



**Tanzania Communications
Regulatory Authority**

Communications Statistics Report

Quarter ending December 2024

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ISO9001:2015 CERTIFIED

Version 1.0

About this report

This report presents the communication statistics for the second quarter of the financial year 2024/2025. The report provides statistics on telecommunication and Internet, broadcasting, postal and courier services.

The statistics reported are in line with the International Telecommunications Union (ITU) standards for collecting and reporting administrative/supply-side data on telecommunications/ICT services.

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Communication Statistics Snapshot



Telecommunication
subscriptions

86.8 M



Penetration rate

Internet
subscriptions

48.0 M



42.5 B

Incoming International voice traffic



Local voice traffic



37.3 M

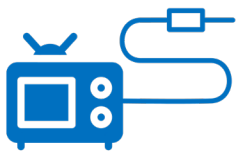
617 PB



Internet usage

Active decoders subscription

2.1M



16.8K

Cable TV subscription

472,216

Posted
items

63,994



480,757

Delivered
items

93,527



Broadband population coverage

91%

3G

20%

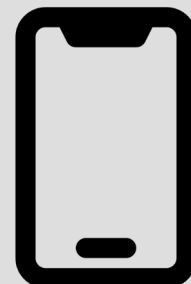
5G

4G

88%



Smartphone



23 M



Penetration rate

Chapter 01

Telecommunications and Internet Services



1. Telecommunication and Internet Services

This chapter provides status on subscriptions, traffic, tariffs, user devices, Quality of Services, mobile money, fraudulent attempts, telecom towers, radio base station distribution, domain names and licensees on a monthly and quarterly basis.

1.1. Telecom subscriptions

A count of all active SIM cards and fixed lines that have registered activity or have been used at least once in the past three months.

The total number of subscriptions increased by 7.7% from 80.7 million during the quarter ending September 2024 to 86.8 million subscriptions as of December 2024.

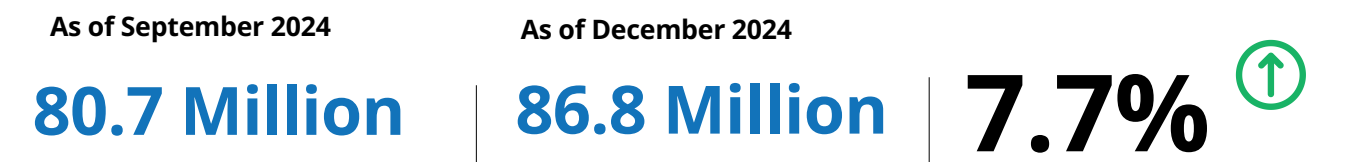


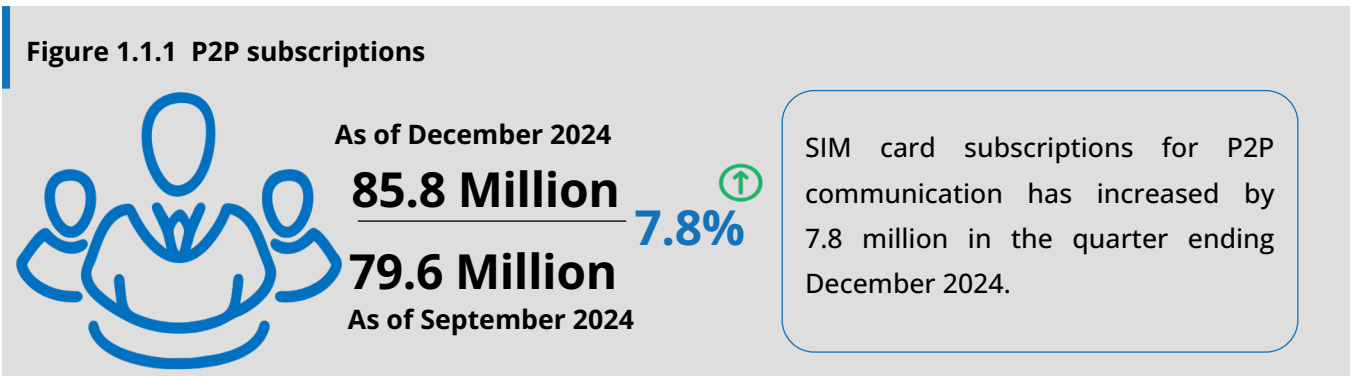
Table 1.1 shows the total number of mobile and fixed subscriptions for the quarter ending December.

Table 1.1 Mobile (P2P & M2M) and fixed subscriptions

Month	Mobile subscriptions	Fixed subscriptions	TOTAL
October	81,937,425	78,134	82,015,559
November	84,253,866	78,513	84,332,379
December	86,769,161	78,299	86,847,460

SIM card subscriptions are categorized for Person to Person (P2P) and for Machine to Machine (M2M).

1.1.1 P2P subscriptions



SIM card subscriptions for P2P per operator in the quarter ending September 2024 are shown in Table 1.1.1.

Table 1.1.1 Number of P2P subscriptions per operator

Month	Airtel	Halotel	Yas	TTCL	Vodacom	TOTAL
October	19,592,918	11,340,364	24,082,694	1,601,775	24,416,163	81,033,914
November	19,835,221	11,779,672	24,716,983	1,621,942	25,323,277	83,277,095
December	20,061,071	12,371,713	25,419,851	1,655,861	26,327,611	85,836,107

1.1.2 M2M subscriptions

Figure 1.1.2 M2M subscriptions

SIM card subscriptions for M2M has decreased by 4,467 in the quarter ending December 2024.

As of December 2024

1.01 Million

0.4%

1.02 Million

As of September 2024

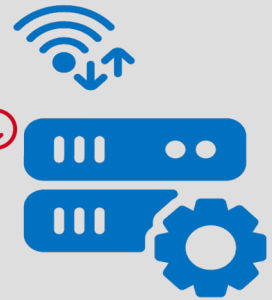


Table 1.1.2 shows SIM cards subscribed for M2M communications per operator for the quarter ending December 2024.

Table 1.1.2 Number of M2M subscriptions per operator

Month	Airtel	Halotel	Yas	TTCL	Vodacom	TOTAL
October	335,891	60,903	46,521	4,501	533,829	981,645
November	339,039	71,709	47,435	4,501	546,079	1,008,763
December	339,301	73,059	48,870	4,450	545,673	1,011,353

1.1.3 Operators' subscriptions market share

Chart 1.1.3a and 1.1.3b show the telecom market share by subscriptions per operator.

For P2P, Vodacom was leading the market (31%) followed by Yas (30%) and Airtel (23%). For M2M, Vodacom was leading the market with more than half (54.0%) of all M2M subscriptions, as shown in Chart 1.1.3b. Airtel ranks second with 33.5%, followed by Halotel with 7.2%.

Chart 1.1.3a Operators' market share by subscriptions for P2P

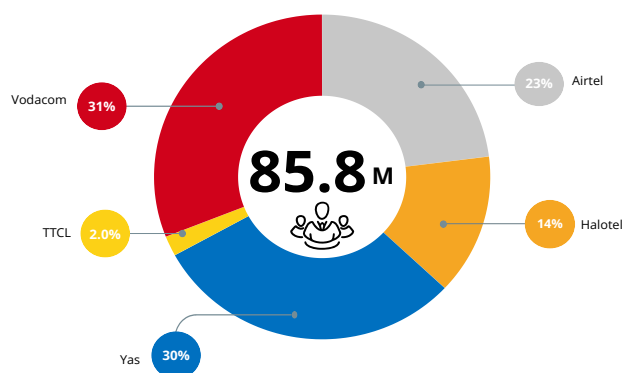
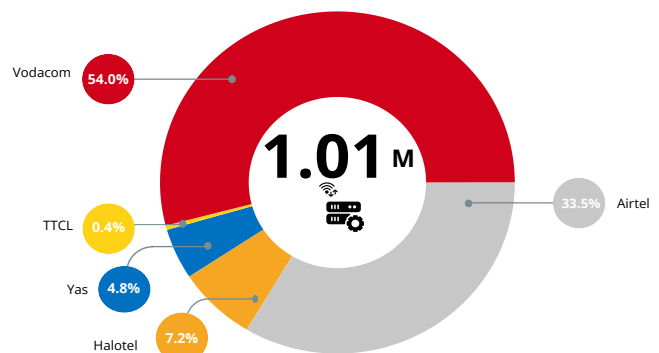


Chart 1.1.3b Operators' market share by M2M subscriptions



1.1.4 Telecom services subscriptions by gender and region

Figure 1.1.4 Telecom services subscriptions by gender



44,639,594
51.4%

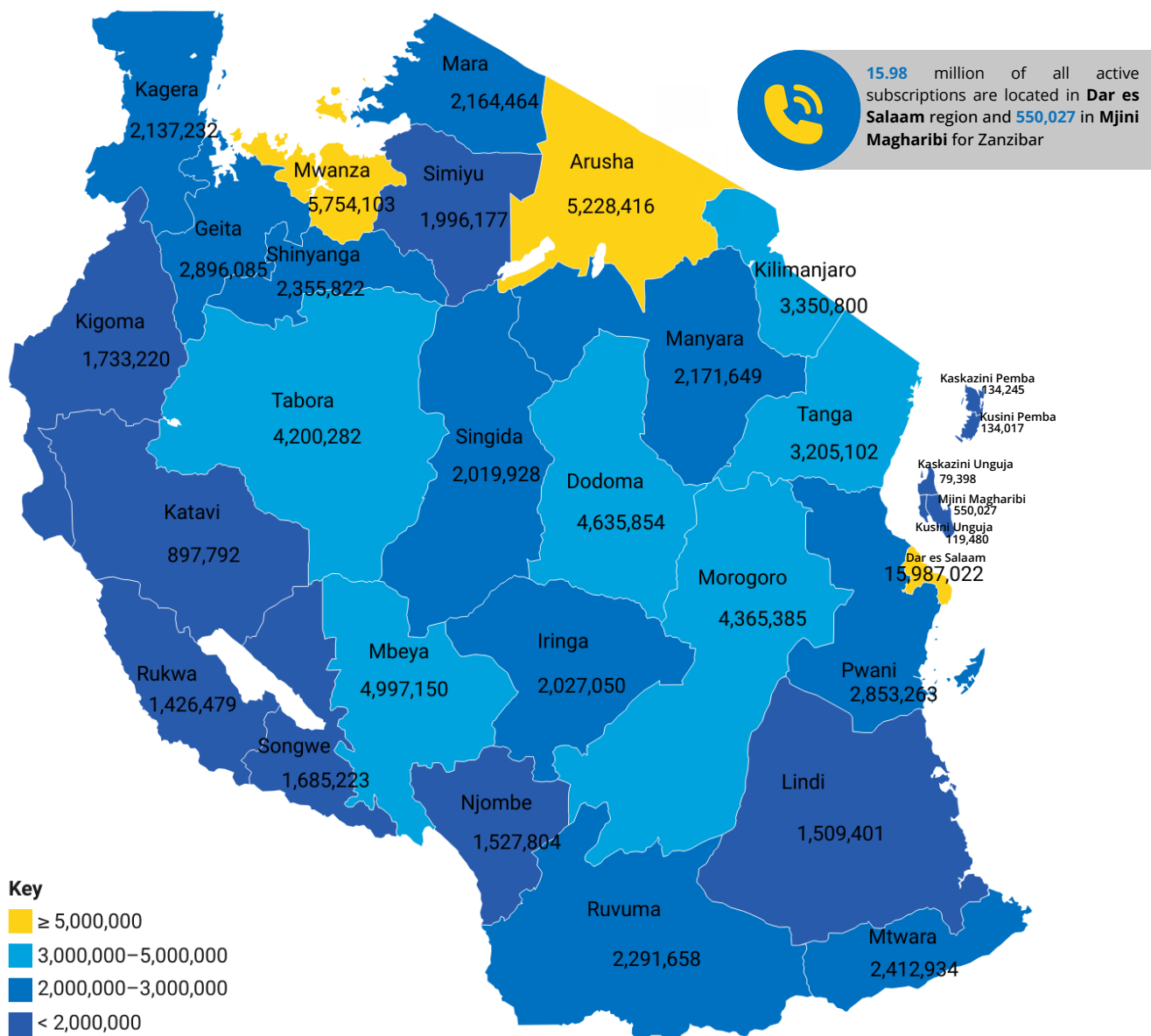


42,207,866
48.6%

The distribution of telecom subscriptions per region is depicted in map 1.1.4 during the quarter under review, Dar es Salaam ranked first by having 15.98 million of all active subscriptions, Mwanza ranked second with 5.75 million subscriptions, Arusha ranked third with 5.23 million subscriptions, Mbeya ranked fourth with 4.99 million subscriptions, and Dodoma ranked fifth by having 4.64 million of all active subscriptions.

Regions with the lowest contribution to the country's total subscriptions are Kaskazini Unguja 79,398 subscriptions, Kusini Unguja 119,480 subscriptions, and Kusini Pemba 134,017 subscriptions.

Map 1.1.4 Telecom services subscriptions by region



1.1.5 Trend of telecom subscriptions

The quarterly and annual trends of telecom subscriptions is as shown in Table 1.1.5a and 1.1.5b.

Table 1.1.5a Quarterly trend of telecom subscriptions

	March 2024	June 2024	September 2024	December 2024
Mobile Subscriptions	72,418,634	76,535,958	80,583,993	86,769,161
Fixed Subscriptions	77,461	80,164	78,048	78,299
Total Subscriptions	72,496,095	76,616,122	80,662,041	86,847,460
PENETRATION	112%	116%	124%	133%

Table 1.1.5b Trend of telecom subscriptions for the past five years

	2020	2021	2022	2023	2024
Mobile Subscriptions	51,220,233	54,044,384	60,192,331	70,215,144	86,769,161
Fixed Subscriptions	72,469	71,834	84,696	75,732	78,299
Total Subscriptions	51,292,702	54,118,218	60,277,027	70,290,876	86,847,460
PENETRATION	81%	88%	98%	111%	133%

1.2 Telecommunication tariffs

This section presents average basic and bundle tariffs (Tax inclusive) for voice, SMS and data services, for local, East Africa (EA) and Rest of the World (RoW).

