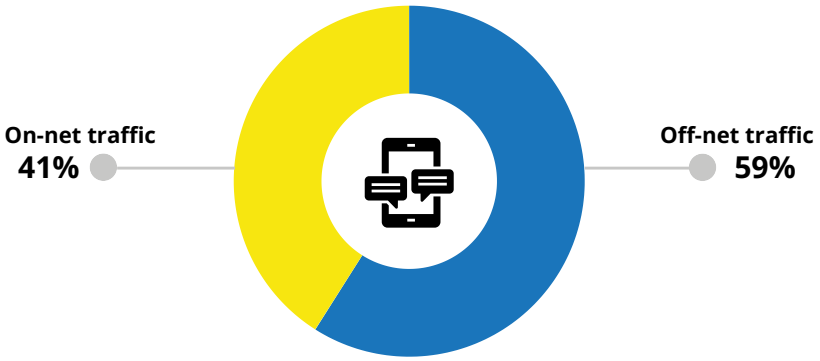


Chart 1.4.1b On-net traffic shares by operator

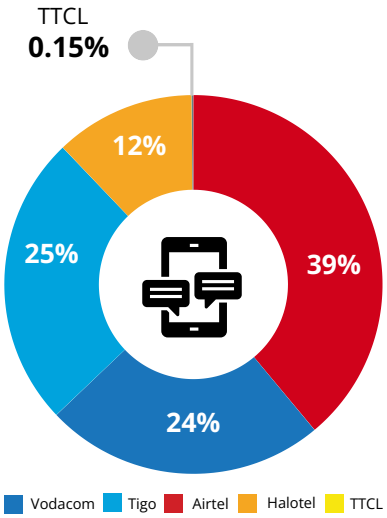
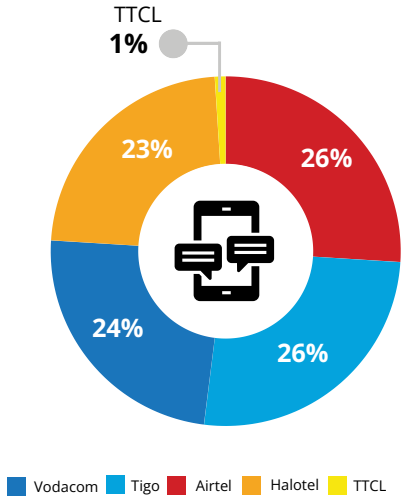


Chart 1.4.1c. Percentage shares of local off-net SMS



1.4.2 International SMS traffic

The trend of international SMS traffic is shown in Table 1.4.2.

1.4.2 International SMS traffic

	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Outgoing to EA	172,678	178,077	206,485	**557,240**
Incoming from EA	2,966,487	3,263,168	3,952,067	**10,181,722**
Outgoing to other Int	479,396	369,722	416,386	**1,265,504**
Incoming from other Int	485,608,495	523,879,308	491,227,168	**1,500,714,971**

It is shown in Table 1.4.2 that more SMSs were received from other countries than were sent to other countries. Also, more international SMSs were sent in October, while more SMS were received in November 2023 compared to other months of the quarter. More details of the proportion of SMS sent and received are shown in Chart 1.4.2a and 1.4.2b. Proportions of traffic to/from EA and other countries are shown in Chart 1.3.2.2a and 1.3.2.2b.

Chart 1.4.2a. Percentage share of SMS traffic to/from EA

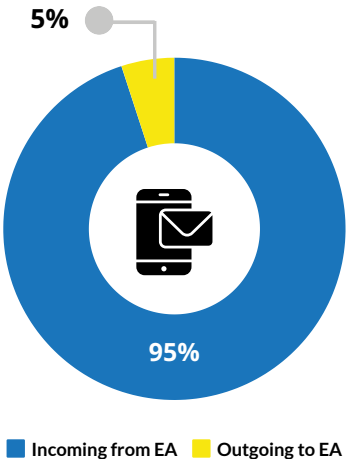


Chart 1.4.2b. Percentage share of SMS traffic

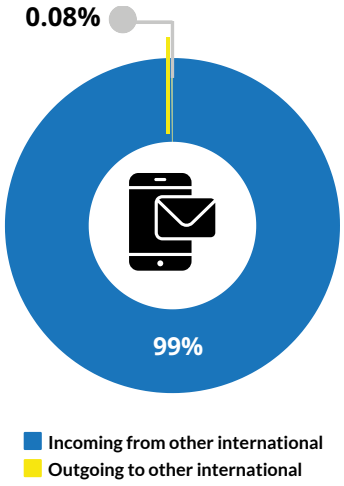


Chart 1.4.2c. Percentage shares of SMS to EA by operator

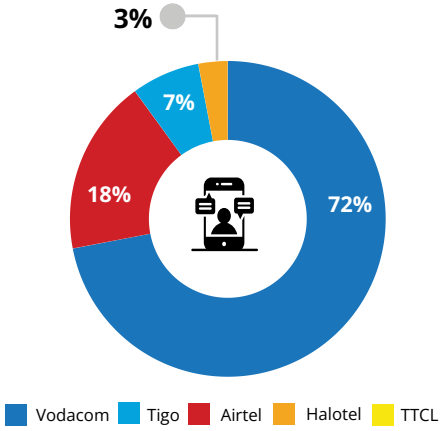


Chart 1.4.2d. Percentage shares of SMS from EA by operator

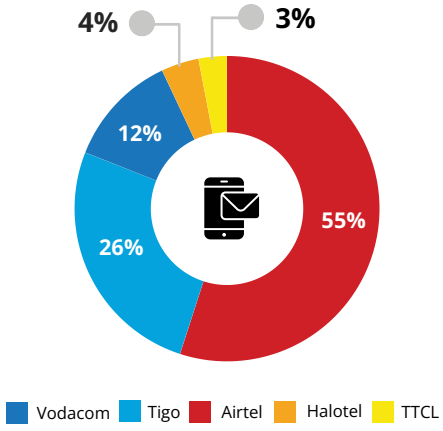


Chart 1.4.2e. Percentage shares of SMS to other International by operator

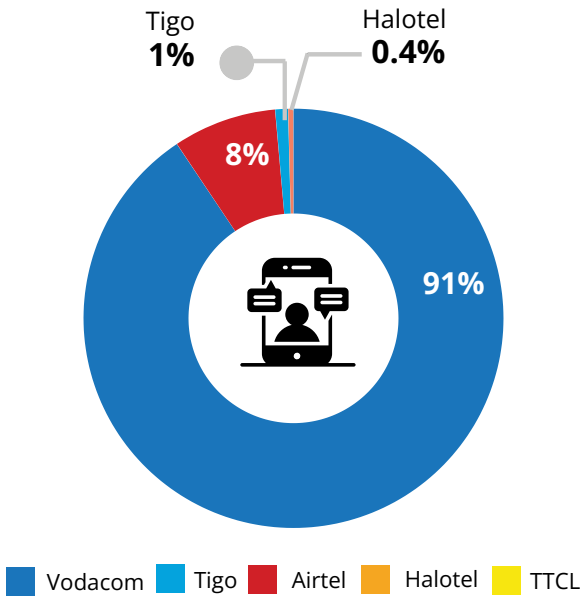
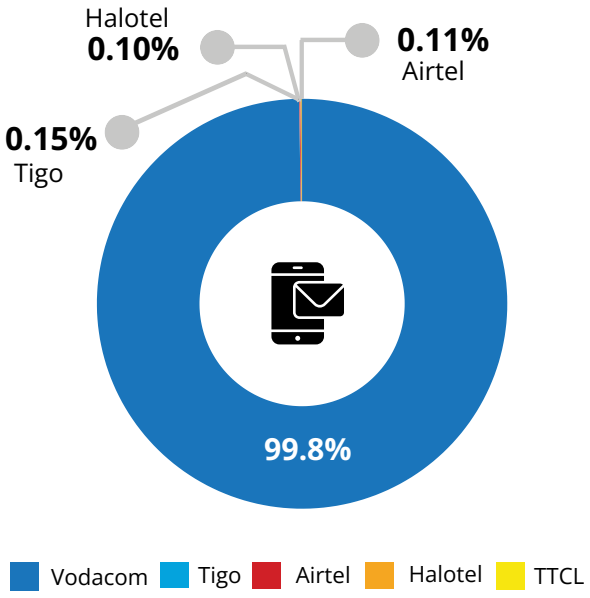


Chart 1.4.2f. Percentage shares of SMS from other International by operator



Vodacom handles more international SMS traffic than other MNOs, as shown in Chart 1.4.3b.

1.4.3 The trend of local SMS

The trend of local SMS over the past five years, as shown in Table 1.4.3.

Table 1.4.3. The trend of local SMS traffic in the past five years.

	2019	2020	2021	2022	2023
On-net SMS	53,787,444,093	61,971,569,487	58,875,779,663	65,358,270,089	84,818,793,761
Off-net SMS	51,650,529,287	71,072,186,913	78,200,512,436	88,154,239,625	121,727,776,013
TOTAL	**105,437,973,380**	**133,043,756,400**	**137,076,292,099**	**153,512,509,714**	**206,546,569,774**

1.4.4 The trend of international SMS

The trend of international SMS for the past five years is shown in Table 1.4.4.

Table 1.4.4. The trend of international SMS traffic in the past five years

	2019	2020	2021	2022	2023
Outgoing to EA	3,850,602	1,235,692	1,425,624	1,700,525	2,233,288
Incoming from EA	48,376,608	50,880,982	89,717,530	58,344,672	37,592,410
outgoing to Other Int	6,834,308	2,718,443	3,191,041	3,574,956	5,448,764
Incoming from other Int	3,201,524,787	3,935,379,714	4,599,468,894	4,664,200,079	5,562,047,440

1.5 User devices

User devices are the key driver in promoting the uptake of telecommunication/ICT services. The status of devices attached to operators' networks is shown in Table 1.5.

Table 1.5: User devices attached to operators' networks

Device Type	Number of devices	Penetration
Mobile Phone/Feature phone	52,862,548	85.62%
Smartphone	19,835,530	32.13%
Handheld	1,698,654	2.75%
Modem	584,323	0.95%
Portable(include PDA)	72,576	0.12%
Tablet	401,343	0.65%
Module	58,209	0.09%
WLAN Router	110,105	0.18%
Dongle	101,027	0.16%
IoT Device	95,336	0.15%
Vehicle	15,835	0.03%
Wearable	6,724	0.01%
Device for the Automatic Processing of Data (APD)	1,441	0.0023%

As of December 2023, the penetration of featured phones and smartphones has increased to 85.62% and 32.12% from 83.66% and 30.71% recorded in September 2023, respectively. The penetration for other devices is as indicated in Table 1.5.

2. Mobile Money Services Statistics

This section presents statistics on mobile money services in terms of subscriptions (number of mobile money accounts) and transactions.

2.1 Mobile money subscriptions

Mobile money subscriptions refer to the 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 increased from 51.4 million accounts in the quarter ending September 2023 to 52.9 million in the quarter ending December 2023.

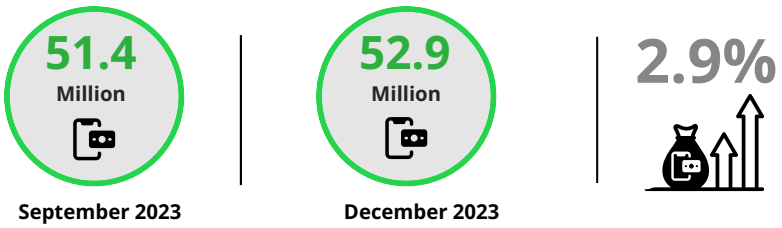


Table 2.1 Mobile money service subscriptions (number of accounts)

	OCTOBER	NOVEMBER	DECEMBER
Airtel Money	11,093,817	11,238,059	11,166,688
Halo Pesa	3,934,965	3,985,603	4,034,261
Tigo Pesa	15,801,524	16,019,568	16,260,532
T-Pesa	1,350,412	1,360,058	1,370,470
M-Pesa	19,180,295	19,466,821	20,043,178
TOTAL	**51,361,013**	**52,070,109**	**52,875,129**

Table 2.1 shows that mobile money accounts are increasing at an average rate of 1.46% per month during the quarter under review.