1.2.1 Basic tariff (Pay as You Go)

Basic tariffs are the prices charged for voice, SMS and data services without subscribing to a bundle. They are also known as Pay as You Go or standard tariffs.

Figure 1.2.1 Basic tariff (Pay as You Go) change

On Net		26.00	26.00	0%
Off Net		28.00	28.00	0%
Local SMS		7.80	7.80	0%
International SMS		189.61	189.61	0%
East Africa		696.68	597.40	-14.3%
Rest of the World		1,948.22	2,016.70	3.5%
Data		9.35	9.35	0%

As shown in the summary above, while on-net, off-net, data, and local and international SMS tariffs remained unchanged, there was a decrease in EA voice tariffs by 14.3% and an increase in RoW voice tariffs by 3.5%.

1.2.1.1 Voice tariffs (in TZS)

The voice tariffs for the quarter ending December 2024 for local and international services per operator are shown in Table 1.2.1.1. These are one-minute voice charges when a consumer makes a local or international call without subscribing to a bundle.

Table 1.2.1.1 Local, EA and RoW voice tariffs (in TZS) per operator

Operator	On-net	Off-net	EA	RoW
Airtel	30.00	30.00	614.40	1,426.60
Halotel	10.00	20.00	875.00	1,565.00
Yas	30.00	30.00	1,030.00	1,673.33
TTCL	30.00	30.00	217.60	2,871.33
Vodacom	30.00	30.00	250.00	2,547.22
Industry Average	26.00	28.00	597.40	2,016.70

Table 1.2.1.1 shows no difference in charges when calling within and outside the network. All operators charged TZS 30 per minute, except Halotel who charged TZS 10 (on-net) and TZS 20 (off-net) per minute.

The industry average for local voice tariff in the quarter ending December 2024 remained the same at TZS 26 and TZS 28 per minute for on-net and off-net respectively, as in quarter ending September 2024.

Table 1.2.1.1 further shows that RoW voice tariffs differ across networks, unlike local tariffs with the exception of Halotel. The industry average rate for voice tariff per minute EA and RoW are TZS 597.40 and 2,016.70 respectively.

1.2.1.2 SMS and data tariffs (in TZS)

The Pay as You Go tariffs (Tax inclusive) for SMS and data as of December 2024 are shown in Table 1.2.1.2.

Table 1.2.1.2 SMS and Data tariffs (in TZS)

Operator	Local SMS	International SMS	Data (in TZS per MB)
Airtel	8.00	215.00	9.35
Halotel	5.00	95.00	9.35
Yas	8.00	215.00	9.35
TTCL	10.00	138.06	9.35
Vodacom	8.00	285.00	9.35
Industry Average	7.80	189.61	9.35

The industry average tariffs for the local SMS (TZS 7.80), data (TZS 9.35) and international SMS (TZS 189.61) for December 2024 have remained the same as in the quarter ending September 2024.

1.2.2 Disaggregated Bundle tariffs (in TZS)

The disaggregated bundle tariffs per unit prices (Tax inclusive) of voice, SMS and data (MB) for consumers subscribed to bundled telecommunication services are shown in Table 1.2.2a.

Table 1.2.2a Disaggregated bundle tariffs (in TZS)

Period	On-net	Off-net	SMS	Data
Jul- Sept 2024	4.75	6.34	1.47	2.17
Oct- Dec 2024	4.79	6.27	1.57	2.16
Change %	0.82%	-1.04%	10%	-0.61%

The above summary indicates that unit bundle tariffs have changed at different rates for the quarter ending December 2024 compared to the quarter ending September 2024 as shown in Table 1.2.2a.

The tariffs for the quarter ending December 2024 per operator is as shown in Table 1.2.2b

Table 1.2.2b Disaggregated bundle tariffs (in TZS) per operator

Operator	On-Net	Off-Net	SMS	Data
Airtel	4.39	7.82	1.68	2.05
Halotel	3.02	4.76	1.00	2.16
Yas	4.66	5.44	1.19	2.06
TTCL	7.33	7.33	2.28	2.26
Vodacom	4.55	6.03	1.71	2.27
Industry average	4.79	6.27	1.57	2.16

1.2.3 Industry average tariffs (in TZS)

The industry average basic and bundle tariffs for telecommunications services for the quarter ending December 2024 are shown in Table 1.2.3.

Table 1.2.3 Industry average for basic and bundle tariffs (in TZS)

	On-Net	Off-Net	SMS	Data
Average basic tariff	26.00	28.00	7.80	9.35
Average bundle tariff	4.79	6.27	1.57	2.16

It is shown that average tariffs for all Pay as You Go are five times greater compared to bundle unit tariffs, hence attracting majority of users (99.9%) to subscribe to bundle services.

1.2.4 Trend of industry average basic tariffs (in TZS)

The quarterly and annual trend of domestic and international industry average basic tariffs for voice calls are shown in Table 1.2.4a, 1.2.4b, 1.2.4c, 1.2.4d, 1.2.4e, 1.2.4f, 1.2.4g and 1.2.4h.

Table 1.2.4a Quarterly trend of average basic local tariffs per minute in TZS

	March - 24	Jun - 24	Sept - 24	Dec - 24
On-net	26.00	26.00	26.00	26.00
Off-net	28.00	28.00	28.00	28.00

Table 1.2.4b Trend of average basic local tariffs per minute in TZS over the past five years

	2020	2021	2022	2023	2024
On-net	57.00	34.00	32.00	29.00	26.00
Off-net	57.00	34.00	32.00	30.00	28.00

Table 1.2.4c Quarterly trend of average basic international tariffs (in TZS) per minute

	March - 24	Jun - 24	Sept - 24	Dec - 24
EA	727.80	713.16	696.68	597.40
RoW	1,899.00	1,869.45	1,948.22	2,016.70

Table 1.2.4d Trend of average basic international tariffs (in TZS) per minute over the past five years

	2020	2021	2022	2023	2024
EA	830.00	966.00	1,103.00	1,171.00	684.00
RoW	1,379.00	1,564.00	1,817.00	1,776.00	2,055.00

Table 1.2.4e Quarterly trend of average basic local and international SMS tariffs in TZS

	March - 24	Jun - 24	Sept - 24	Dec - 24
Local SMS	7.80	7.80	7.80	7.80
International SMS	189.60	189.60	189.60	189.61

Table 1.2.4f Trend of average basic local and international SMS tariffs in TZS over the past five years

	2020	2021	2022	2023	2024
Local SMS	20.00	13.00	11.00	11.00	7.80
International SMS	176.00	172.00	193.00	200.00	189.61

Table 1.2.4g Quarterly trend of average bundle tariffs in TZS

	March - 24	Jun - 24	Sept - 24	Dec - 24
On-net	4.50	4.66	4.75	4.79
Off-net	6.07	6.18	6.34	6.27
SMS	1.37	1.42	1.47	1.57
Data	2.17	2.16	2.17	2.16

Table 1.2.4h Trend of average bundle tariffs in TZS over the past five years

	2020	2021	2022	2023	2024
On-net	9.38	7.84	7.27	4.90	4.68
Off-net	11.21	8.69	7.78	6.30	6.22
SMS	3.45	3.35	2.69	1.37	1.46
Data	1.73	1.61	1.86	2.14	2.17

1.3 Telecom traffic

This section presents local and international telecom traffic volume for voice and SMS.

1.3.1 Voice traffic

1.3.1.1 Local voice traffic (in minutes)

The local on-net and off-net voice traffic for the quarter ending September 2024 and December 2024 are summarised below.

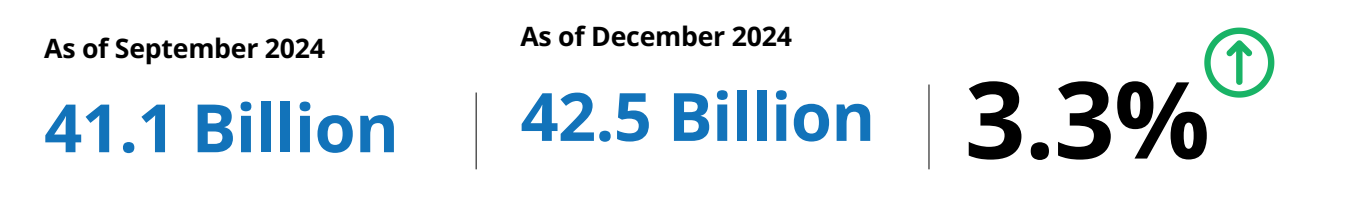


Figure 1.3.1.1 Local voice traffic in minutes			
	Quarter ending September 2024	Quarter ending December 2024	Change
On Net	21.1 Billion	21.0 Billion	-0.5% ▼
Off Net	20.0 Billion	21.5 Billion	7.3% ▲

Table 1.3.1.1a shows that around 42.5 billion minutes were spent in the quarter ending December 2024 compared to 41.1 billion minutes spent in the quarter ending September 2024. Further, December had the highest traffic compared to other months of the quarter. The quarterly trend of local voice traffic in minutes is also shown in Table 1.3.1.1b and 1.3.1.1c

Table 1.3.1.1a On-net and off-net voice traffic (in minutes)

	October	November	December	Total
On-net	7,195,009,769	6,729,276,557	7,065,895,010	20,990,181,336
Off-net	7,173,195,427	7,009,966,097	7,304,796,308	21,487,957,832
Total	14,368,205,196	13,739,242,654	14,370,691,318	42,478,139,168

The traffic minutes share per operator for on-net and off-net traffic calls shown in Chart 1.3.1.1a and Chart 1.3.1.1b indicate that more on-net and off-net traffic were generated in the Airtel network (38.2% and 29.0%, respectively).

Chart 1.3.1.1a Shares of on-net traffic by operator

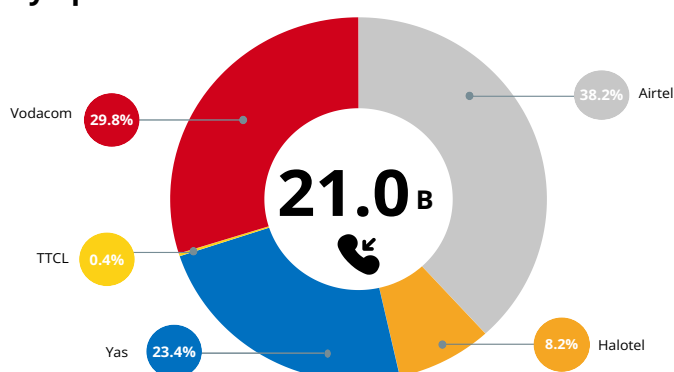


Chart 1.3.1.1b Shares of off-net traffic by operator

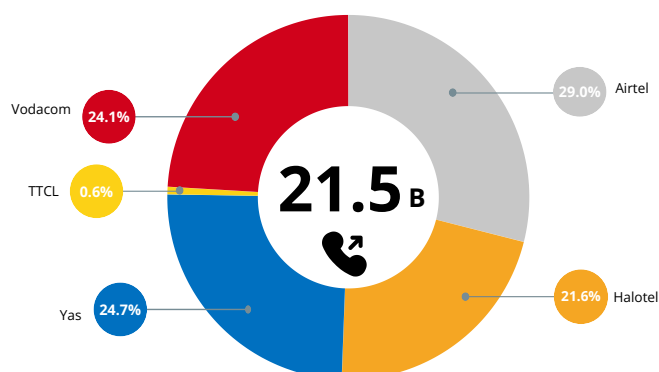


Table 1.3.1.1b Quarterly trend of local voice traffic in minutes

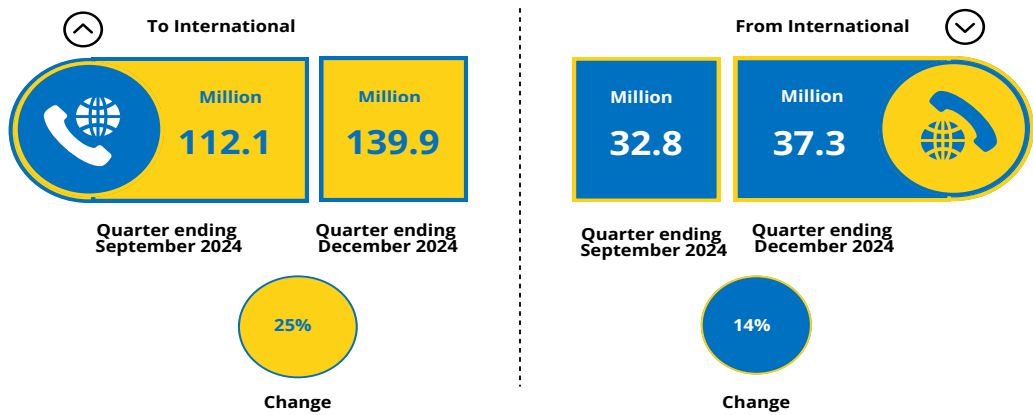
	March - 24	Jun - 24	Sept - 24	Dec - 24
On-net traffic	18,493,328,620	21,344,770,781	21,088,541,912	20,990,181,336
Off-net traffic	16,470,309,864	18,224,300,276	20,033,335,066	21,487,957,832
Total	34,963,638,484	39,569,071,057	41,121,876,978	42,478,139,168

Table 1.3.1.1c Trend of local voice traffic in minutes for the past five years

	2020	2021	2022	2023	2024
On-net Traffic	54,561,254,851	51,673,651,476	62,678,814,642	77,770,241,513	81,916,822,649
Off-net Traffic	27,084,539,242	43,194,917,029	60,064,367,493	67,100,445,506	76,215,903,038
Total	81,645,794,093	94,868,568,505	122,743,182,135	144,870,687,019	158,132,725,687

1.3.1.2 International voice traffic

The voice traffic in minutes to/from international are summarised below.



The summary shows an increase in traffic minutes to and from international in this quarter. The traffic minutes to international increased by 25%. Moreover, there was an increase of 14% in traffic minutes from from international. This result shows that subscribers originated more calls to international than received from international in this quarter.

Total traffic to/from East Africa (EA) and Rest of the World (RoW) for the quarter ending December 2024 is summarized in Table 1.3.1.2a. The trend of internal voice traffic is also shown in table 1.3.1.2b and 1.3.1.2c

Table 1.3.1.2a Total traffic (in minutes) to/from East Africa (EA) and Rest of the World (RoW) for the quarter ending December 2024

	October	November	December	Total
To East Africa	40,897,298	39,373,516	44,212,977	124,483,791
From East Africa	10,454,047	10,374,892	9,859,129	30,688,068
To the Rest of the World	2,016,388	1,867,122	1,392,882	5,276,392
From the Rest of the World	2,157,484	2,220,872	2,264,476	6,642,832

Share of voice traffic to/from EA and RoW are shown in Chart 1.3.1.2a and 1.3.1.2b respectively

Chart 1.3.1.2a Share of voice traffic to/from EA

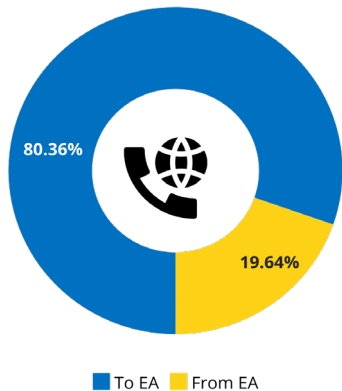


Chart 1.3.1.2b Share of voice traffic to/from RoW

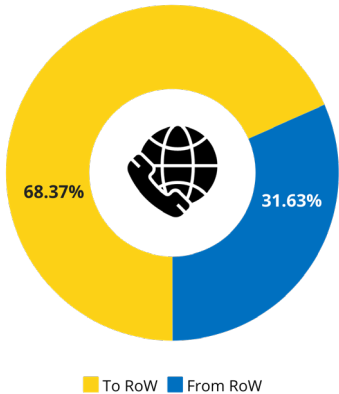


Table 1.3.1.2b Quarterly trend of EA and RoW voice traffic in minutes

	Mar - 24	Jun - 24	Sept - 24	Dec - 24
To EA	65,842,203	71,779,120	101,188,767	124,483,791
From EA	24,421,366	26,759,182	26,794,839	30,688,068
To RoW	10,211,867	9,905,171	10,900,864	5,276,392
From RoW	6,034,528	6,148,575	6,032,139	6,642,832

Table 1.3.1.2c Annual trend of EA and RoW voice traffic in minutes

	2020	2021	2022	2023	2024
To EA	9,738,521	9,097,165	8,927,113	95,473,684	363,293,881
From EA	15,406,649	15,853,362	13,594,473	34,994,641	108,663,455
To RoW	38,014,133	24,856,947	26,034,131	19,510,999	36,294,294
From RoW	45,172,263	49,885,142	33,374,619	23,681,940	24,858,074

1.3.2 SMS traffic

1.3.2.1 Local SMS traffic

The summary of SMS traffic for the quarter ending September 2024 and December 2024 is shown

As of September 2024

47.6 Billion

As of December 2024

52.9 Billion

11% 

The summary shows an increase in SMS traffic by 11% in the quarter ending December 2024.

Quarter	Onnet SMS	Offnet SMS	Total
July- September 2024	20.2 Billion	27.4 Billion	47.6 Billion
October - December 2024	22.2 Billion	30.6 Billion	52.9 Billion
Change	10%	12%	11%

The local SMS traffic for the quarter ending December 2024 is detailed in Table 1.3.2.1a below.

Table 1.3.2.1a Local SMS traffic

	October	November	December	Total
On-Net SMS	7,115,791,516	7,147,296,226	7,983,200,491	22,246,288,233
Off-Net SMS	9,715,029,143	9,728,014,930	11,201,131,635	30,644,175,708
Total	16,830,820,659	16,875,311,156	19,184,332,126	52,890,463,941

Table 1.3.2.1a shows that the month of December experienced the highest traffic compared to October and November.

The quarterly and annual trend of local SMS is as shown in Table 1.3.2.1b and 1.3.2.1c

Table 1.3.2.1b Quarterly trend of local SMS traffic

	March - 24	Jun - 24	Sept - 24	Dec - 24
On-net SMS traffic	20,852,771,701	21,587,689,900	20,222,806,831	22,246,288,233
Off-net SMS traffic	29,556,948,884	29,252,487,925	27,374,852,630	30,644,175,708
Total	50,409,720,585	50,840,177,825	47,597,659,461	52,890,463,941

Table 1.3.2.1c The trend of local SMS traffic in the past five years

	2020	2021	2022	2023	2024
On-net SMS	61,971,569,487	58,875,779,663	65,358,270,089	84,818,793,761	84,909,556,665
Off-net SMS	71,072,186,913	78,200,512,436	88,154,239,625	121,727,776,013	116,828,465,147
Total	133,043,756,400	137,076,292,099	153,512,509,714	206,546,569,774	201,738,021,812

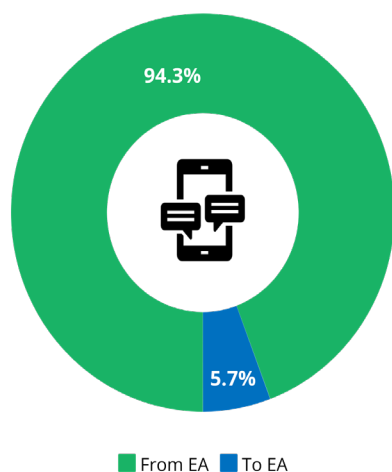
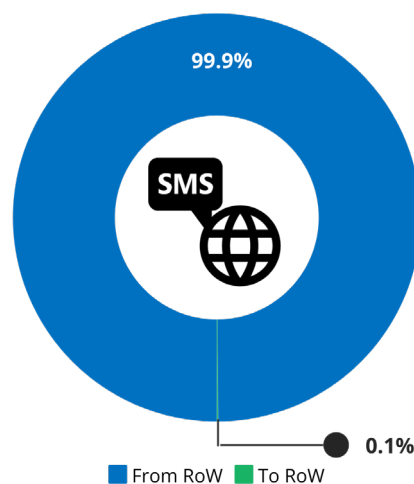
1.3.2.2 EA and RoW SMS traffic

The summary of EA and RoW SMS traffic for the quarter ending December 2024 is shown in table 1.3.2.2a.

Table 1.3.2.2a EA and RoW SMS traffic

	October	November	December	Total
To East Africa	154,042	155,066	185,343	494,451
From East Africa	2,450,535	2,653,484	3,043,500	8,147,519
To the Rest of the World	509,900	480,223	541,788	1,531,911
From the Rest of the World	525,227,010	517,834,529	505,569,662	1,548,631,201

It is shown in Table 1.3.2.2 that more SMS were received than sent to RoW. Further, more SMS traffic were received from EA than sent to EA. The proportions of SMS sent and received are shown in Chart 1.3.2.2a and 1.3.2.2b.

Chart 1.3.2.2a Percentage share of SMS traffic to/from EA**Chart 1.3.2.2b Percentage share of SMS traffic to/from RoW**

The quarterly and annual trend of EA and RoW SMS are shown in Table 1.3.2.2b and 1.3.2.2c.

Table 1.3.2.2b Quarterly trend of EA and RoW SMS traffic

	Mar - 24	Jun - 24	Sept - 24	Dec - 24
Outgoing to EA	451,974	472,649	477,221	494,451
Incoming from EA	9,027,500	24,041,840	8,083,034	8,147,519
outgoing to RoW	1,390,335	1,651,119	1,131,776	1,531,911
Incoming from RoW	1,528,370,648	1,356,131,716	1,365,055,223	1,548,631,201

Table 1.4.4 Trend of EA and RoW SMS traffic in the past five years

	2020	2021	2022	2023	2024
Outgoing to EA	1,235,692	1,425,624	1,700,525	2,233,288	1,896,295
Incoming from EA	50,880,982	89,717,530	58,344,672	37,592,410	41,662,728
outgoing to RoW	2,718,443	3,191,041	3,574,956	5,448,764	13,342,306
Incoming from RoW	3,935,379,714	4,599,468,894	4,664,200,079	5,562,047,440	5,798,188,788

1.4 Roaming traffic

This section presents Voice, SMS and Data traffic volume for roaming traffic to and from EAC, SADC and RoW for the quarter ending December 2024.

Figure 1.4 Roaming traffic

	Voice	SMS	Data
Roaming to	6.69 Billion	10.93 Million	5,557.87 PB
Roaming from	0.69 Billion	8.35 Million	188,168.48 PB

1.4.1 Voice roaming traffic (in minutes)

The voice roaming traffic to and from EAC, SADC and RoW for the quarter ending December 2024 is shown in table 1.4.1.

Table 1.4.1 Voice roaming traffic (in minutes)

	EAC	SADC	Rest of the World	Total
Roaming to	13,298,382	18,846.12	6,675,581,904	6,688,899,132
Roaming from	564,252,725	4,999,385	121,897,049	691,149,159

1.4.2 SMS roaming traffic

The SMS roaming traffic to and from EAC, SADC and RoW for the quarter ending December 2024 is shown in table 1.4.2.

Table 1.4.2 SMS roaming traffic

	EAC	SADC	Rest of the World	Total
Roaming to	4,276,100	320,302	6,331,448	10,927,850
Roaming from	5,982,645	186,717	2,181,039	8,350,401

1.4.3 Data roaming traffic (in Mbs)

The Data roaming traffic to and from EAC, SADC and RoW for the quarter ending December 2024 is shown in table 1.4.3.

Table 1.4.3 Data roaming traffic

	EAC	SADC	Rest of the World	Total
Roaming to	1,714,993	810,630.04	5,557,868,338,251	5,557,870,863,874
Roaming from	3,905,064,321,357	3,560,843,811,807	180,702,575,655,821	188,168,483,788,985

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.