Chart 2.1. Market shares on mobile money subscriptions

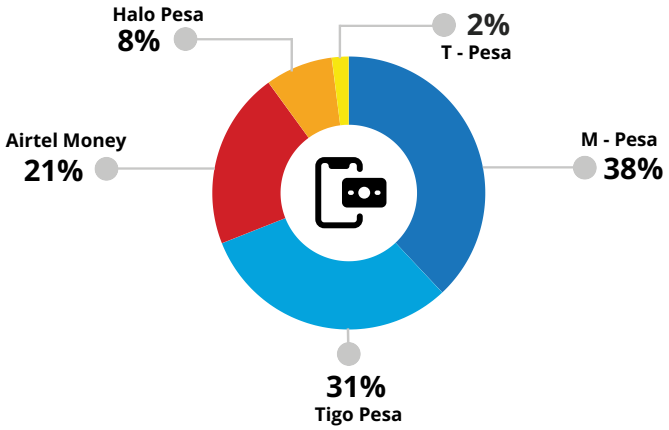


Chart 2.1 indicates that the mobile money market is very competitive as Tigo Pesa, M-Pesa, and Airtel money control 90% of the market share by subscription, led by M-Pesa with 38% market share.

2.2 Total number of subscriptions and transactions

Table 2.2 shows that there were more mobile money transactions in December 2023 compared to other quarter months.

Table 2.2. Total number of transactions

	OCTOBER	NOVEMBER	DECEMBER
No. of Transactions	526,245,314	483,594,084	549,529,470
Average No. of Trans/Subs	**10.2**	**9.3**	**10.4**

As shown in Table 2.2, the number of mobile money transactions for this quarter has been growing at an average of 3% per month. Also, mobile money transactions increased from 422,390,546 in the quarter ending September to 549,529,470 in December 2023, recording a 30% growth.

Table 2.3. Trend of mobile money transactions in the past five years

	2019	2020	2021	2022	2023
No. of Subscription	25,864,318	32,268,630	35,285,767	40,953,496	52,875,129
No. of Transactions	3,021,142,958	3,412,210,062	3,752,084,894	4,195,899,414	5,273,086,154
Average No. of Trans/Subs	**117**	**106**	**106**	**102**	**100**

The trend of mobile money transactions for the past five years in Table 2.3 shows that transactions have increased from 3 billion in 2019 to 5.3 billion, representing a 19% annual growth rate. During the same period, average transactions per subscriber increased from 117 to 100 transactions per annum.

3. Internet Services Statistics

3.1 Internet subscription

The subscription to mobile and fixed Internet, the primary means of Internet access, is defined as the total number of lines, including SIM cards and fixed lines, that have accessed and used Internet services in the last three months, regardless of the technology used (FTTX, GPRS, 3G, 4G, or 5G). During the quarter, there was a growth rate of 4.1% in mobile and fixed subscriptions, equivalent to 1.4% per month.

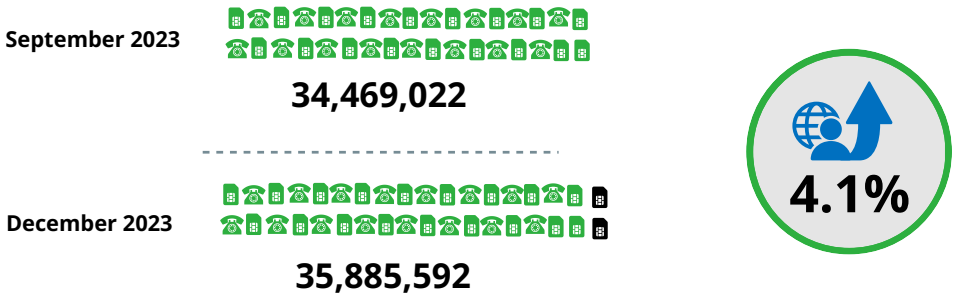


Table 3.1: Monthly internet subscriptions

	OCTOBER	NOVEMBER	DECEMBER
Mobile Internet Subs	34,751,832	35,626,666	35,815,632
Fixed Wireless Internet Subs	7,995	7,937	8,315
Fixed Wired Internet Subs	52,912	59,067	61,645
TOTAL	**34,812,739**	**35,693,670**	**35,885,592**

The number of subscriptions for the past five years is shown in Chart 3.2.

Chart 3.2. The trend of internet subscriptions for the past five years

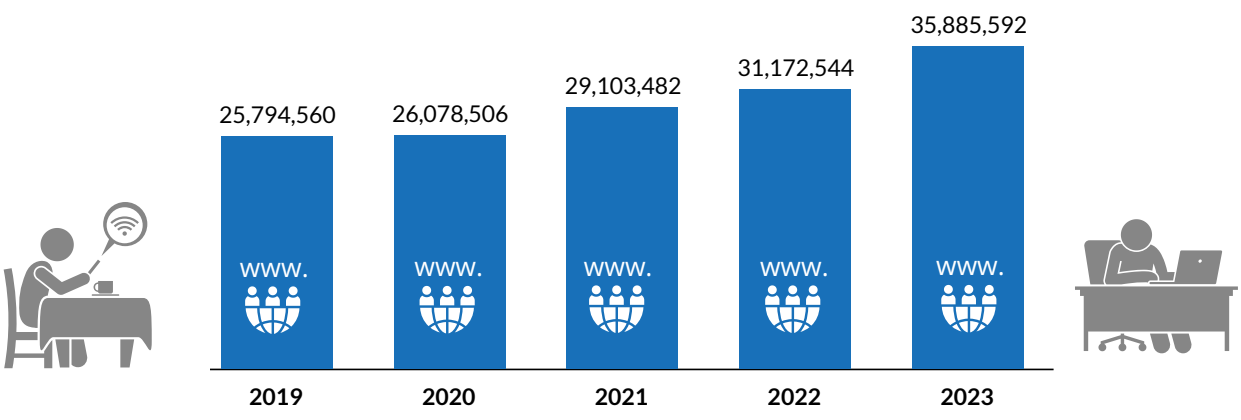


Chart 3.2 generally indicates an average annual growth rate of 9.78% in Internet subscriptions over the past five years. The number of subscriptions rose from 25.8 million in 2019 to 35.9 million in 2023.

3.2 Internet usage per month

Internet usage is counted as the amount of data traffic (in Petabytes) used in a given period. (Note that 1 Petabyte =1000^3 Megabytes).

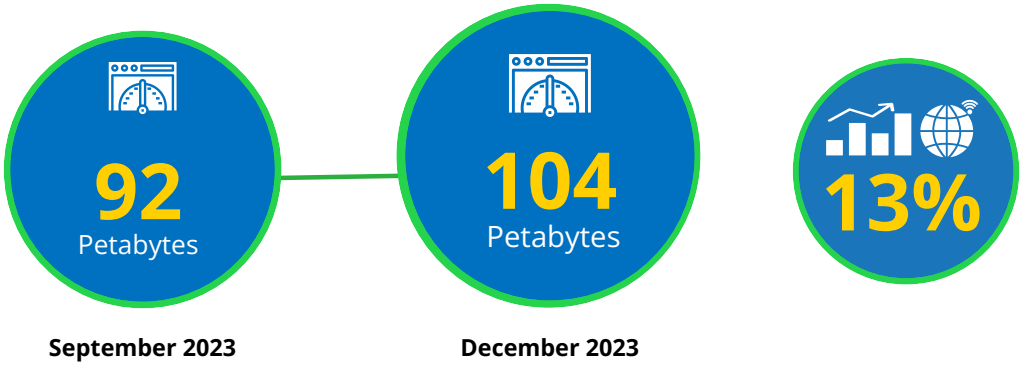


Table 3.2. Amount of data used in the past three months

	OCTOBER	NOVEMBER	DECEMBER
Data Traffic (Petabytes)	97	98	104
MBs/Subs/Month	2,786	2,567	2,890

Data traffic in petabytes shown in Table 3.2 indicates that more data were used in December, followed by October and November, with an average of 2,811 MB per subscriber per month compared to 2,662 MB in the quarter ending September 2023.

3.3 International link capacity

For international links, the outgoing and incoming capacity support internet usage locally and internationally. Table 3.3shows that the country has a 3,646 Gbps duplex capacity for new activation.

Table 3.3. International Internet Capacity as of December 2023

	Outgoing capacity (Gbps)	Incoming capacity (Gbps)
Total /Owned	4,790	4,790
Activated	1,144	1,144
Available for new activation	3,646	3,646

3.4 Roll out of mobile broadband network and quality of internet speed

Investment in the telecommunication infrastructure has increased the rollout of mobile broadband networks covering a vast land accessed by people, as shown in Table 3.4.

Table 3.4. Network coverage and quality of internet speed for mobile and fixed as of December 2023.

S/N	Indicator	Category	September 2023		December 2023	
1	Percentage of the population covered by a mobile broadband network signal (3G, 4G or higher)	3G	83%		86%	
		4G	74%		79%	
2	Percentage of Geographical coverage by mobile network signal (3G, 4G or higher)	3G	67%		70%	
		4G	55%		63%	
3	Network Quality Indicator: Average download and upload speeds (in Mbit/s)		**Upload speed**	**Download speed**	**Upload speed**	**Download speed**
		Mobile broadband	6.86 Mbps	10.81 Mbps	6.14 Mbps	11.03 Mbps
		Fixed broadband speed	23.07 Mbps	24.29 Mbps	32.9 Mbps	34.11 Mbps

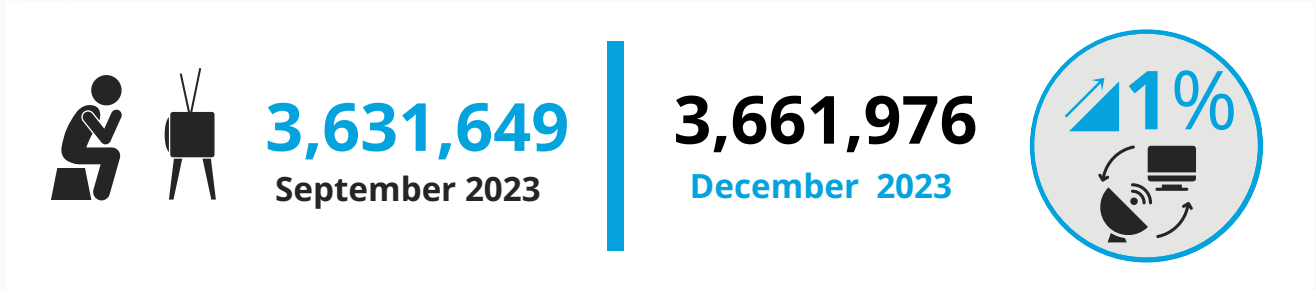
Significant achievements were attained in the sector during this quarter, as shown in Table 3.4, including expanding 3G and 4G coverage to reach population coverages of 86% and 79%, compared to 83% and 74% achieved in the quarter ending September 2023, respectively.

4. Broadcasting Services Statistics

This section presents statistics for the number of radio and TV stations, and Pay TV and Cable TV subscriptions.

4.1 Active decoders

The number of active (functional) decoders (set-top boxes) accessing TV broadcasting services has increased by 1% from 3.6 million in September to 3.7 million during the quarter ending December 2023, as shown in Table 4.2.