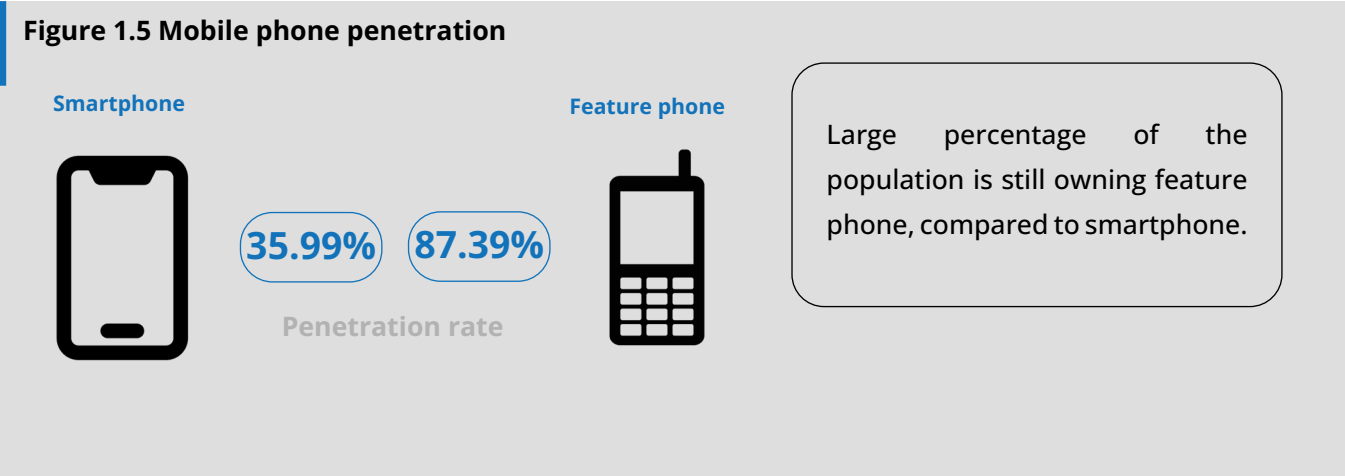


Table 1.5 User devices attached to operators’ networks

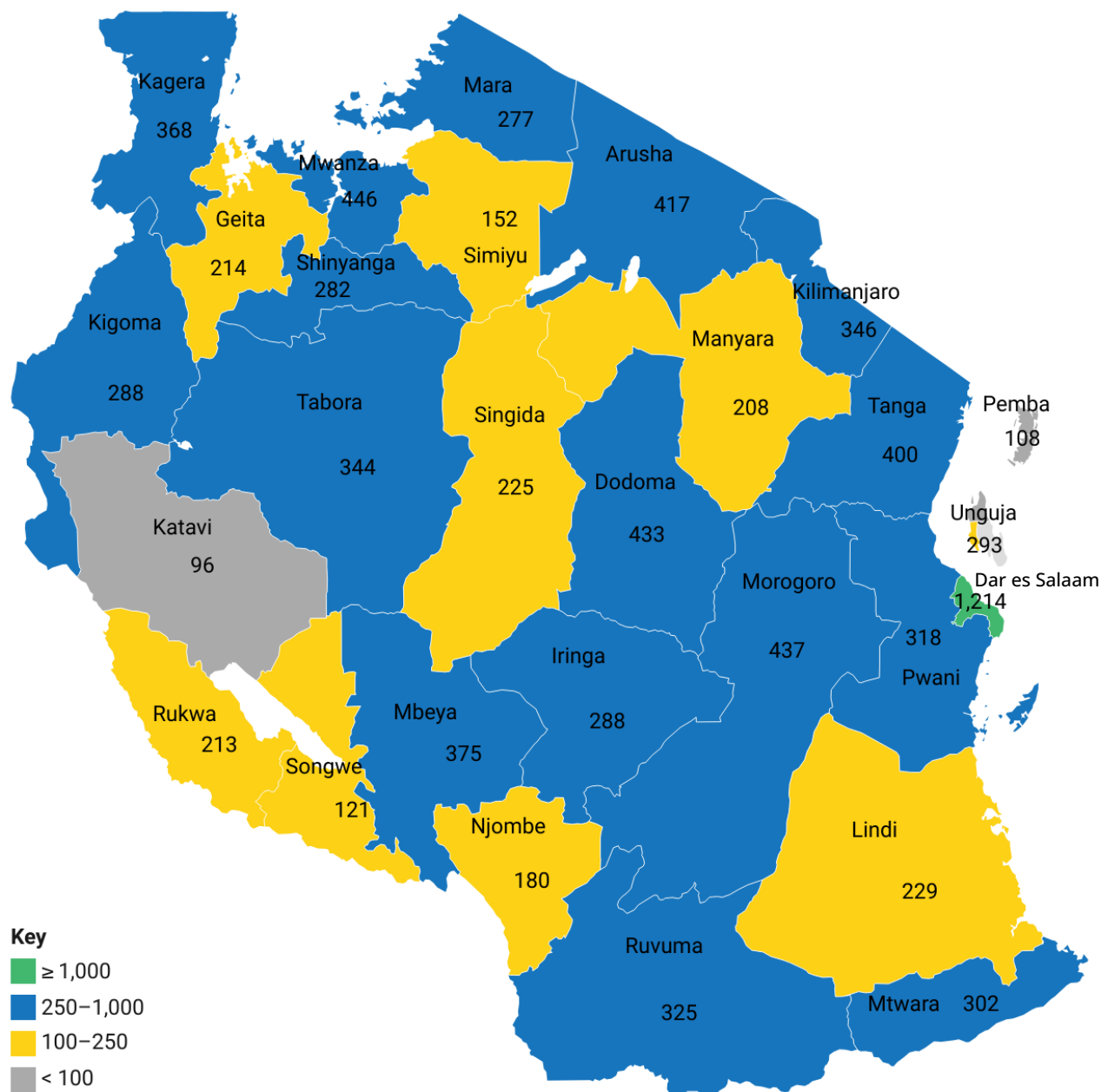
Device Type	Number of devices	Penetration
Mobile Phone/Feature phone	56,862,957	87.39%
Smartphone	23,419,299	35.99%
Handheld	1,628,133	2.50%
Modem	661,904	1.02%
Portable include Personal Digital Assistant (PDA)	56,229	0.09%
Tablet	480,097	0.74%
Module	53,184	0.08%
WLAN Router	206,049	0.32%
Dongle	97,457	0.15%
Internet of Things (IoT) Devices	147,102	0.23%
Vehicle	11,045	0.02%
Computer	12,473	0.02%
Wearable	8,474	0.01%
Device for the Automatic Processing of Data (APD)	3,734	0.01%

As of December 2024, the penetration of smartphones increased to 35.99% from 33.85% recorded in September 2024. Furthermore, penetration of feature phones also increased from 84.83% in September 2024 to 87.39% in December 2024. The penetration for other devices is as indicated in Table 1.5.

1.6 Number of telecom towers

A total of 8,899 towers was recorded in the quarter ending December 2024. Dar es Salaam was leading with 1,214 towers as shown in Map 1.6.

Map 1.6 Distribution of telecom towers per region

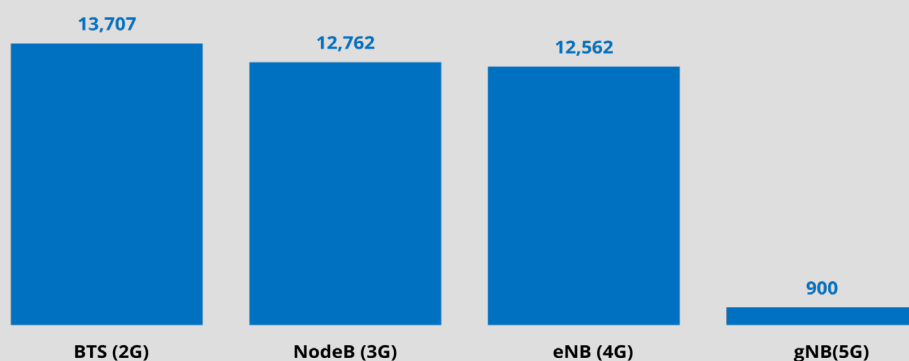


1.7 Radio base stations distribution

Table 1.7 presents the distribution of deployed Base Transceiver Stations (BTS), NodeB, eNB and gNB across regions of Tanzania, reflecting the extent of 2G, 3G, 4G, and 5G network coverage as of the quarter ending December 2024.

Table 1.7 Distribution of radio base stations per region

Region	Number of radio base stations			
	BTS (2G)	NodeB (3G)	eNB (4G)	gNB (5G)
Tanzania Mainland				
Arusha	676	642	638	32
Dar-es-salaam	2,272	2,365	2,349	616
Dodoma	653	564	574	44
Geita	381	363	344	6
Iringa	379	335	338	4
Kagera	491	456	421	1
Katavi	157	135	140	1
Kigoma	471	423	400	3
Kilimanjaro	536	514	505	8
Lindi	338	257	280	1
Manyara	325	270	272	1
Mara	400	363	355	4
Mbeya	558	548	542	16
Morogoro	656	601	597	9
Mtwara	407	342	347	1
Mwanza	729	706	695	36
Njombe	299	265	263	3
Pwani	459	427	427	12
Rukwa	278	244	232	1
Ruvuma	427	348	352	2
Shinyanga	359	343	321	6
Simiyu	271	235	226	2
Singida	326	296	292	3
Songwe	234	203	199	13
Tabora	519	461	412	4
Tanga	613	536	538	3
Zanzibar				
Kaskazini Pemba	59	58	54	1
Kaskazini Unguja	78	80	77	4
Kusini Pemba	59	60	57	1
Kusini Unguja	113	113	111	4
Mjini Magharibi	184	209	204	58
Total	13,707	12,762	12,562	900

Figure 1.7 Radio base stations distribution per technology

The country exhibits a substantial foundation in 2G and 3G technologies, with 13,707 BTS and 12,762 NodeB demonstrating a well-established mobile communication infrastructure. 4G technology, while not as widespread as 2G and 3G, still shows significant coverage with 12,562 eNBs. However, 5G infrastructure expanded by 7.9% to 900 gNBs, concentrated primarily in urban areas like Dar es Salaam and Mjini Magharibi. Notably, Dar es Salaam leads in all categories, underscoring its status as the country's major hub for connectivity. The data shows a progressive transition towards advanced mobile technologies, emphasising the need for enhancing 4G and introducing 5G networks to meet future communication demands.

1.8 Roll out of mobile network coverage

Investment in the telecommunication infrastructure has increased the rollout of mobile network coverage as shown in Table 1.8

Table 1.8 Network coverage a for mobile network signal as of December 2024

		September 2024	December 2024
 Population Coverage	2G	98.1%	98.2%
	3G	90.1%	91%
	4G	84.9%	88%
	5G	18%	20%
 Geographical Coverage	2G	75%	75.1%
	3G	73.6%	73.8%
	4G	70.2%	71%
	5G	2.2%	2.5%

Significant achievements were attained in the sector during this quarter, as shown in Table 3.4, including expanding 2G, 3G, 4G and 5G coverage to reach population coverages of 98.2%, 91%, 88% and 20%, respectively. Furthermore, the geographical coverage for 2G, 3G, 4G and 5G has expanded to 75.1%, 73.8%, 71% and 2.5% respectively.

1.9 Internet services

1.9.1 Internet subscription

The subscription to mobile and fixed Internet is the total number of 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, 5G, among others).

The summary of internet subscriptions for the quarter ending December 2024 is shown below.

As of September 2024

41.4 Million

As of December 2024

48.0 Million

16.1 % 

There was an increase of 16.1% in subscriptions from 41.4 million as of September 2024 to 48 million as of December 2024.

Monthly internet subscriptions for the quarter ending December 2024 are shown in Table 1.9.1a. The table shows that mobile wireless is the mostly preferred compared to other internet services. As of December 2024, it comprises of 99.6% of all subscriptions.

Table 1.9.1a Monthly internet subscriptions for the quarter ending December 2024

Reporting Month	Mobile Wireless Subs	Fixed Wireless Subs	Fixed Wired Subs	Total
October	45,939,679	78,475	66,210	46,084,364
November	46,784,789	80,780	75,187	46,940,756
December	47,859,272	83,201	85,754	48,028,227

Mobile broadband is the most popular means of accessing internet, with 25,598,698 subscriptions. 2G technology holds significant usage with 22,260,574 subscriptions. Fibre technologies like Fiber to the Home (FTTH) and Fiber to the Office (FTTO) have fewer subscriptions, at 71,661 and 11,540 respectively as shown in Figure 1.9.1.

Figure 1.9.1a Internet Subscription by technology

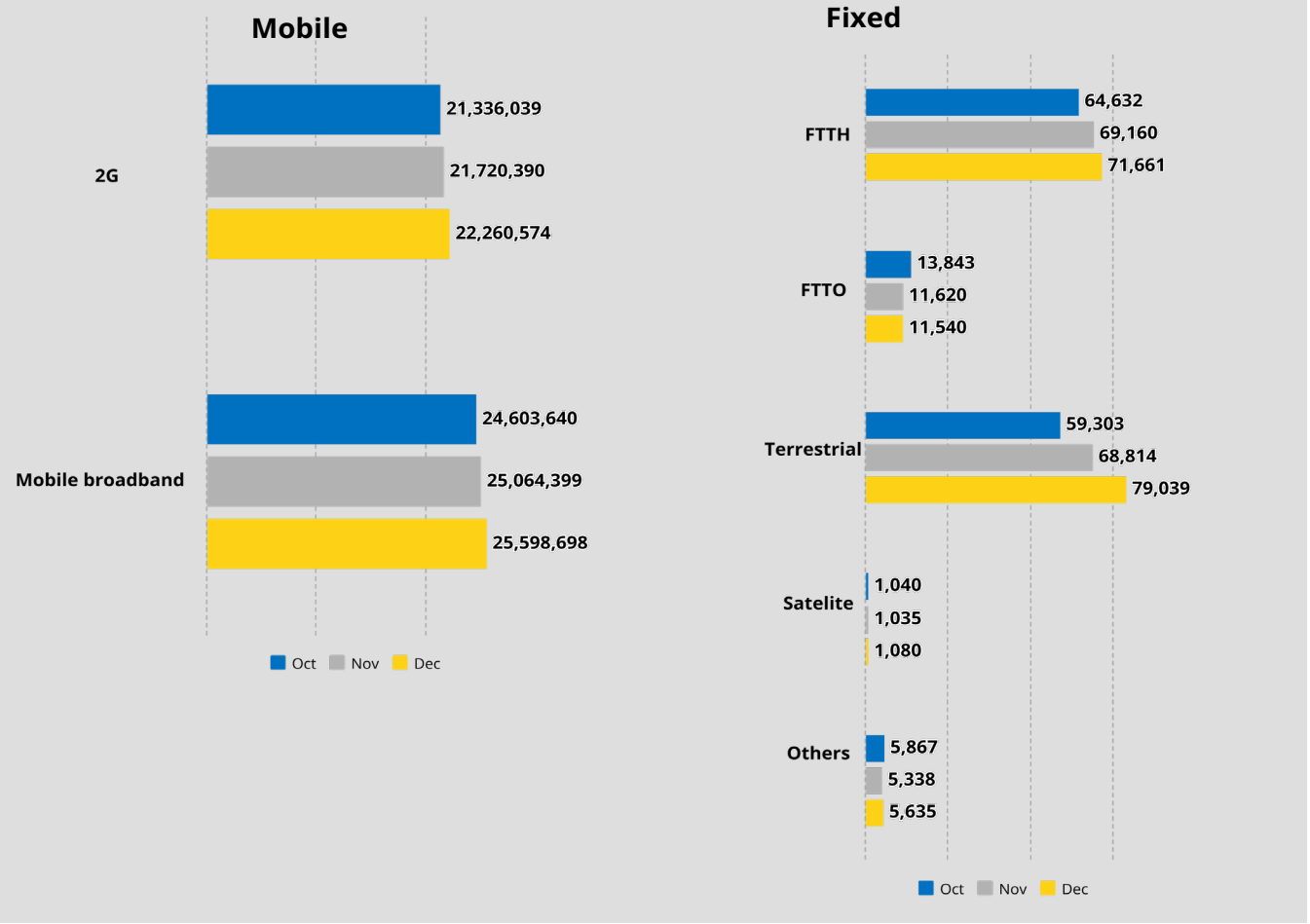


Chart 1.9.1a Mobile wireless market share per Operator for the quarter ending December 2024