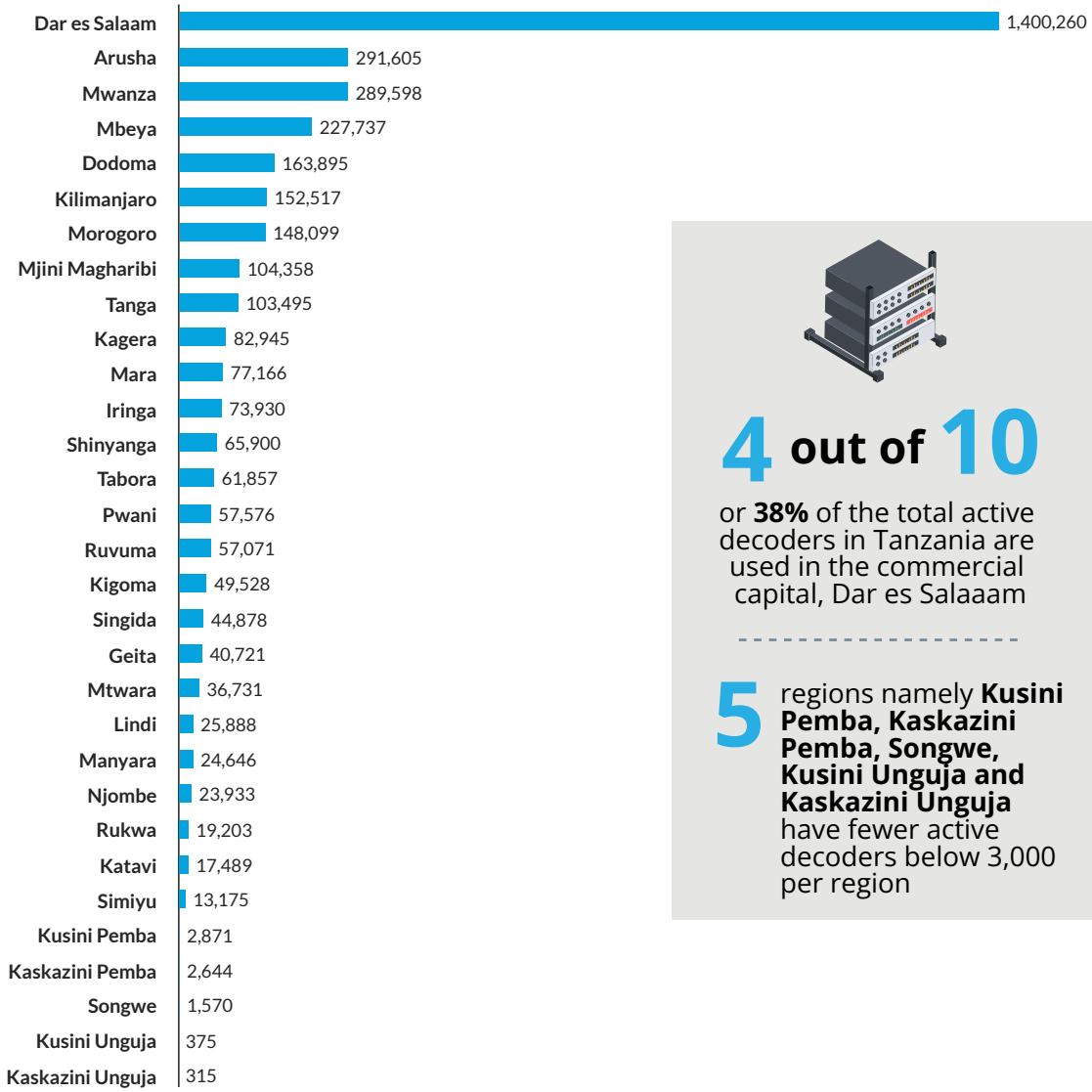
It is shown in Table 4.1 that Star Media has the most significant number of active decoders (subscriptions) in the DTT category compared to other players, followed by Azam. In contrast, Azam has more subscriptions for the DTH category than other players, followed by Star Media. Also, the total number of DTH subscriptions is slightly higher than that of DTT.

Table 4.1. Number of active decoders per operator as of December 2023

	DTT	DTH	TOTAL
Agape Associates Ltd	2,023	1,978	4,001
Azam	202,439	933,040	1,135,479
BTL	17,392	0	17,392
CONTINENTAL	38,623	30,181	68,804
MULTICHOICE	0	245,349	245,349
Star Media	1,520,863	637,932	2,158,795
ZUKU	0	32,156	32,156
TOTAL	**1,781,340**	**1,880,636**	**3,661,976**

Based on the regional distribution of active decoders (subscriptions) shown in Chart 4.1 and Map 4.1, Dar es Salaam is ranked first, Arusha is second, Mwanza is third, Mbeya is ranked fourth, and other regions are as shown on the map. The region in Tanzania mainland with the smallest number of active decoders is Songwe, followed by Simiyu.

Chart 4.1 Number of Active Decoders per Region

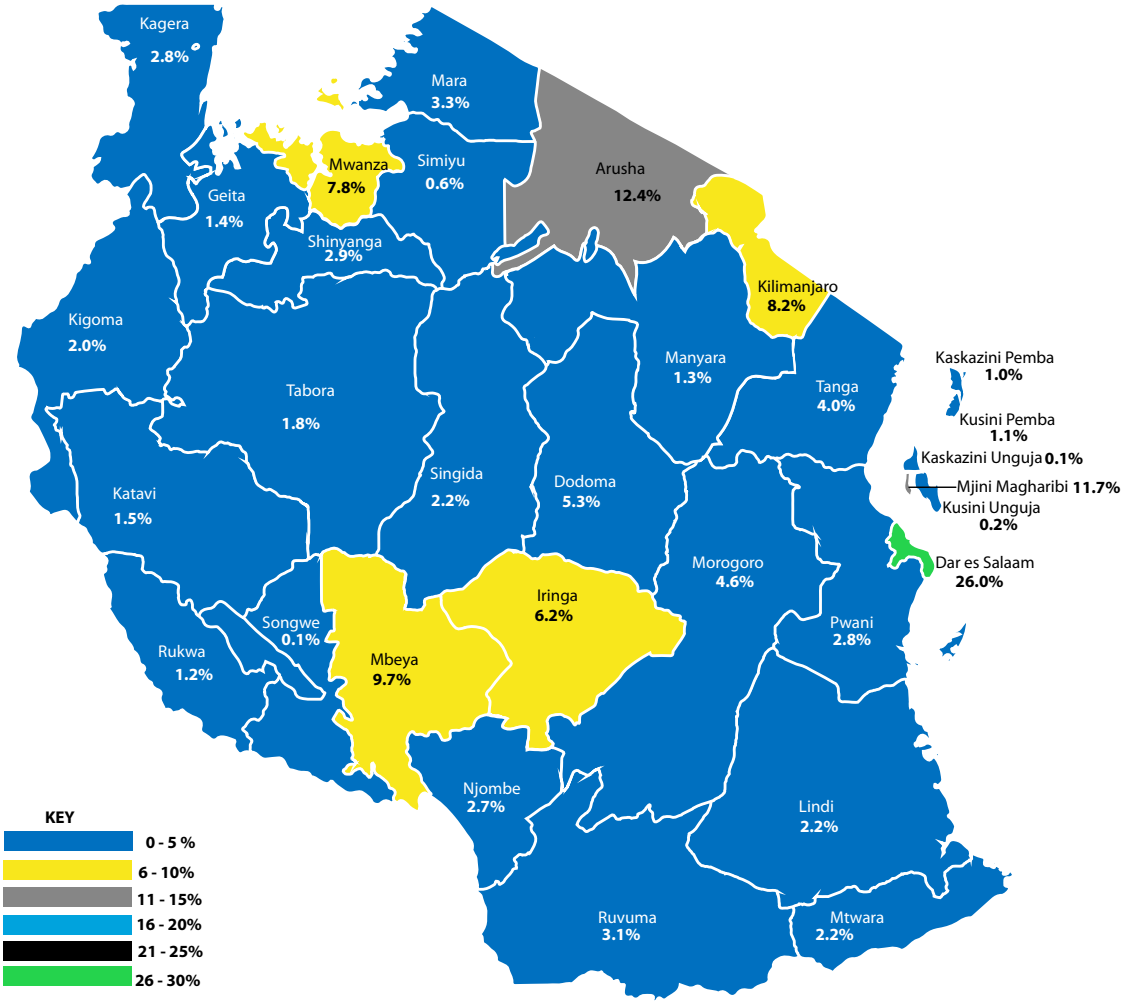


4 out of 10

or **38%** of the total active decoders in Tanzania are used in the commercial capital, Dar es Salaaam

5 regions namely **Kusini Pemba, Kaskazini Pemba, Songwe, Kusini Unguja and Kaskazini Unguja** have fewer active decoders below 3,000 per region

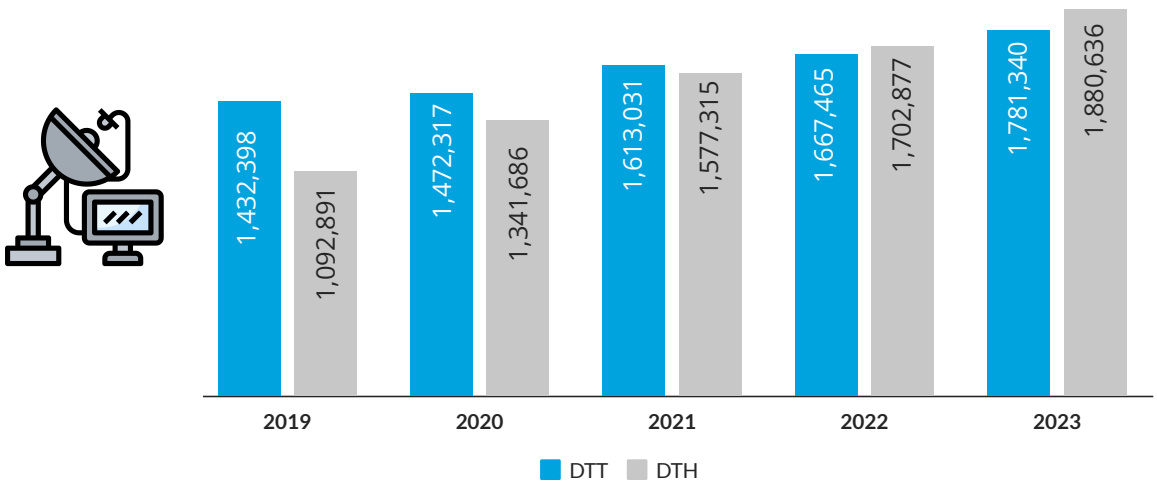
Map 4.1. Penetration of decoders in all regions of Tanzania as of December 2023



4.2 Active decoders in the past four years

The active decoders in the last five years per type of service (DTT or DTH) are shown in Chart 4.2.

Chart 4.2. Number of Active Decoders in the past five years



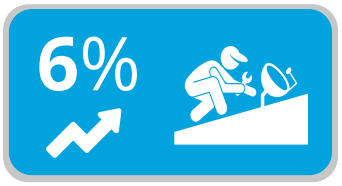
There is a growing trend in DTT and DTH subscriptions, as shown in Chart 4.2, from year to year, where 2023 recorded the highest number of subscriptions.

4.3 Cable TV subscriptions

The number of active (functional) decoders (set-top boxes) accessing TV broadcasting services has increased by 6% from 15,329 in September to 16,223 during the quarter ending December 2023, as shown below.

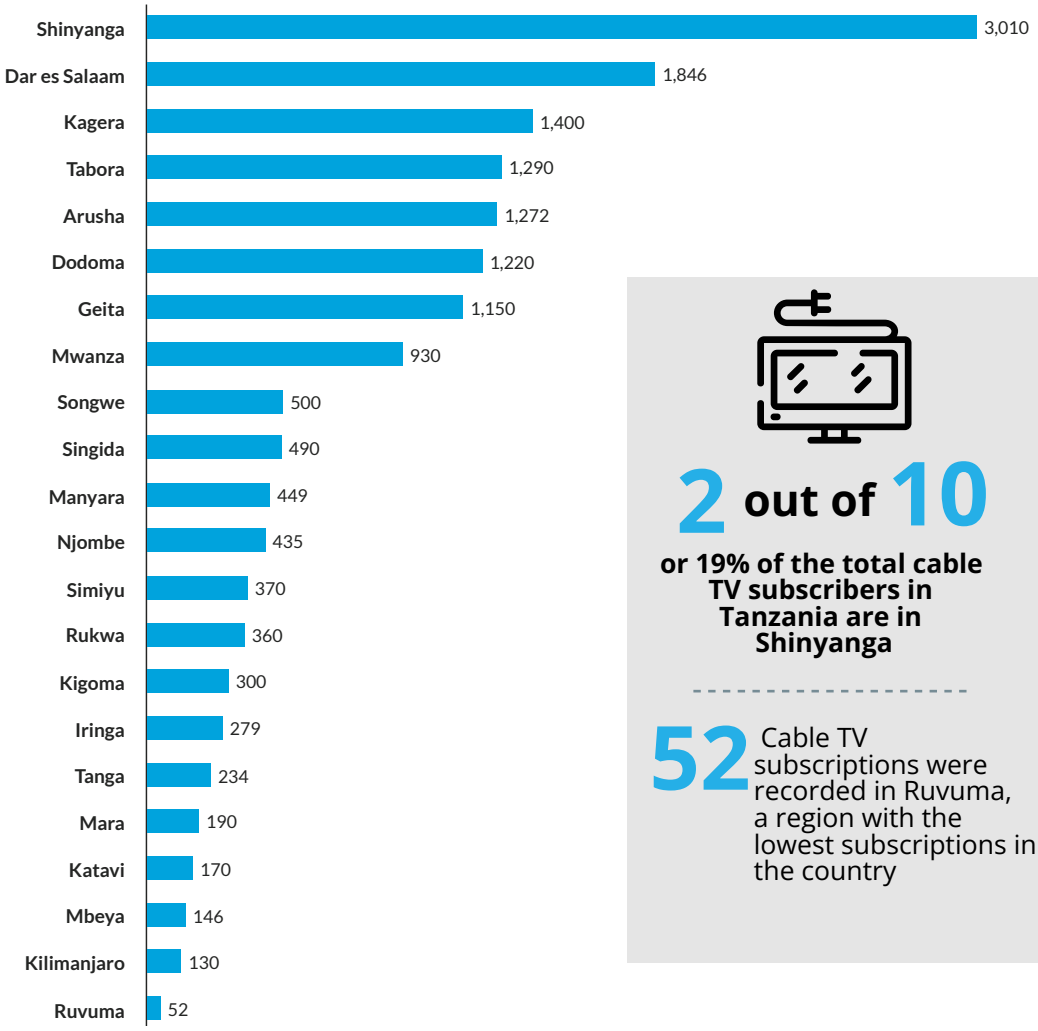
July - September 2023 **15,329**

October - December 2023 **16,223**



The distribution of cable TV subscriptions in the country during the quarter under review is shown in Chart 4.3.

Chart 4.3 Cable TV subscriptions in Tanzania as of December 2023



2 out of 10

or 19% of the total cable TV subscribers in Tanzania are in Shinyanga

52 Cable TV subscriptions were recorded in Ruvuma, a region with the lowest subscriptions in the country

Among all regions of Tanzania mainland, Shinyanga leads by having 3,010 Cable TV subscriptions, followed by Dar es Salaam with 1,846, Kagera with 1,400, Tabora with 1,290, while Kilimanjaro and Ruvuma recorded the least subscriptions with 130 and 52, respectively.

4.4 Trend of cable TV subscriptions in the past five years

Cable TV subscriptions have increased, especially between 2020 and 2022, but decreased in December 2023, as shown in Table 4.4. The decrease in subscriptions might be attributed to the increased penetration of DTT and DTH in the country.

Table 4.4 Trend of Cable TV subscription for the past five years

	2019	2020	2021	2022	2023
Subscriptions	15,245	14,350	19,739	22,295	16,223

5. Postal & Courier Services Statistics

Postal and Courier Services statistics include but are not limited to posting and delivering postal and courier items.

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

5.1 Posted items

The number of posted mails, parcels and documents within the country (local) have increased by 38.2% from 522,243 items in July-September 2023 to 722,116 items in October-December 2023. Such an increase is due to the rise in posted mail by TPC and posted parcels by other courier operators. The change of locally posted items, the number of locally posted items, and the number of internationally posted items are shown below in Table 5.1a, and Table 5.1b, respectively.

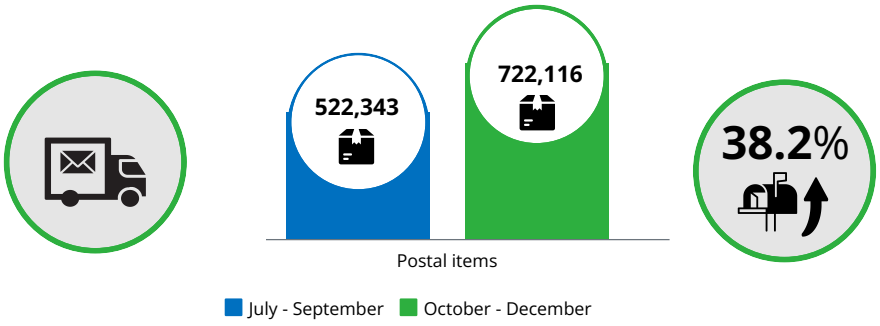


Table 5.1a. Local posted items in the quarter ending December 2023

	Domestic Mails	Domestic Parcel	Documents	TOTAL
TPC	458,668	8,183	113,146	**579,997**
COURIER	10,387	105,897	25,835	**142,119**
TOTAL	**469,055**	**114,080**	**138,981**	**722,116**

Table 5.1b. International posted items in the quarter ending December 2023

	EA Mails	EA Parcels	EA Documents	RoW Mails	RoW Parcels	RoW Documents	TOTAL
TPC	113,146	531	92	24	85,866	1,383	201,042
COURIER	25,835	807	5,854	4,140	560	4,961	42,157
TOTAL	**138,981**	**1,338**	**5,946**	**4,164**	**86,426**	**6,344**	**243,199**

It is shown in Table 5.1a that a total of 579,997 and 142,119 items were posted through TPC and Courier, respectively. Moreover, Table 5.1b shows that a total of 201,042 and 42,157 items were posted to international destinations through TPC and Courier, respectively.

5.2 Delivered items

The number of delivered items from East Africa (EA) and the Rest of the World (RoW) has increased by 125% from 116,429 items in the quarter ending September 2023 to 261,983 items in the quarter ending December 2023. Such an increase is due to the rise in delivered items from RoW by TPC. The change of delivered items, number of delivered items, and share of international posted and delivered items aresummarised below and in Table 5.2a, and Chart 5.2b, respectively.

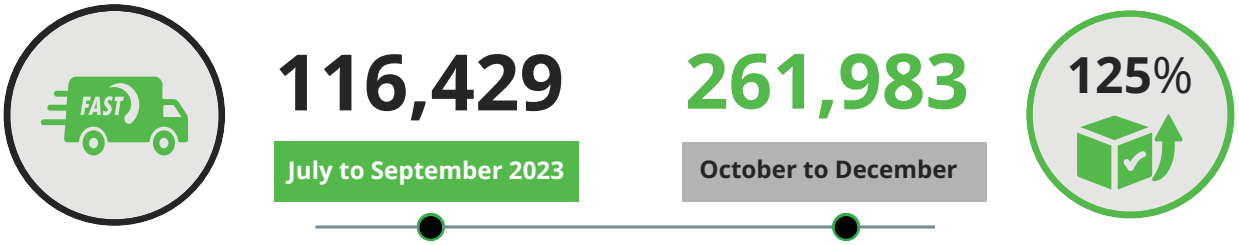
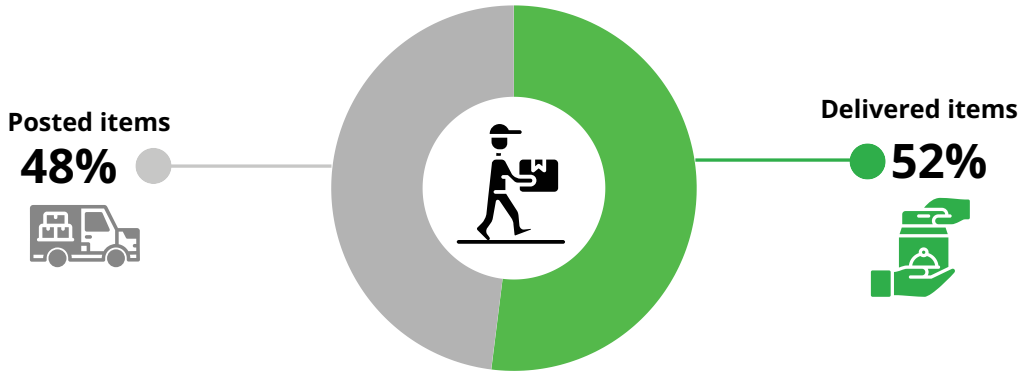


Table 5.2. Delivered items from EA and RoW for the quarter ending December 2023.

	EA Mails	EA Parcels	EA Packets	EA Documents	RoW Mails	RoW Parcels	RoW Packets	RoW Documents	TOTAL
TPC	770	166	329	15	126,645	14,174	1,741	-	**143,840**
COURIER	1,072	5,849	-	6,762	925	-	103,535	-	**118,143**
TOTAL	**1,842**	**6,015**	**329**	**6,777**	**127,570**	**14,174**	**105,276**	**-**	**261,983**

It is shown in Table 5.2 that there were more delivered items from the RoW (247,020) than from EAC (14,963). It is further indicated that the majority of items were delivered through TPC.

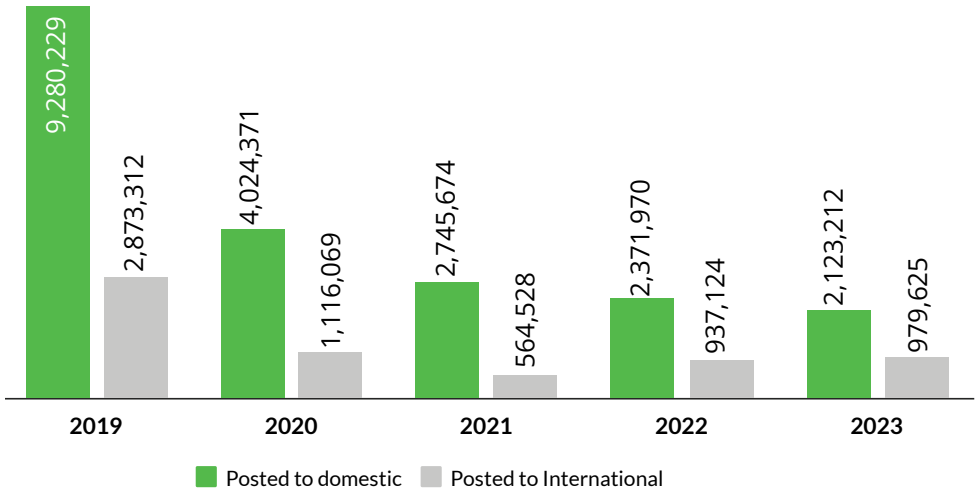
Chart 5.2 Share of international posted and delivered items



5.3 Annual posted items for the past five years

The trend of posted items over the past five years is shown in Table 5.3.

Chart 5.3. Trend of posted items to domestic and international for the past five years.



It is shown in Chart 5.3 that more items were posted to domestic destinations than to international destinations. However, the number of posted items has decreased over time, as shown in Chart 5.3.

5.4 Annual international posted and delivered items for the past five years

Chart 5.4 depicts the number of items posted and delivered from the international during the past five years.

Chart 5.4. Trend of posted items to international and delivered from international for the past five years

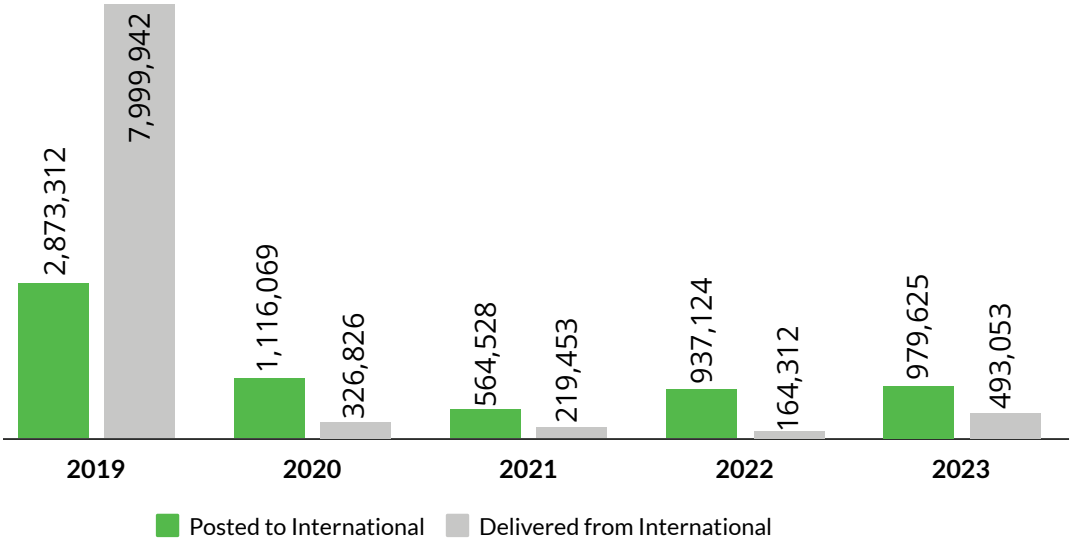


Chart 5.4 shows that the number of items posted to international destinations has decreased from 2,873,312 items in 2019 to 493,053 items in 2023. On the other hand, delivered items experienced almost similar decreasing trend. However, more items have been posted to other countries than delivered from other countries.