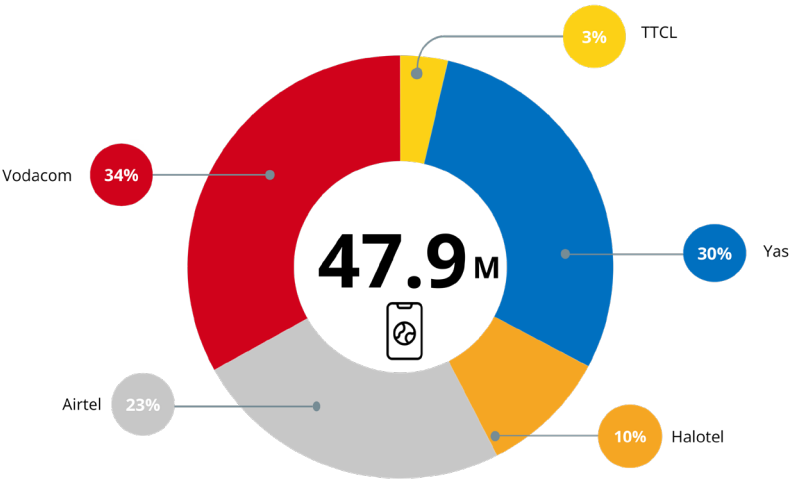


Chart 1.9.1b Fixed internet subscriptions per Operator for the quarter ending December 2024

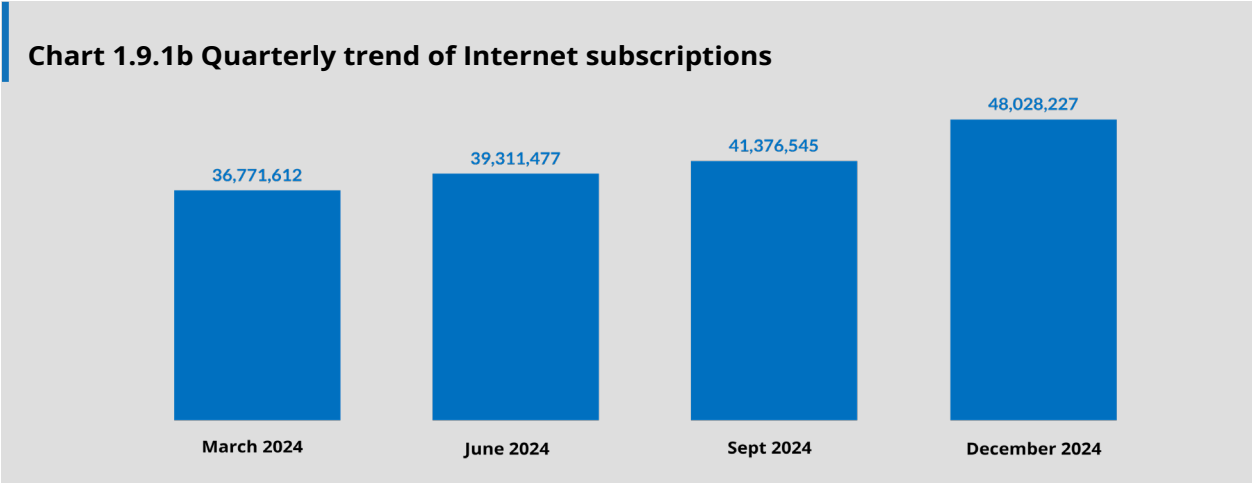
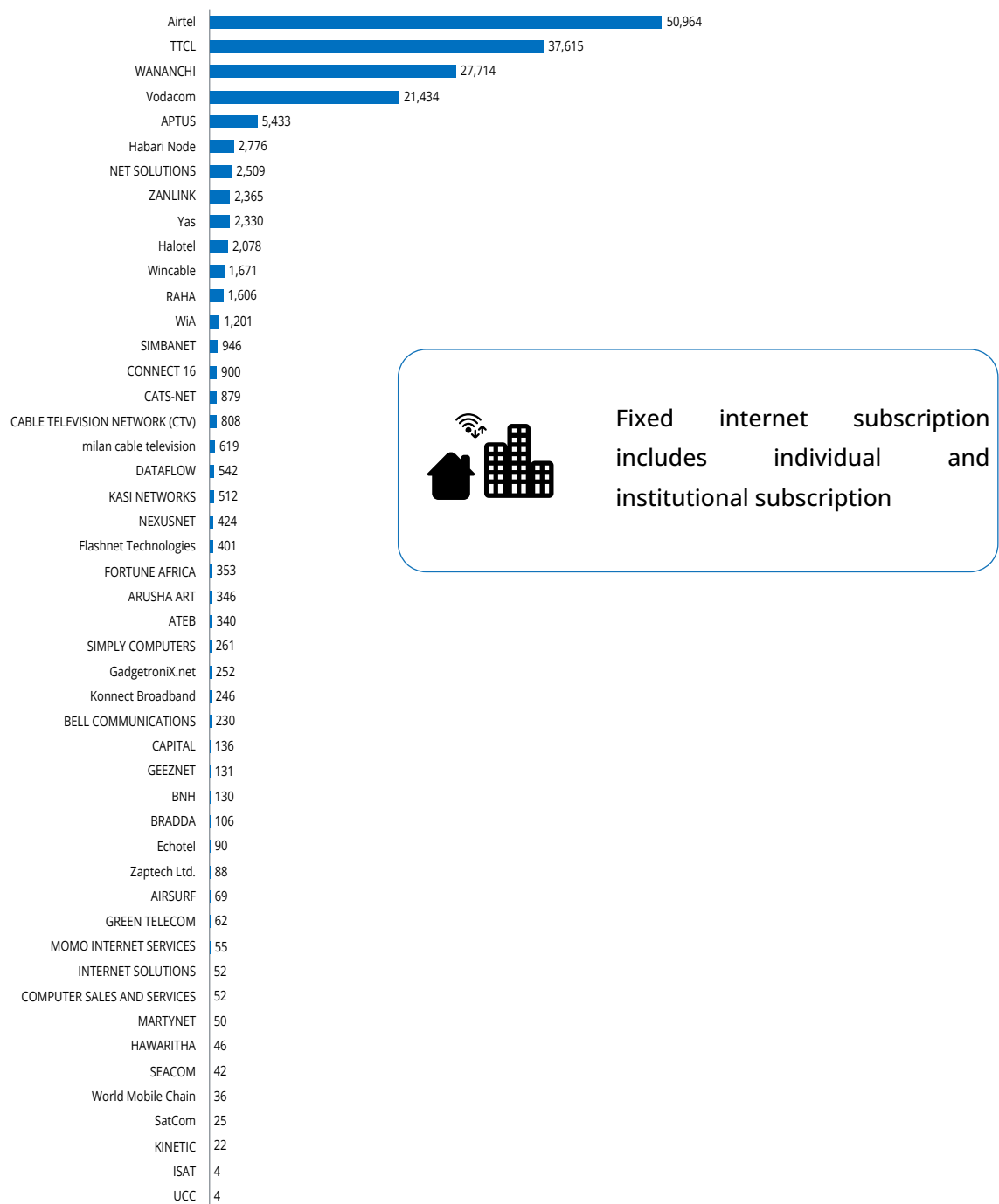
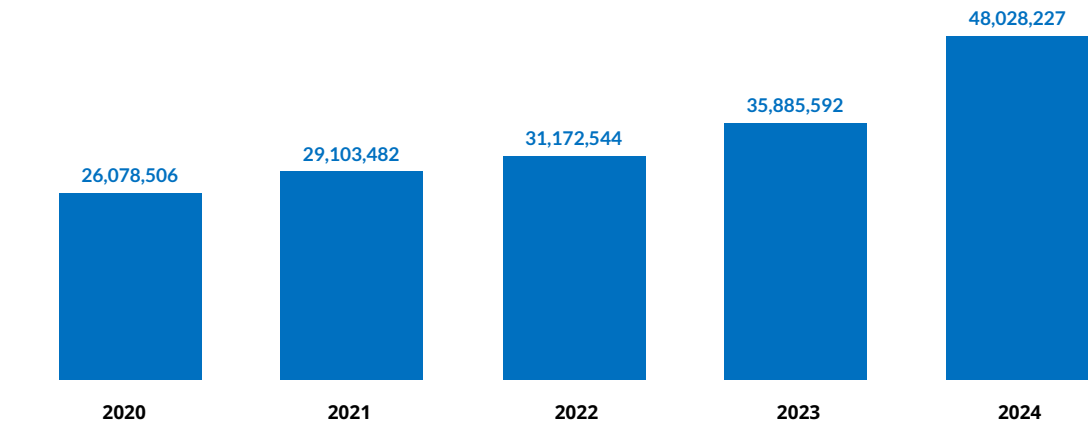


Chart 1.9.1b indicates an average quarterly growth rate of 16.1% in internet subscriptions which rose from 41.4 million in September 2024 to 48.0 million in December 2024.

Chart 1.9.1c Trend of Internet subscriptions for the past five years



1.9.2 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 =1000³ Megabytes). The summary for internet usage is shown below.

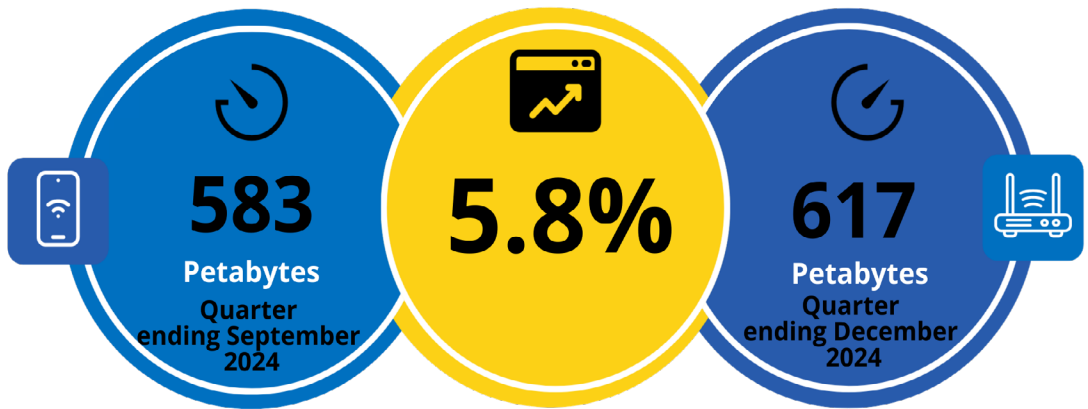


Table 1.9.2 Amount of data used in the quarter ending December 2024

	October	November	December
GB	200,518,094	200,567,905	215,501,720
Subscriptions	46,084,364	46,940,756	48,028,227
GB Per Subscriptions	4.35	4.27	4.49

Data traffic in gigabytes shown in Table 1.9.2 indicates that 4.49 GB per subscriber were used in December which is higher than October and November 2024.

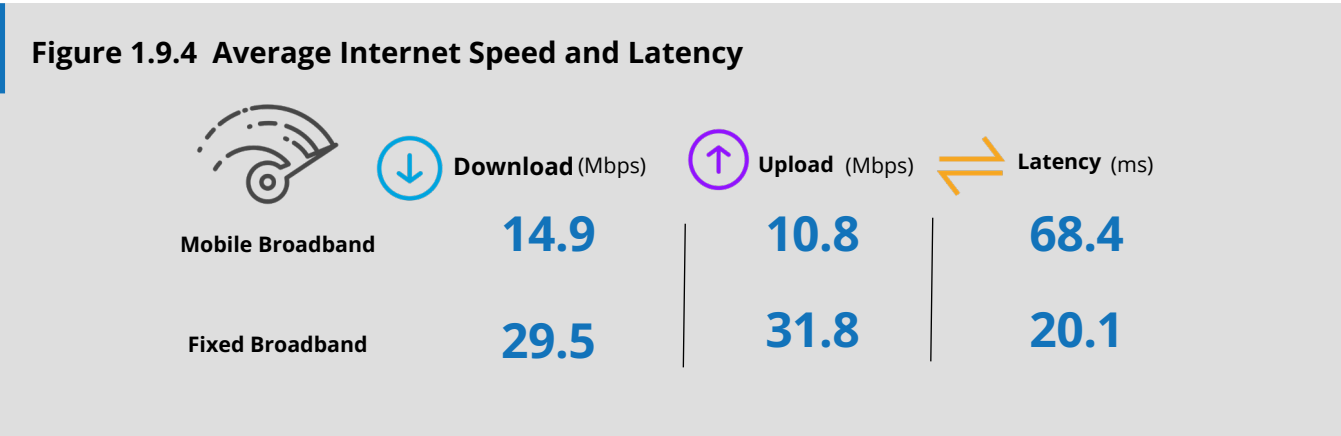
1.9.3 Internet link capacity

For international links, the outgoing and incoming capacity support internet usage locally and internationally. Table 1.9.3 shows that the country has a 15,332.00 Gbps duplex capacity for new activation. This means only 10.9% of all international link capacity has been utilized.

Table 1.9.3 International Internet capacity as of December 2024

	Outgoing capacity (Gbps)	Incoming capacity (Gbps)
Total /Owned	17,200.00	17,200.00
Activated	1,868.32	1,868.32
Available for new activation	15,331.68	15,331.68

1.9.4 Average Internet speed and latency



1.9.5 Country Code Top Level Domains

The total cumulative number of registered domain names increased from 31,584 at the end of September 2024 to 32,267 by the end of December 2024, as shown in Table 1.9.5

Table 1.9.5 Number of domain names

Zone	September 2024	December 2024
co.tz	24,796	25,195
or.tz	2,696	2,725
ac.tz	1,160	1,147
go.tz	913	918
.tz	1,706	1,950
sc.tz	256	273
ne.tz	33	33
me.tz	9	11
info.tz	2	2
hotel.tz	2	3
mobi.tz	5	4
tv.tz	2	2
mil.tz	4	4
Total	31,584	32,267

1.10 Mobile money services

This section presents statistics on mobile money services provided by Mobile Network Operators (MNOs) in terms of subscriptions (number of mobile money accounts) and transactions.

1.10.1 Mobile money subscriptions

Mobile money subscriptions refer to the count of all active SIM cards with mobile money service accounts that have registered an activity/have been used at least once in the past three months. The subscriptions increased by 3.9% from 60.8 million accounts in the quarter ending September 2024 to 63.2 million in December 2024.