6. Quality of Services & Frauds Practices Statistics

6.1 Quality of services

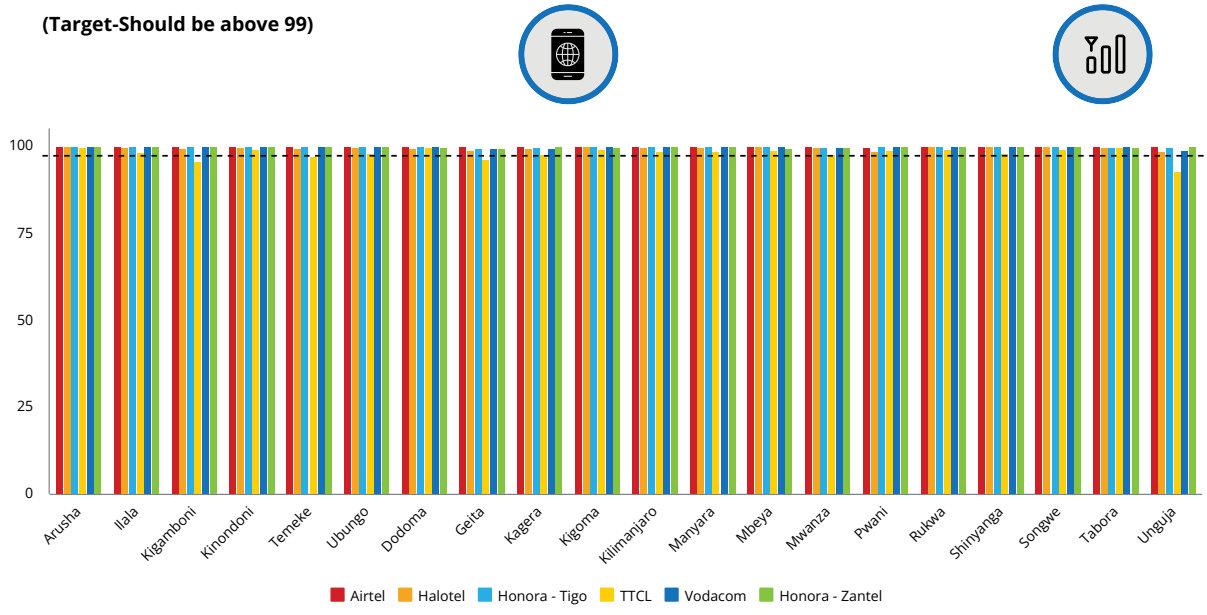
The following is the summary of the results on the quality of service (QoS) of mobile networks in Tanzania from October to December 2023. Measurements were conducted considering the QoS parameters and measurement methods specified in the Electronic and Postal Communications (Quality of Service) Regulations, 2018.

6.1.1 Network availability

Network Availability measures how well the mobile network is available when consumers want to use mobile network services. The threshold for compliance is greater than 99%.

Airtel, Honora-Tigo and Honora-Zantel passed the target in all twenty measured service areas. Vodacom passed the target in nineteen areas, Halotel in seventeen areas, and TTCL in eight, as shown in Chart 6.1.1.

Chart 6.1.1 Network Availability (%)

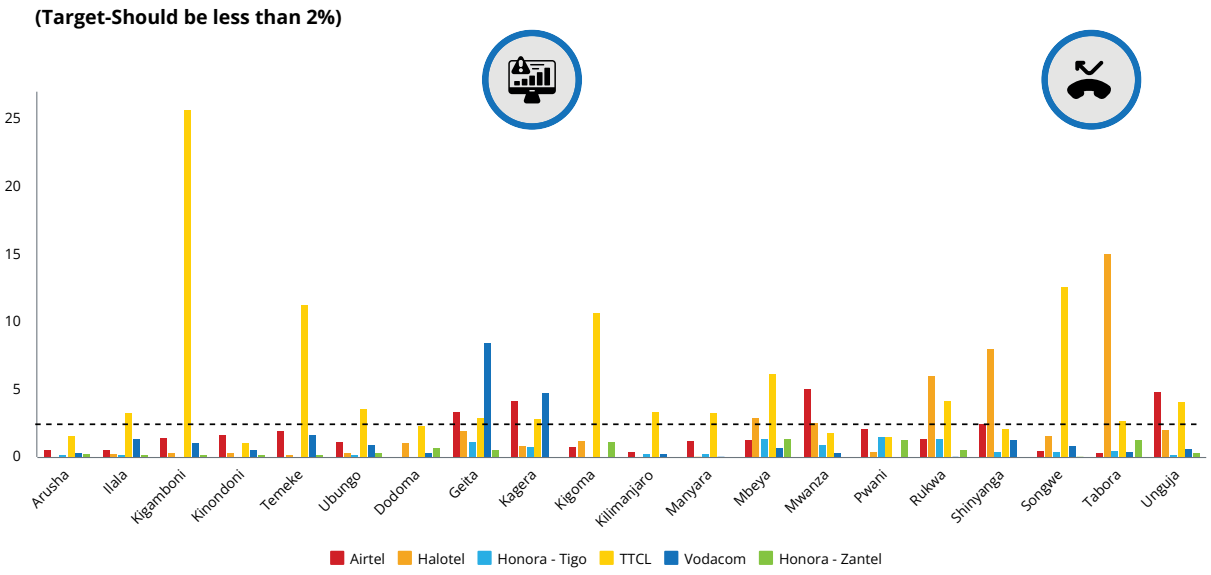


6.1.2 Call Connection Failure Rate (CCFR)

The Call Connection Failure Rate measures the percentage of calls that failed to connect after dialling due to technical reasons. The threshold for compliance is less than 2%.

Halotel, Airtel, Honora-Tigo, Vodacom and Honora-Zantel passed the target in more than fourteen areas. Airtel passed the target in eleven areas, while TTCL passed the target in six service areas, as shown in Chart 6.1.2.

Chart 6.1.2 Comparative results on the Call Connection Failure Rate

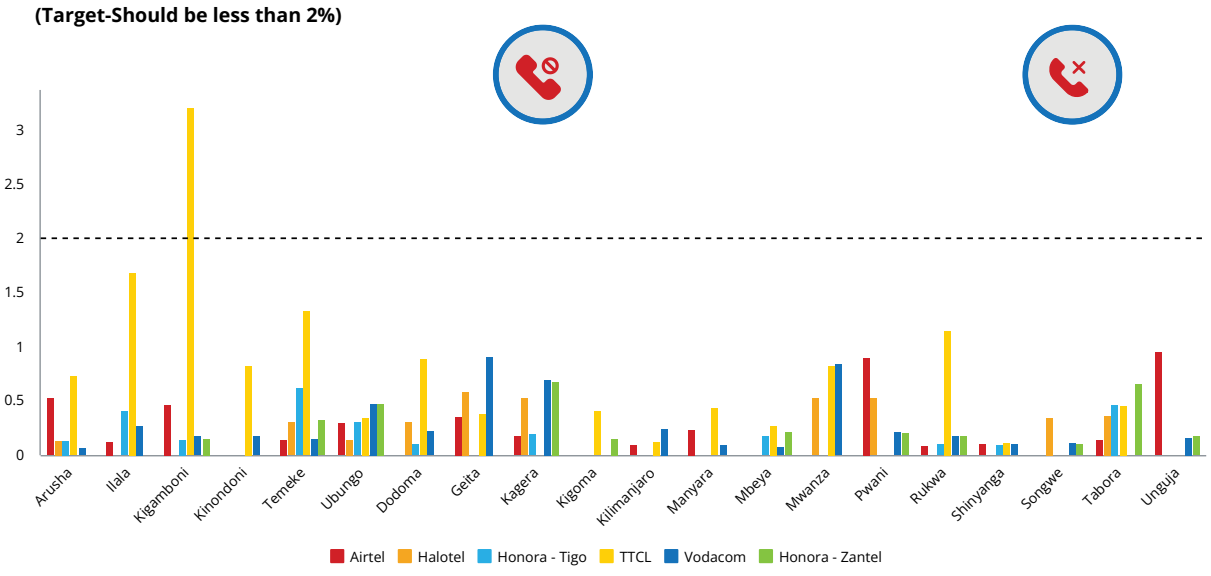


6.1.3 Call drop rate

Call Drop Rate measures the percentage of calls cut off due to technical reasons before the speaking parties finish their conversation and one of them hangs up (dropped calls). The threshold for compliance is less than 2%.

Airtel, Vodacom, TTCL, Honora-Tigo and Honora-Zantel passed the target in all twenty measured service areas, while Halotel passed the target in nineteen areas, as shown in Chart 6.1.3.

Chart 6.1.3 Comparative results on the Call Drop Rate

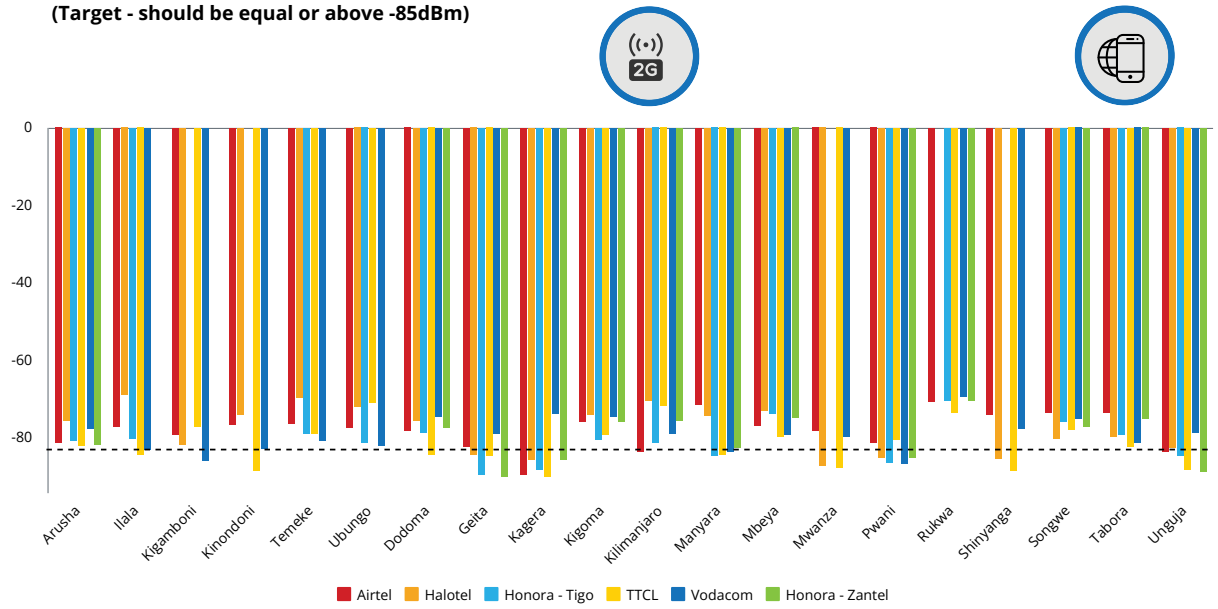


6.1.4 2G Service coverage

2G Service Coverage indicates how well service areas are covered by a particular mobile network operator signal for consumers to get mobile network service. Consumers cannot get 2G mobile network services in areas with no coverage or very poor coverage. The threshold for compliance for 2G technologies is -85 dBm.