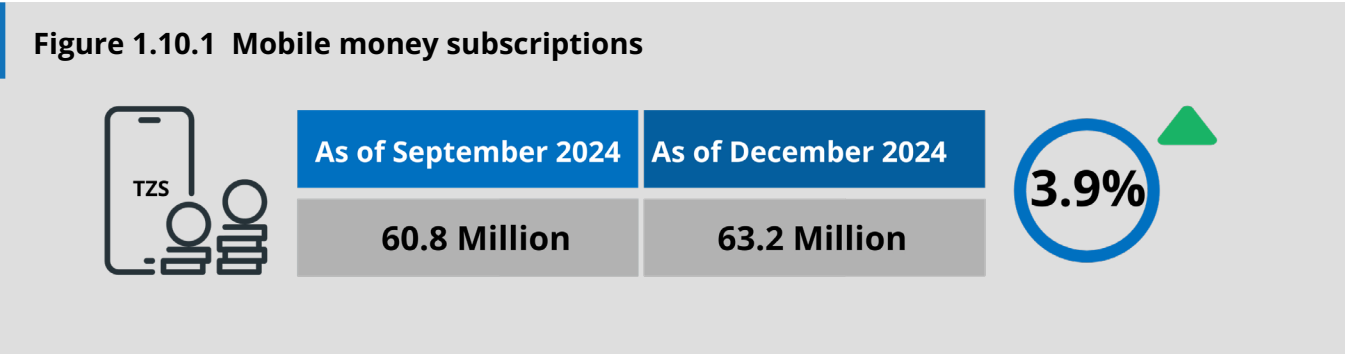


Table 1.10.1 Mobile money service subscriptions (number of accounts)

	October	November	December
Airtel Money	11,582,535	11,802,772	11,984,223
Azam Pesa	77,248	45,184	32,418
HaloPesa	5,317,112	5,553,962	5,696,951
Mixx by Yas	19,177,882	19,367,125	19,384,781
T-Pesa	1,464,589	1,482,764	1,508,952
M-pesa	22,548,857	23,402,837	24,600,244
Total	60,168,223	61,654,644	63,207,569

Market share on mobile money subscriptions is shown in Chart 1.10.1.

Chart 1.10.1 Market share on mobile money subscriptions

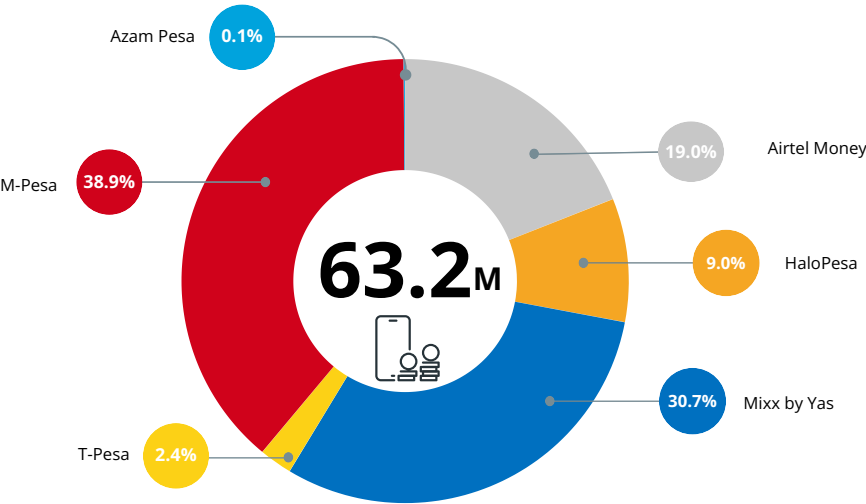


Chart 1.10.1 indicates that the mobile money market is very competitive as Mixx by Yas, M-Pesa, and Airtel money control around 89% of the market share by subscription, led by M-Pesa with 39.8% market share.

1.10.2 Mobile money transactions

Mobile money transactions refers to the number of deposits and transfers from one account to another in the past three months. The mobile money transactions for the quarter ending December 2024 are shown in table 1.10.2a. Furthermore, the quarterly and annual trends are shown in table 1.10.2b and 1.10.2c.

Table 1.10.2a Mobile money transactions

	October	November	December
Airtel Money	101,773,680	99,438,660	104,187,370
Azam Pesa	1,657,911	1,335,356	1,638,250
HaloPesa	36,389,613	36,581,657	39,059,824
T-Pesa	518,742	511,508	633,850
M-pesa	131,407,742	130,749,560	136,898,193
Mixx by Yas	96,397,449	85,123,969	96,396,871
Total	368,145,137	353,740,710	378,814,358

Table 1.10.2b Trend of mobile money transactions in the past four quarters

Quarter	No. of Subscriptions	No. of Transactions
Mar 24	52,990,091	1,370,558,108
Jun 24	55,732,728	873,033,652
Sept 24	60,815,533	879,361,166
Dec 24	63,207,569	1,100,700,205

Table 1.10.2c Trend of mobile money subscriptions and transactions in the past five years

Year	No. of Subscriptions	No. of Transactions
2020	32,268,630	3,412,210,062
2021	35,285,767	3,752,084,894
2022	40,953,496	4,195,899,414
2023	52,875,129	5,273,086,154
2024	63,207,569	3,737,202,434

1.11 Quality of services (QoS)

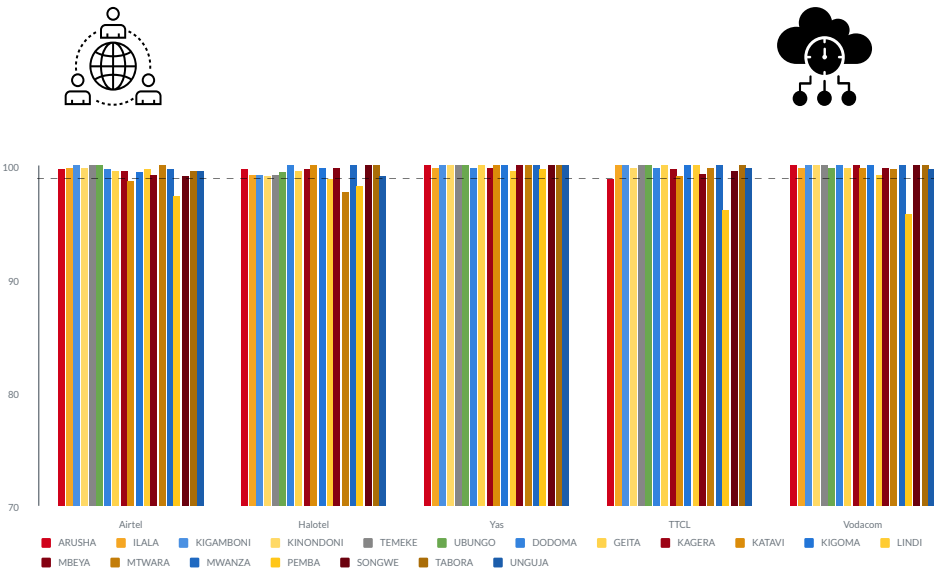
Measurements were conducted considering the QoS parameters and measurement methods specified in the Electronic and Postal Communications (Quality of Service) Regulations, 2018. The following is the summary of the results on the QoS of mobile networks in Tanzania from December 2024.

1.11.1 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%.

Yas passed the target in all nineteen measured service areas. Vodacom passed the target in eighteen out of nineteen measured service areas. TTCL and Airtel passed the target in seventeen out of nineteen measured areas and Halotel passed the target in sixteen out of nineteen measured service areas as shown in Chart 1.11.1.

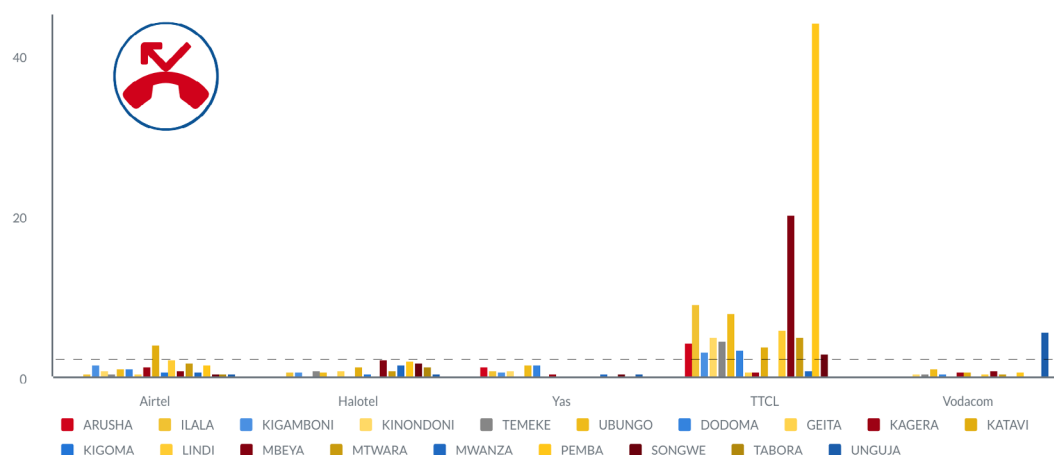
Chart 1.11.1. Network Availability (%) (Target is above 99%)



1.11.2 Call Connection Failure Rate (CCFR)

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

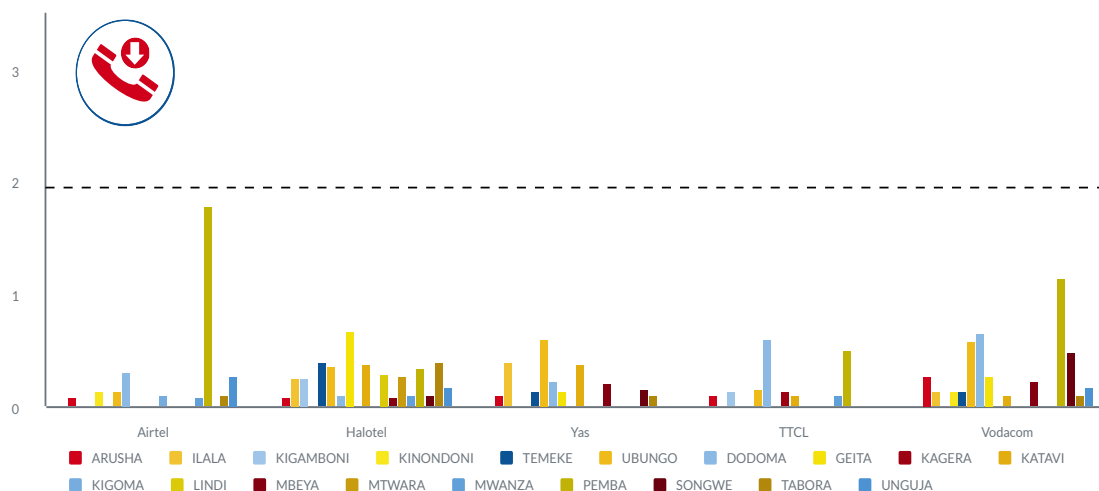
Yas passed the target in all nineteen measured service areas. Halotel and Vodacom each passed the target in eighteen out of nineteen measured service areas. Airtel passed the target in seventeen out of nineteen measured service areas while TTCL passed the target in five out of the eighteen measured service areas as shown in chart 1.11.2.

Chart 1.11.2 Comparative results on the Call Connection Failure

1.11.3 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, Halotel, Yas and Vodacom passed the target in all nineteen measured service areas while TTCL passed the target in all eighteen measured service areas as shown in Chart 1.11.3.

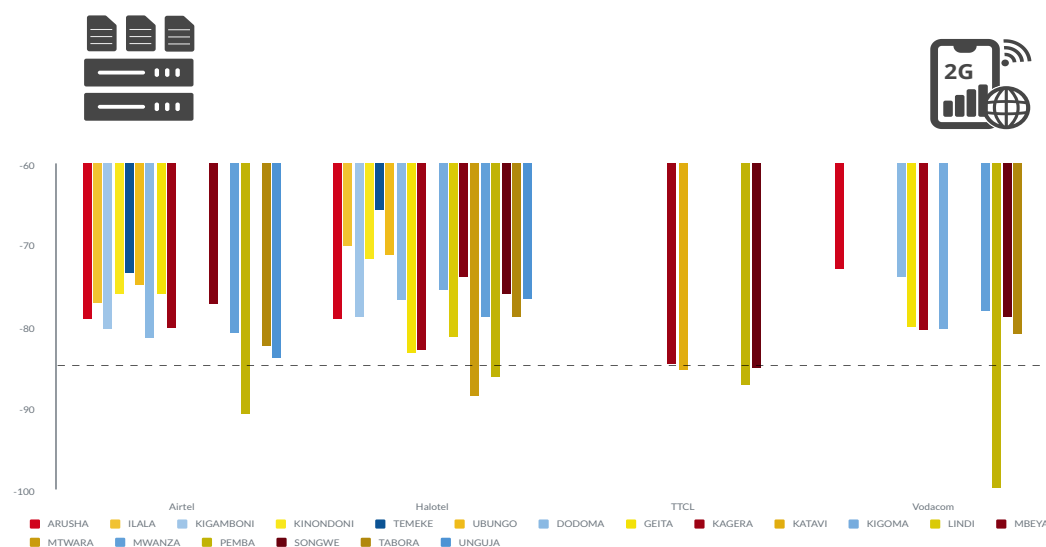
Chart 1.11.3. Comparative results on the Call Drop Rate

1.11.4 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.

Halotel passed in sixteen out of eighteen measured service areas, Airtel passed the target in all thirteen out of fourteen measured service areas, Vodacom passed in eight out of nine measured service areas, TTCL passed in one out of four measured service areas as shown in Chart 1.11.4.

Chart 1.11.4. Comparative results on 2G Coverage.