Airtel passed the target in all service areas. Vodacom, Halotel, and Honora-Zantel passed the target in eighteen areas, Honora-Tigo in seventeen areas, and TTCL in fifteen service areas, as shown in Chart 6.1.4.

Chart 6.1.4 Comparative results on 2G Coverage

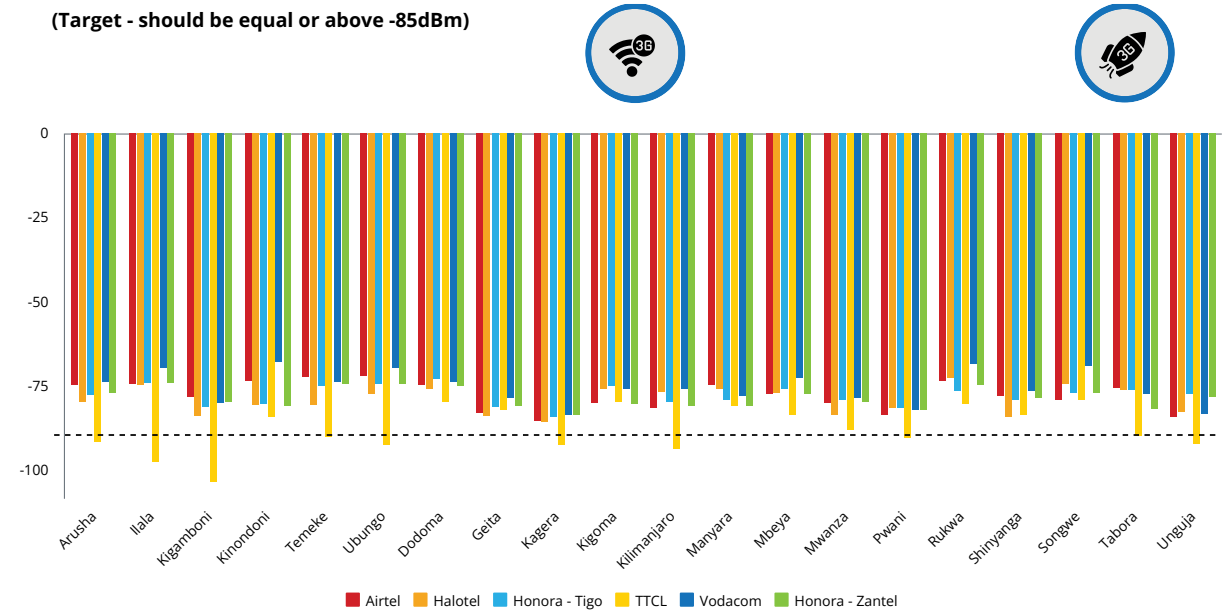


6.1.5 3G Service coverage

The 3G Service Coverage reflects the extent of coverage provided by a particular mobile network operator's signal, enabling consumers to access mobile network services. In areas with no or very poor coverage, consumers cannot receive 3G mobile network services. The compliance threshold for 3G technologies is set at -85 dBm.

Airtel, Honora-Tigo, Honora-Zantel, and Vodacom met the target in all twenty measured service areas. Halotel achieved the target in nineteen areas, while TTCL reached the target in nine service areas, as depicted in Chart 6.1.5.

Chart 6.1.5 Comparative results on 3G Coverage

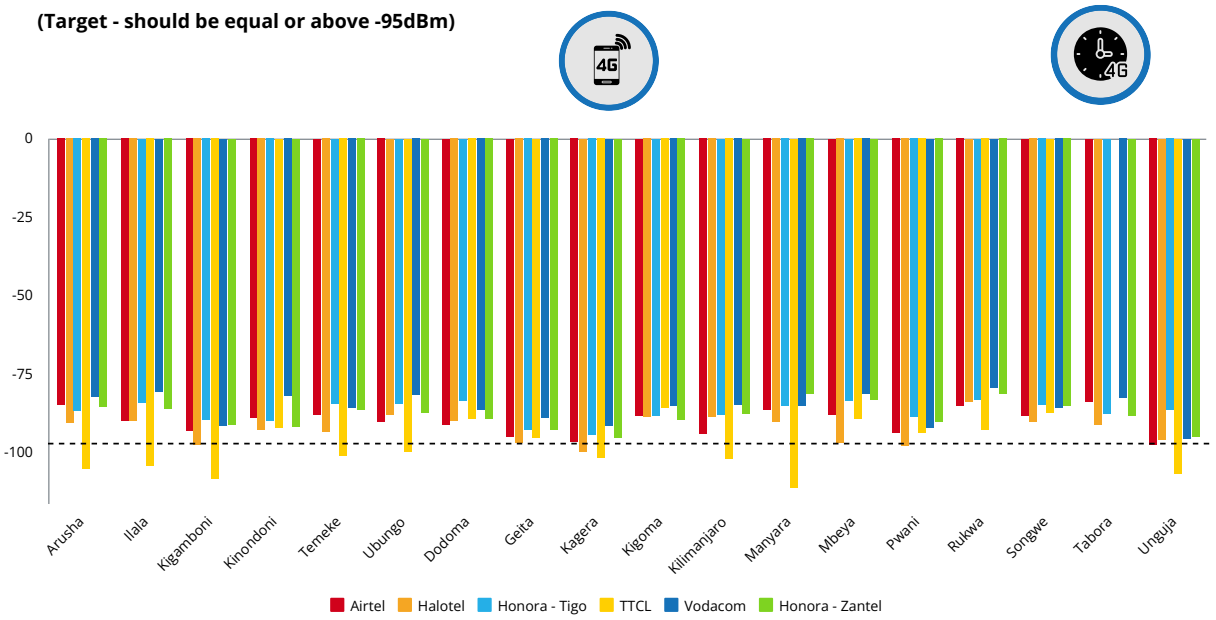


6.1.6 4G Service coverage

This is a measure of how well service areas are covered by a particular mobile network operator signal for consumers to get mobile network service. In areas with no coverage or very poor coverage, consumers cannot get mobile network services. Threshold for compliance for 4G technology is -95 dBm.

Honora-Tigo and Honora-Zantel passed the target in all measured service areas. Vodacom failed to meet the target in two areas. Airtel and Halotel failed to meet the target in three areas, while TTCL failed to reach the target in eight (8) service areas as shown in Chart 6.1.6.

Chart 6.1.6 Comparative results on 4G Coverage

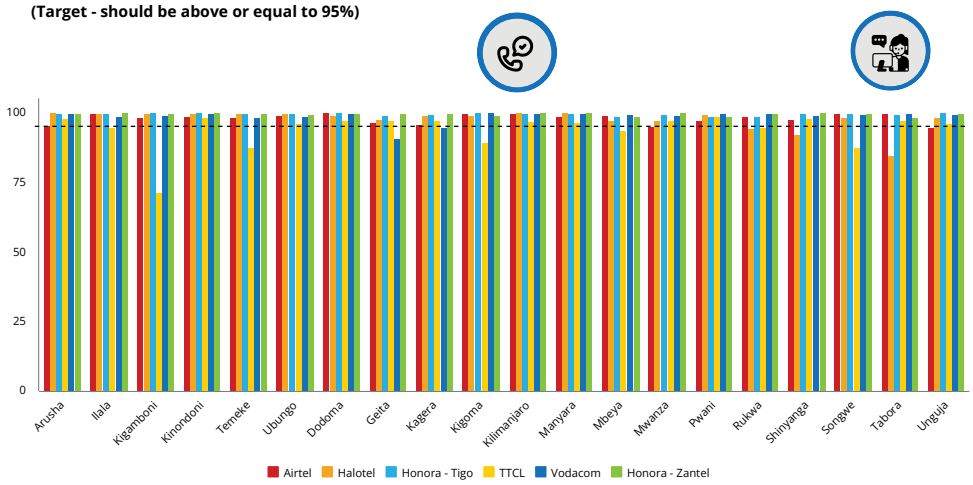


6.1.7 Call Success Rate

Call Success Rate measures the percentage of calls completed successfully after dialling, such that they were neither blocked nor dropped. The threshold for compliance is equal to or greater than 95%.

Honora-Tigo, Honora-Zantel and Airtel passed the target in all twenty measured service areas. Vodacom passed the target in nineteen areas, Halotel in eighteen areas, and TTCL in sixteen service areas, as shown in Chart 6.1.7.

Chart 6.1.7 Comparative results on Call Success Rate

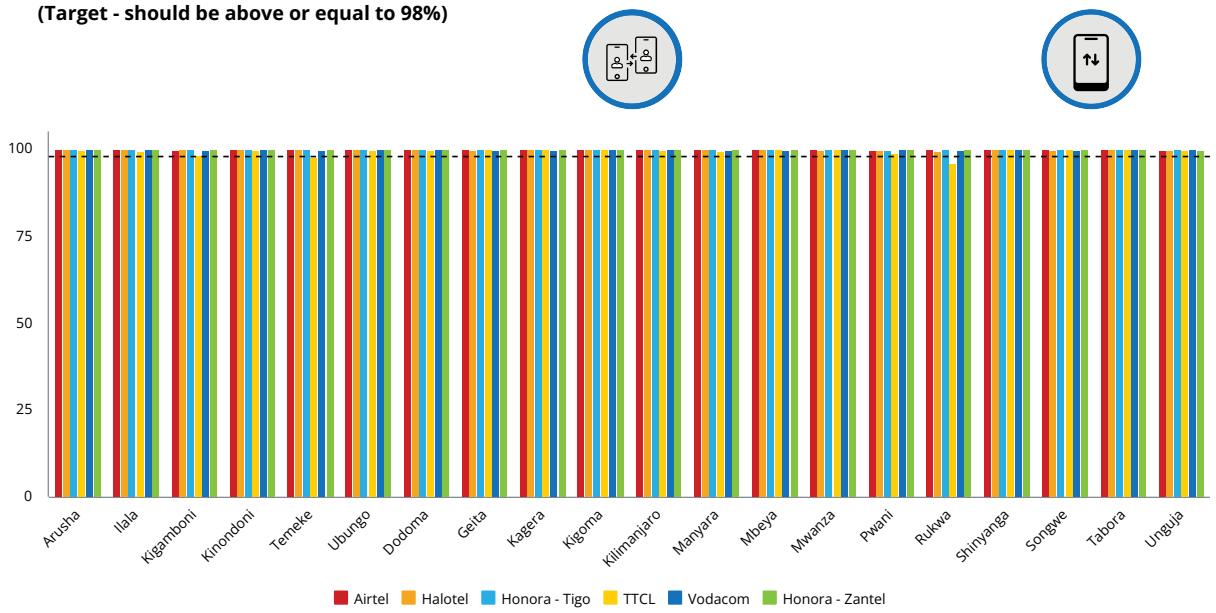


6.1.8 Handover Success Rate

Handover Success Rate measures how well voice calls are transferred from one communication tower to another without dropping while the user moves. The threshold for compliance is equal to or greater than 98%.

Airtel, Halotel, Honora-Tigo, Vodacom and Honora-Zantel passed the target in all twenty measured service areas, while TTCL passed the target in seventeen areas, as shown in Chart 6.1.8.

Chart 6.1.8 Comparative results on Handover Success Rate

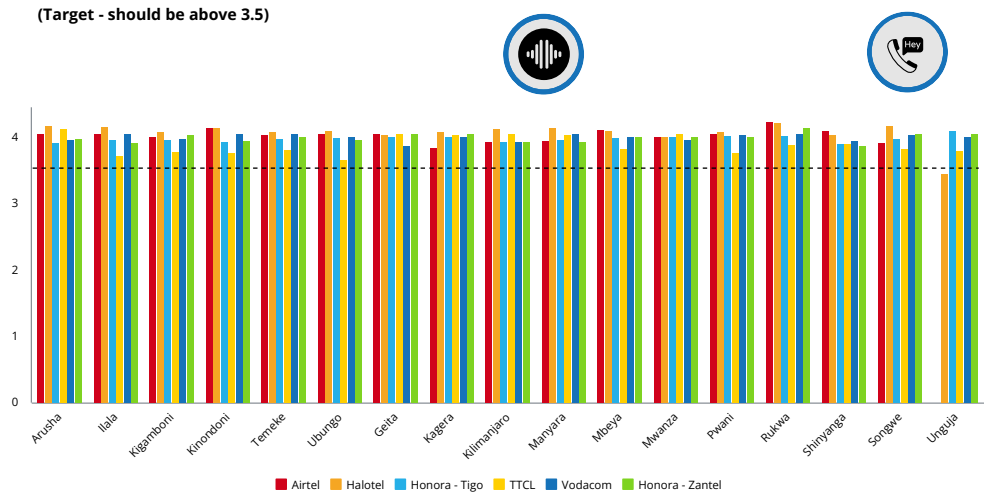


6.1.9 Voice Quality (MOS)

Voice Quality (MOS) is a measure of the perception of the audio quality of the conversation during a call. The MOS Score scale ranges from 1 to 5, with 1 being poor and 5 being excellent audio quality. The threshold for compliance is an average of all Voice Quality (MOS) measurement samples being greater than 3.5.

Airtel, Halotel, Honora-Tigo, TTCL, Vodacom and Honora-Zantel passed the target in all twenty measured service areas, as shown in Chart 6.1.9.

Chart 6.1.9 Comparative results on Voice Quality

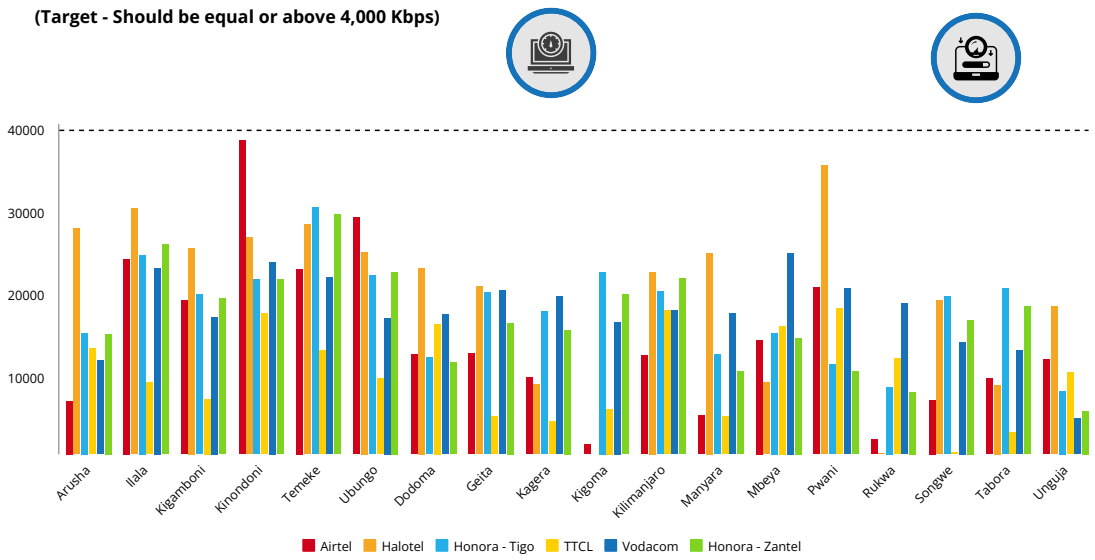


6.1.10 Download Mean Data Rate

Download Mean Data Rate is a measure of the rate of data transfer on a network. It measures how fast data is transferred from a file transfer protocol (FTP) server to a mobile device. The compliance threshold is average, greater or equal to 4000 kbps.

Vodacom, Honora-Tigo, and Honora-Zantel passed the target in all twenty measured service areas, and Airtel and Halotel passed the target in eighteen areas. In comparison, TTCL passed the target in nineteen service areas, as shown in Chart 6.1.10.

Chart 6.1.10 Comparative results on Download Mean Data Rate

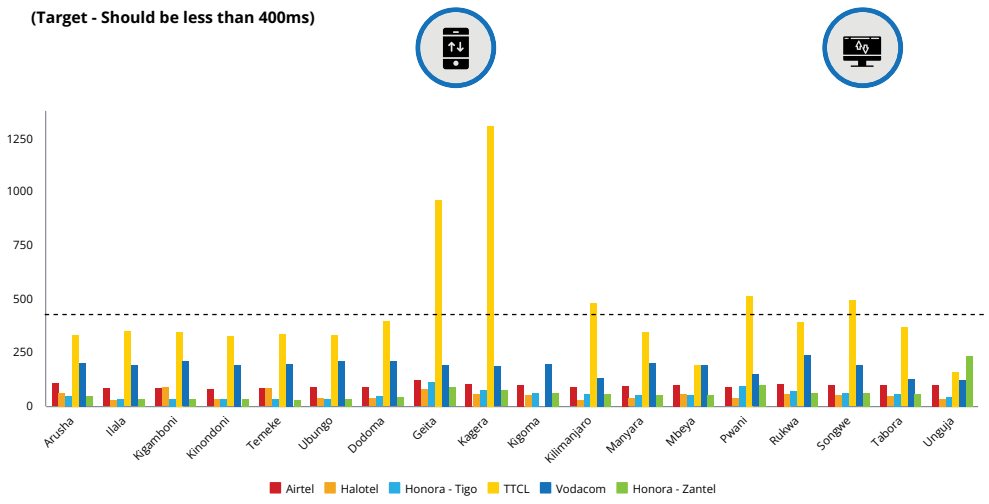


6.1.11 Ping Round Trip Time

Ping Round Trip Time measures the user equipment's duration to send a request and receive a response from the server. The threshold for compliance is average, being less than 400 ms.

Airtel, Halotel, Honora-Tigo, Vodacom and Honora-Zantel passed the target in all twenty measured service areas, while TTCL passed the target in fifteen service areas, as shown in Chart 6.1.11.

Chart 6.1.11 Comparative results on Ping Round Trip Time

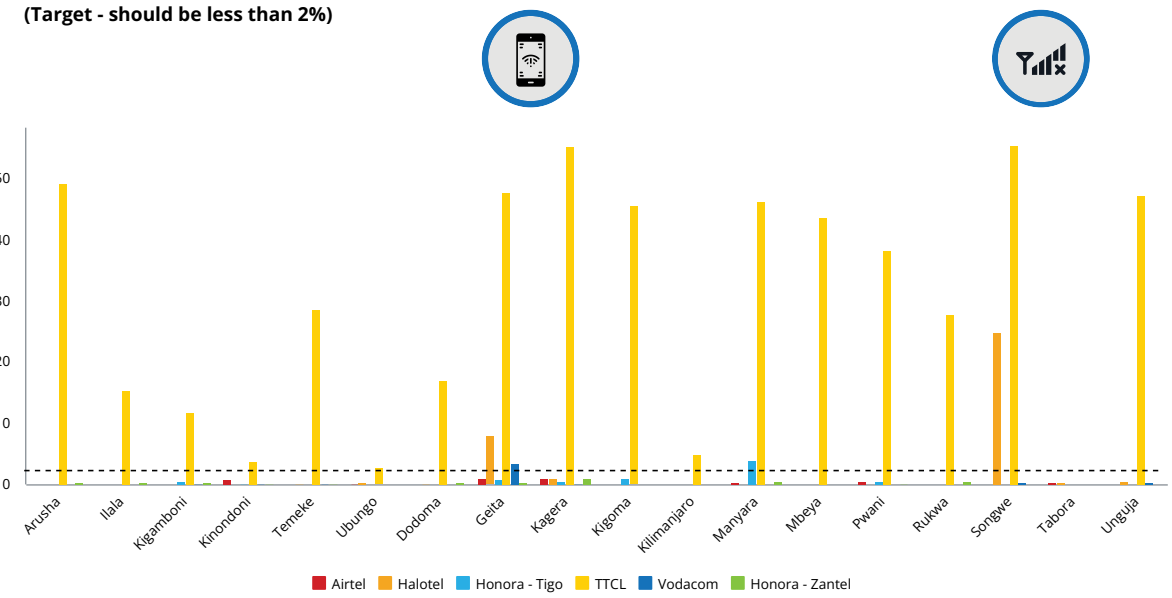


6.1.12 Attach Failure Ratio

Attach Failure Ratio refers to the percentage of failures when a mobile phone fails to connect to the network when powered ON or flight mode is turned OFF. The threshold for compliance is less than 2%.

Vodacom, Honora-Tigo, Honora-Zantel and Airtel passed the target in all twenty measured service areas. Halotel passed the target in eighteen service areas, while TTCL passed the target in five service areas, as shown in Chart 6.1.12.

Chart 6.1.12 Comparative results on Attach Failure Ratio

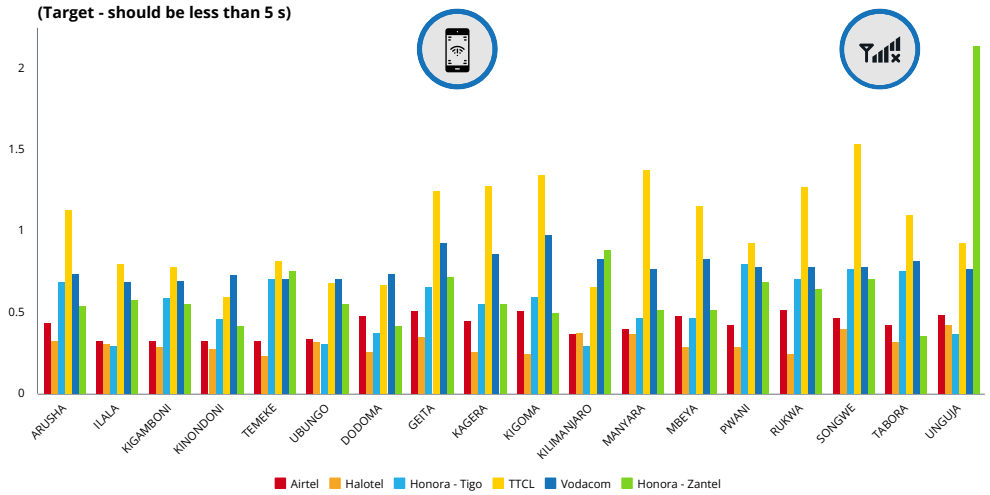


6.1.13 Attach setup time

Attach Setup Time refers to the time a mobile phone takes to connect to the network when powered ON or flight mode turned OFF. The threshold for compliance is less than 5 seconds.

Airtel, Halotel, Honora-Tigo, TTCL, Vodacom and Honora-Zantel passed the target in all twenty measured service areas, as shown in Chart 6.1.13.

Chart 6.1.13 Comparative results on Attach setup time

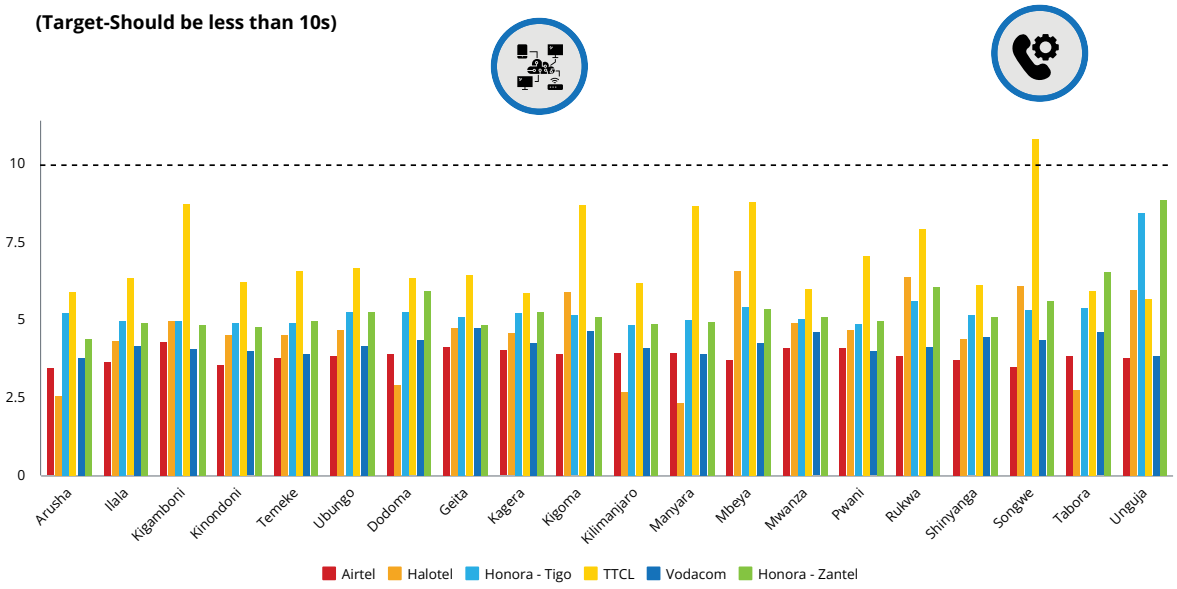


6.1.14 Call setup time

This is a measure of time taken for a call to connect after dialling. The threshold for compliance is less than 10 seconds.