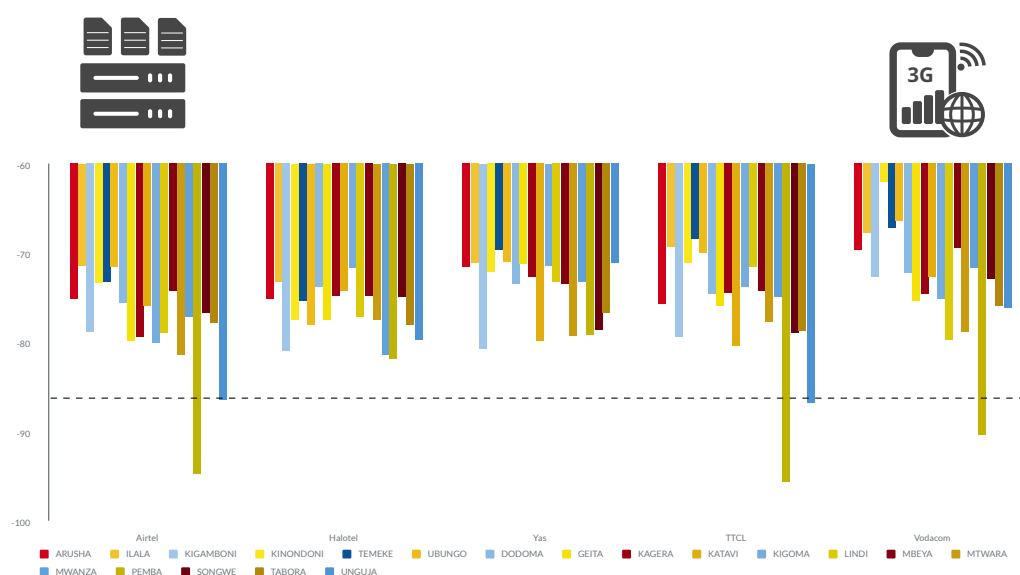


1.11.5 3G service coverage

The 3G 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 3G mobile network services in areas with no coverage or very poor coverage. The threshold for compliance for 3G technologies is -85 dBm.

Halotel and Yas passed the target in all nineteen measured service areas. Vodacom passed the target in eighteen out of nineteen measured service areas, while TTCL and Airtel passed the target in seventeen out of nineteen service areas, as shown in Chart 1.11.5.

Chart 1.11.5. Comparative results on 3G Coverage.

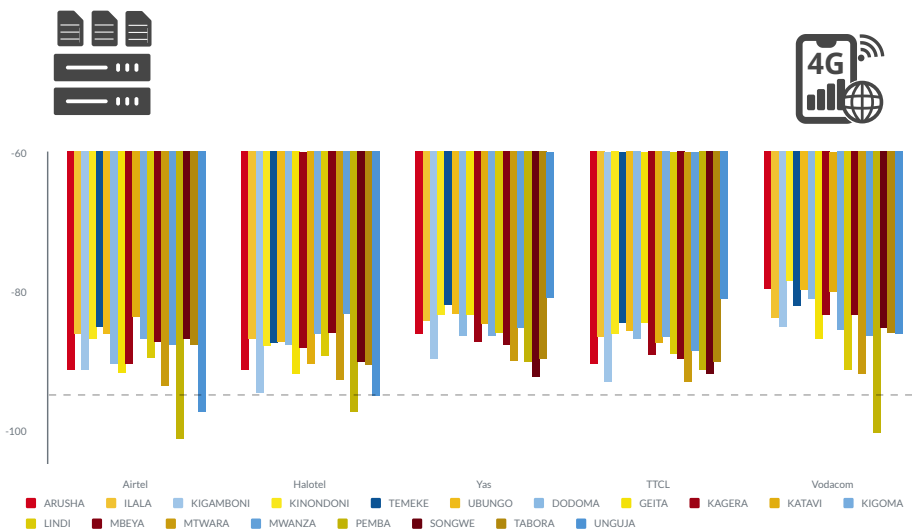


1.11.6 4G service coverage

4G 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 4G mobile network services in areas with no coverage or very poor coverage. The threshold for compliance for 4G technology is -95 dBm.

Yas and TTCL each passed the target in all nineteen measured service areas. Vodacom passed the target in eighteen out of nineteen measured service areas and Halotel and Airtel each passed the target in seventeen out of nineteen measured service areas, as shown in Chart 1.11.6.

Chart 1.11.6. Comparative results on 4G coverage

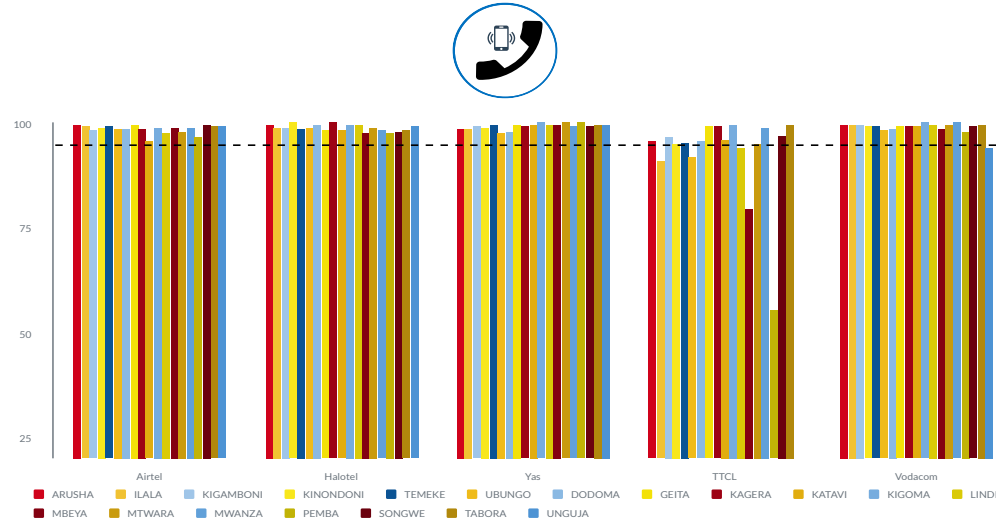


1.11.7 Call Success Rate

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%.

Airtel, Yas and Halotel passed the target in all nineteen measured service areas. Vodacom passed the target in eighteen out of nineteen measured service areas while TTCL in thirteen out of eighteen measure service areas, as shown in Chart 1.11.7.

Chart 1.11.7. Comparative results on Call Success Rate.

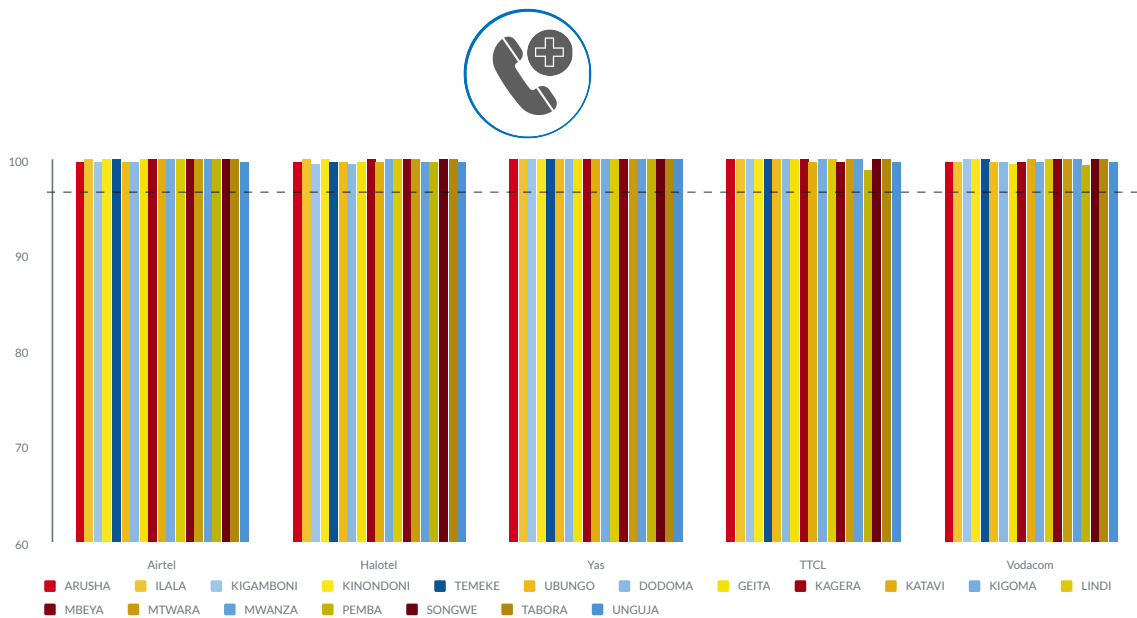


1.11.8 Handover Success Rate

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%.

All operators passed the target in all nineteen measured service areas as shown in Chart 1.11.8.

Chart 1.11.8. Comparative results on Handover Success Rate.

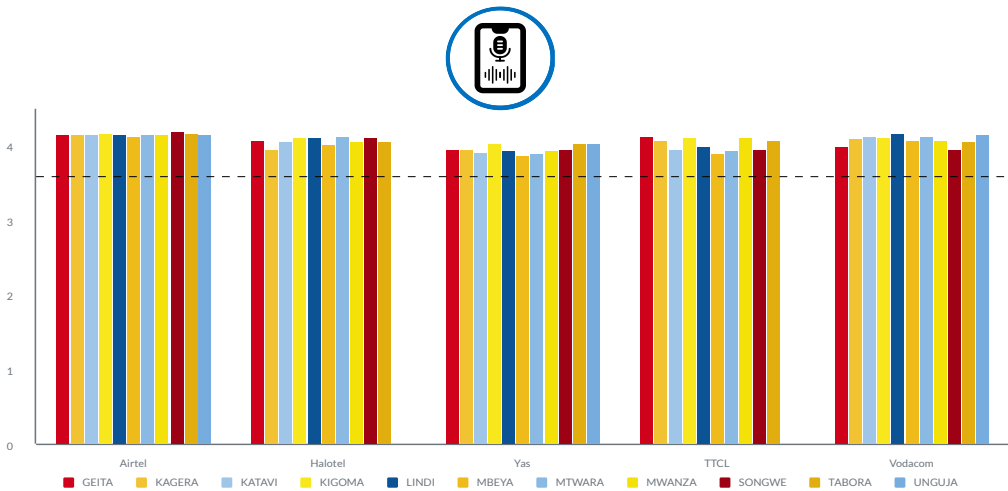


1.11.9 Voice Quality (MOS)

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, Yas and Vodacom passed the target in all eleven measured service areas, while Halotel and TTCL passed the target in all ten measured service areas as shown in Chart 1.11.9.

Chart 1.11.9. Comparative results on Voice Quality

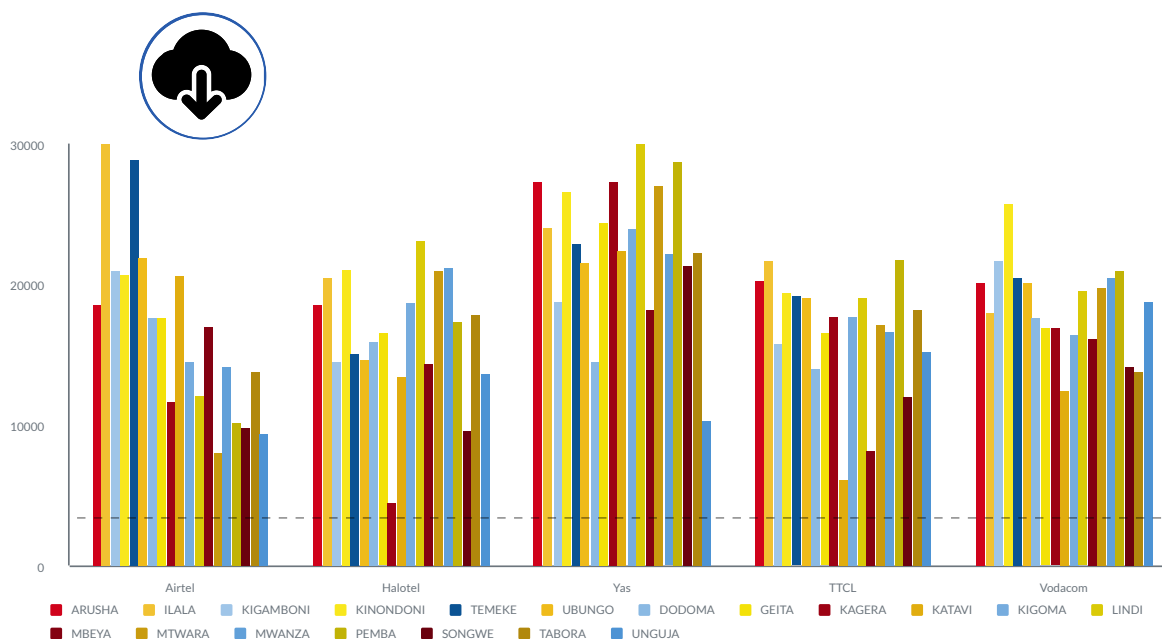


1.11.10 Download Mean Data Rate

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.

All operators passed the target in all nineteen measured service areas as shown in Chart 1.11.10.