Airtel, Halotel, Honora-Tigo, Vodacom and Honora-Zantel passed target in all seventeen (17) measured service areas while TTCL failed to reach the target in two service areas as shown in Figure 6.1.14.

Chart 6.1.14 Comparative results on Call setup time



The general quality of service results from October to December 2023 indicates that Honora-Zantel scored 98.57%, Halotel 90.18%, Honora-Tigo 98.59%, Vodacom 96.86%, Airtel 95.1%, and TTCL scored 67.02% in performance, as shown in Table 6.1.

Table 6.1. Summary score of the quality of service parameters per operator.

S/N	Licenses	Total KPIs instance	Number of KPIs instance pass	Failed Instances	Performance score
1	Honora Tanzania PLC - Tigo	283	279	4	98.59%
2	Honora Tanzania PLC - Zantel	280	276	4	98.57%
3	Vodacom Tanzania PLC	287	278	9	96.86%
4	Airtel Tanzania Limited	286	272	14	95.10%
5	Viettel Tanzania PLC	285	257	28	90.18%
6	Tanzania Telecommunication Corporation	285	191	94	67.02%

The overall compliance of the MNOs has increased, with the majority of the MNOs passing more than 90% of the measured KPIs.

6.2 Fraudulent attempts

Table 6.2 shows fraudulent attempts per region per operator. Rukwa has been recorded as leading in fraud among the regions in Tanzania. By operator, Vodacom has recorded the highest fraudulent attempts compared to other MNOs.

Table 6.2 Fraudulent attempts per mobile network operator in each region.

Region	Airtel	Halotel	Tigo	TTCL	Vodacom	Total
Rukwa	3767	202	1560	1269	868	7666
Morogoro	932	85	4679	16	1459	7171
Dar es Salaam	1066	22	438	53	138	1717
Mbeya	603	64	374	359	149	1549
Tabora	11	77	30	455	17	590
Songwe	-	29	5	294	-	328
Mwanza	37	8	122	12	50	229
Kilimanjaro	11	2	152	9	5	179
Dodoma	5	37	89	32	7	170
Katavi	-	38	12	41	61	152
Arusha	35	1	85	12	5	138
Kagera	12	2	81	8	30	133
Mjini Magharibi	1	3	92	4	2	102
Tanga	9	5	75	12	3	104
Pwani	7	7	60	4	9	87
Iringa	4	2	52	11	11	80
Ruvuma	1	4	41	18	5	69
Shinyanga	14	7	27	3	16	67
Singida	-	1	35	18	10	64
Geita	-	7	28	8	4	47
Manyara	3	1	29	11	-	44
Simiyu	-	-	12	24	-	36
Kigoma	1	8	18	2	6	35
Mara	1	2	12	7	11	33
Lindi	1	-	18	8	2	29
Njombe	-	1	11	8	8	28
Mtwara	-	1	19	2	-	22
Kusini Pemba	-	-	2	4	-	6
Kaskazini Pemba	-	-	5	-	-	5
Total	**6,580**	**616**	**8,163**	**2,704**	**2,876**	**21,788**

The percentage distribution of fraudulent attempts per operator, and per region are shown in Chart 6.2.1 and 6.2.2.

Chart 6.2.1. Fraudulent attempts per operators.

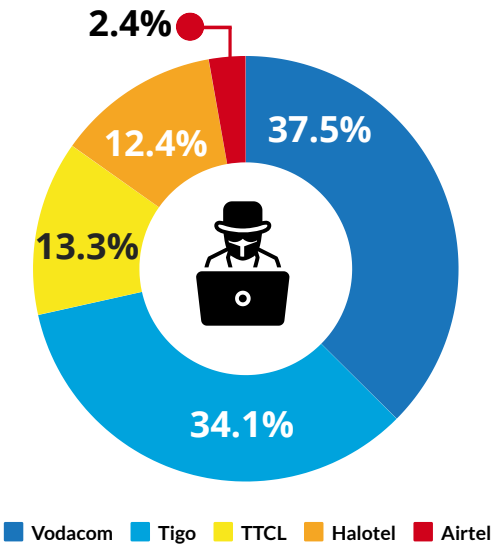
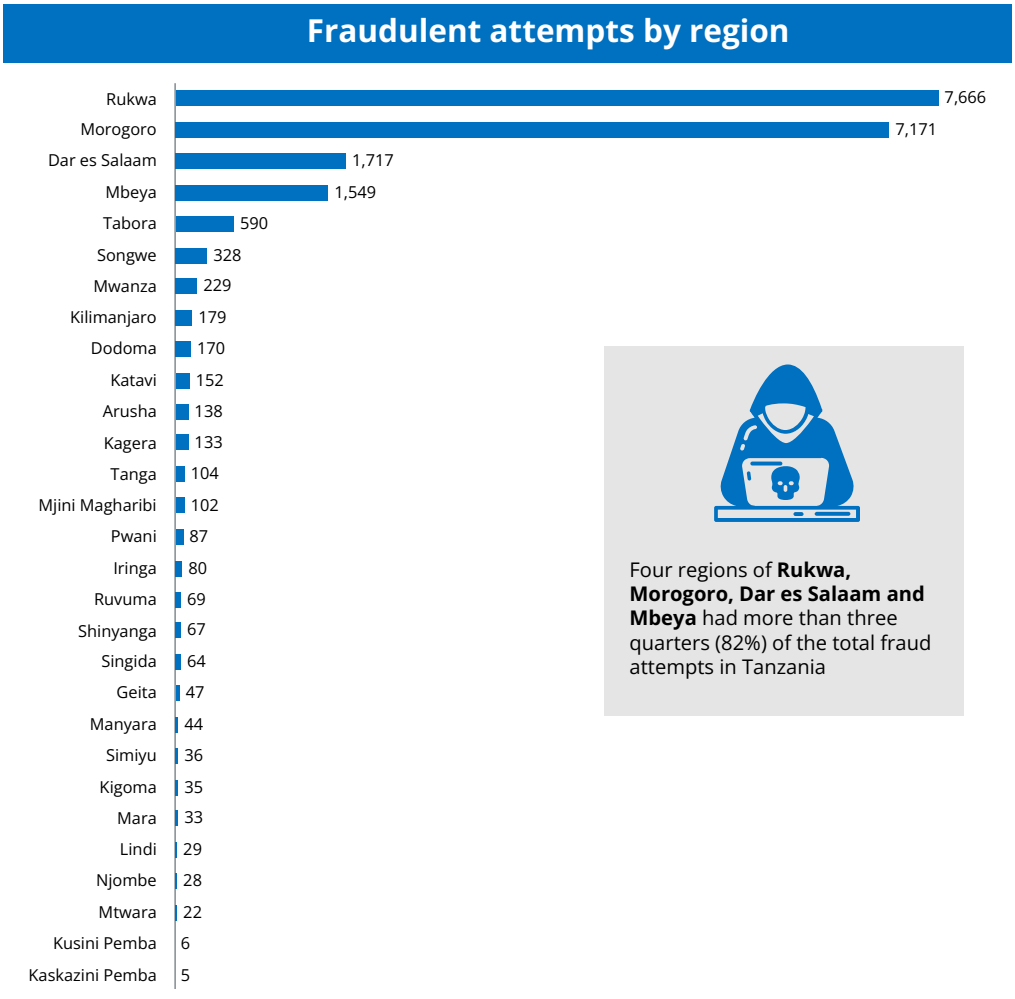


Chart 6.2.2 Distribution of fraudulent attempts per region in the quarter ending December 2023.



Four regions of **Rukwa, Morogoro, Dar es Salaam and Mbeya** had more than three quarters (82%) of the total fraud attempts in Tanzania

7. Country Code Top Level Domains

A domain name refers to a unique identifier for Internet resources, such as websites, which are registered as second-level and/or third-level domains under the DotTZ Country Code Top-Level Domain (ccTLD).

TCRA is the sponsoring entity authorized by the Internet Corporation for Assigned Names and Numbers (ICANN) to administer and manage the DotTZ domain name registry. The management of this registry is governed by the Electronic and Postal Communications (Domain Name Management) Regulations, 2020, along with its subsequent amendments.

Registries across the globe have adopted a 3R model (Registry, Registrar, and Registrant), where registries and registrars work together in day-to-day operations to serve the needs of registrants. The DotTZ registry, like its global counterparts, relies on accredited registrars to register domains on its behalf. These accredited registrars are the primary and sole distribution channel for DotTZ domain names and are considered strategic partners of the registry. They provide valuable services that sell and enhance the utility of domain names.

According to Table 7.1, the total cumulative number of registered domain names increased from 28,601 at the end of September 2023 to 29,006 by the end of December 2023.

Table 7.1. Number of domain names as of December 2023.

S/N	ZONES	NUMBER OF DOMAIN NAMES AS OF JUNE 2023	NUMBER OF DOMAIN NAMES AS OF SEPTEMBER 2023	NUMBER OF DOMAIN NAMES AS OF DECEMBER 2023
1	co.tz	22,204	22,677	22,913
2	or.tz	2,353	2,440	2,458
3	ac.tz	999	993	1,028
4	go.tz	871	879	883
5	.tz	1,343	1,318	1,424
6	sc.tz	231	228	236
7	ne.tz	37	31	34
8	me.tz	12	12	10
9	info.tz	6	5	4
10	hotel.tz	4	4	3
11	Mobi.tz	5	5	5
12	tv.tz	7	5	4
13	mil.tz	4	4	4
	TOTAL	28,076	28,601	29,006

8. Statistics on Number of Licenses and Certificates

8.1 Licenses

Telecommunication and Internet	
Category	**Number**
Network Facilities Licences	36
Network Services Licences	17
Application Services Licences	146
Aircraft Stations	163
Amateur Stations	18
Fixed VSAT Terminals	47
Mobile VSAT Terminals	2
Satellite Ground Earth Stations	1
Ship Stations	45
HF Radio Stations	22
VHF- UHF Radio Repeaters	2
VHF - UHF Radio Station with Pair of Frequency	122
VHF - UHF Radio Station with Single Frequency	202
Numbering	533
Broadcasting	
Category	**Number**
National Content Television (FTA) Licences	17
District Content Television (FTA) Licences	20
National Content Radio Licences	13
Regional Content Radio Licences	32
District Content Radio Licences	165
Community Radios	11
Community Televisions	-
National Content Televisions by Subscription	10
District Content Televisions by Subscription	2
National Content (support services)	3
Online Content Aggregators	3
Weblogs (Blogs)	60
Online Radios	6
Online Televisions	220
Cable Televisions	56
Postal and Courier	
Category	**Number**
International Courier	6
East Africa Courier	1
Intercity Transporters	50
Intracity Courier	14
Public Postal	1
Domestic Courier	45

8.2 Certificates

Category	Number
Global Maritime Distress and Safety Systems	103
Type Approval	2175
Registration for Satellite Mobile Phones	4

9. Conclusion

The communication statistics delineated herein reflect increase in subscription and utilization of communication services, alongside vigorous competition among industry participants. This dynamic has precipitated a marked reduction in retail service tariffs in this quarter relative to the preceding one. Additionally, the sector has witnessed a commendable surge in smartphone penetration, alongside an expansion in the population and geographical reach of 3G and 4G services. Such advancements are laying a robust foundation for continued growth within the communication sector and are instrumental in propelling the digital economy forward.

Mawasiliano Towers,
20 Sam Nujoma Road,
14414 Dar es Salaam, Tanzania.
Email: dg@tcra.go.tz

@tcra_tanzania