Chart 1.11.10. Comparative results on Download Mean Data Rate

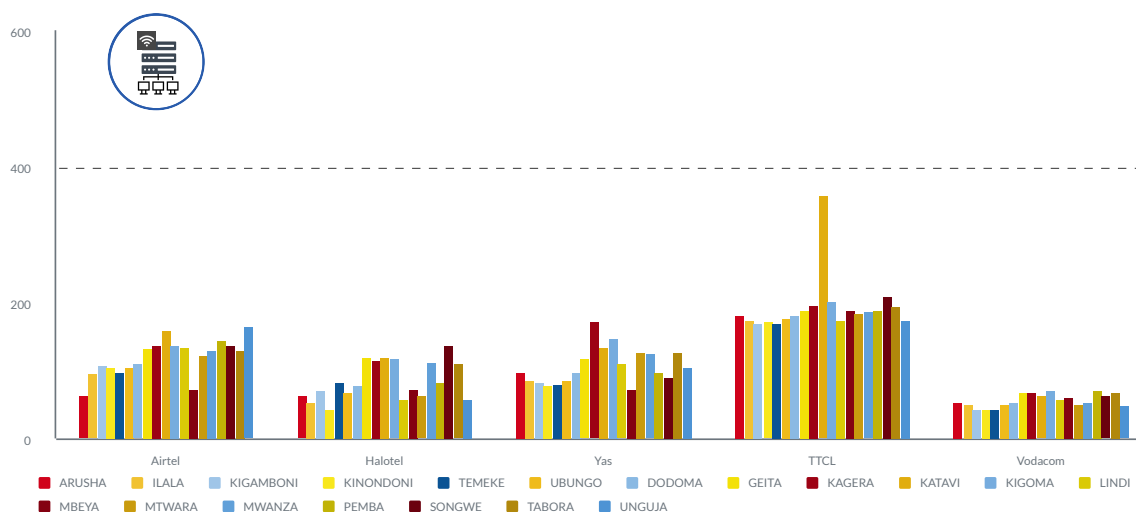


1.11.11 Ping Round Trip Time

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

All operators passed the target in all nineteen measured service areas, as shown in Chart 1.11.11.

Chart 1.11.11. Comparative results on Ping Round Trip Time.

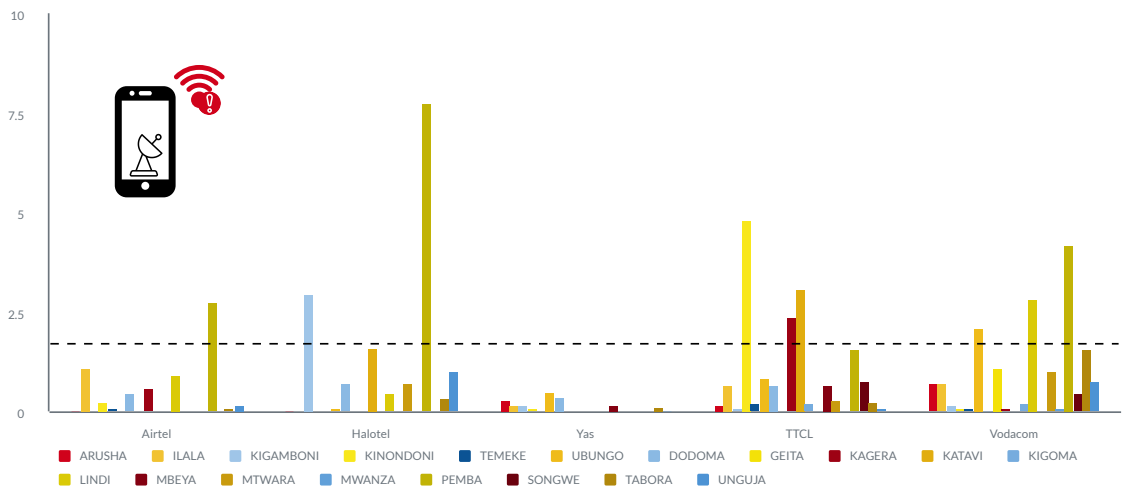


1.11.12 Attach Failure Ratio

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%.

Yas passed the target in all nineteen measured service areas. Airtel passed the target in eighteen out of nineteen measured service areas. Halotel passed the target in seventeen out of nineteen measured service areas, while TTCL and Vodacom passed the target in sixteen out of nineteen service areas, as shown in Chart 1.11.12.

Chart 1.11.12. Comparative results on Attach Failure Ratio.

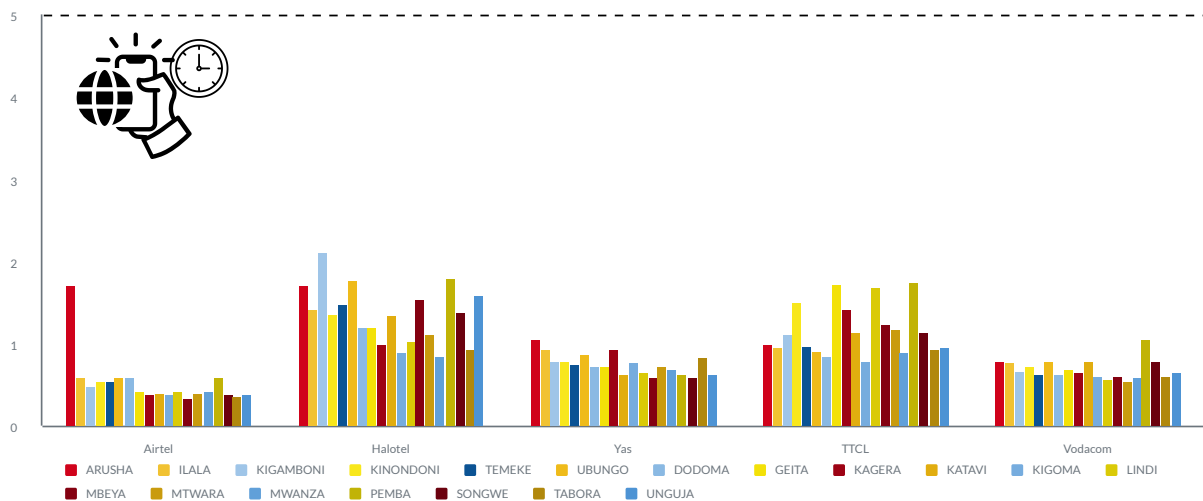


1.11.13 Attach Setup Time

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.

All operators passed the target in all nineteen measured service areas while Halotel passed the target in eighteen out of nineteen measured service areas as shown in Chart 1.11.13.

Chart 1.11.13. Comparative results on Attach Setup Time.

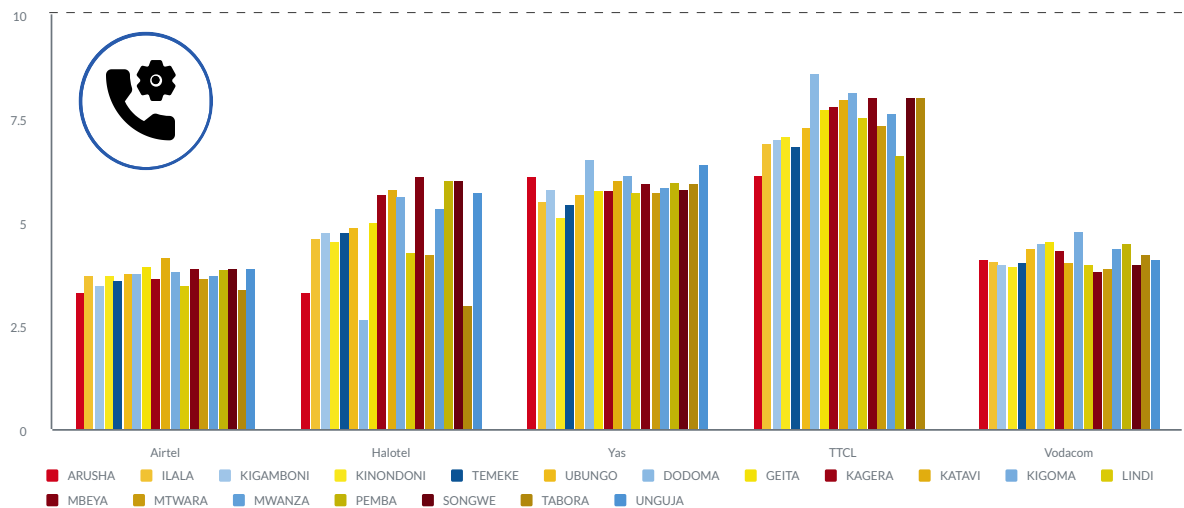


1.11.14 Call Setup Time

Call Setup Time measures the time a call takes to connect after dialling. The threshold for compliance is less than 10 seconds.

All operators passed the target in all measured service areas as shown in Chart 1.11.14.

Chart 1.11.14. Comparative results on Call Setup Time.



The general quality of service results from October to December 2024 indicates that Yas scored 100%, Vodacom 97%, Airtel and Halotel each scored 96%, and TTCL scored 89% in performance, as shown in Table 1.11.

Table 1.11 Summary of QoS scores per MNO for the quarter ending December 2024

Operator	Score
Yas	100%
Vodacom	97%
Halotel	96%
Airtel	96%
TTCL	89%
Industry average	96%

1.12 Fraudulent attempts

Tanzania Mainland

Region	Airtel	Halotel	Yas	TTCL	Vodacom	Total
Rukwa	2,200	404	465	1667	569	5,305
Morogoro	1,833	13	733	14	1,685	4,278
Mbeya	451	63	55	214	147	930
Dar es Salaam	436	24	134	38	133	765
Katavi	0	41	4	198	38	281
Arusha	43	3	17	14	183	260
Songwe	0	87	33	30	0	150
Mwanza	51	3	20	10	48	132
Tabora	18	10	4	81	9	122
Kilimanjaro	13	5	26	7	39	90
Iringa	33	34	8	7	3	85
Pwani	14	2	26	12	8	62
Kagera	21	3	11	15	11	61
Dodoma	12	17	13	4	2	48
Kigoma	7	7	5	9	15	43
Tanga	12	6	19	2	2	41
Njombe	0	8	10	13	4	35
Shinyanga	17	6	2	5	1	31
Ruvuma	3	2	10	14	0	29
Mtwara	5	4	9	7	0	25
Singida	2	2	11	5	1	21
Geita	0	3	5	10	1	19
Lindi	2	1	6	7	1	17
Mara	4	2	6	3	2	17
Manyara	8	1	3	2	0	14
Simiyu	0	1	5	1	0	7

Zanzibar

Mjini Magharibi	2	1	10	2	0	15
Kaskazini Unguja	0	0	5	0	0	5
Kusini Unguja	0	0	5	0	0	5
Kusini Pemba	0	0	2	0	0	2
Kaskazini Pemba	0	0	1	0	0	1
Total	5,187	753	1,663	2,391	2,902	12,896

Table 1.12 shows fraudulent attempts per operator for the quarter ending September 2024 and December 2024. Airtel has recorded the highest number of fraudulent attempts compared to other MNOs, while Halotel has the least.

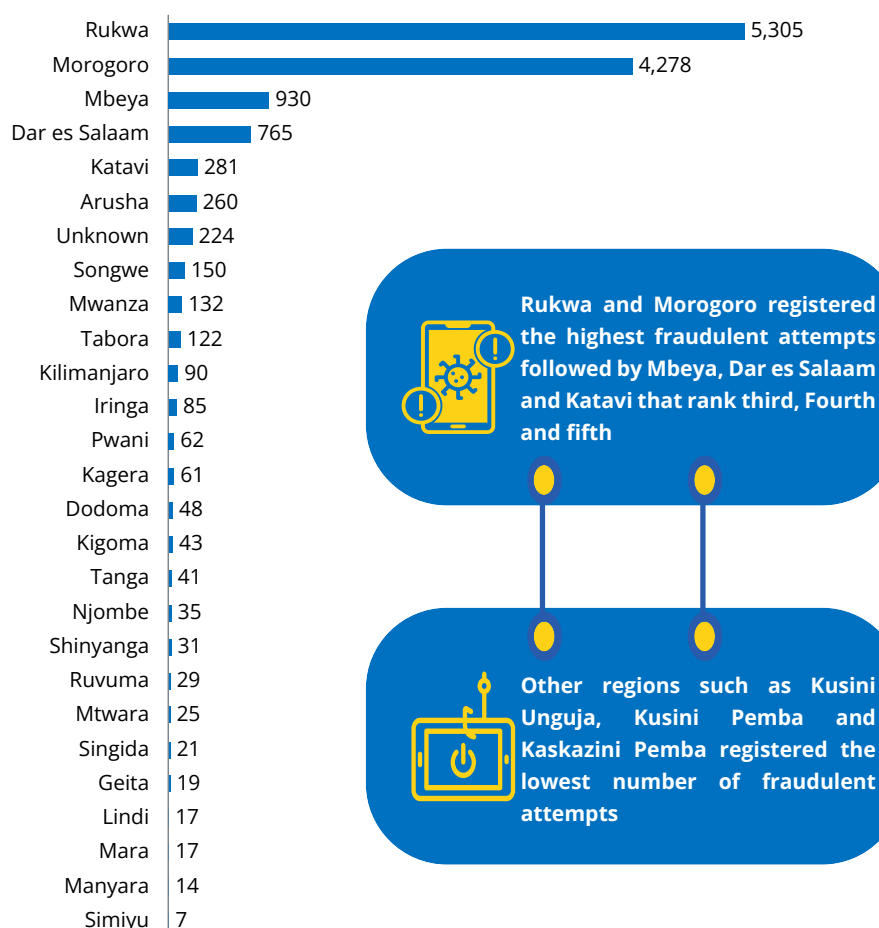
Table 1.12a Fraudulent attempts per operator

Quarter ending	Airtel	Halotel	Yas	TTCL	Vodacom	Total
December 2024	5,187	753	1,663	2,391	2,902	12,896
September 2024	3,408	711	6,581	2,127	3,175	16,002
Percentage change	52%	6%	-75%	12%	-9%	-19%

The statistics show that fraudulent attempts have decreased by 19%. The results further shows that fraudulent attempts for Halotel, TTCL, Airtel have increased by 6%, 12% and 52% respectively. However, fraudulent attempts for Yas and Vodacom have decreased by 75% and 9% respectively.

Map 1.12a Distribution of fraudulent attempts per region in the quarter ending December 2024

Tanzania mainland

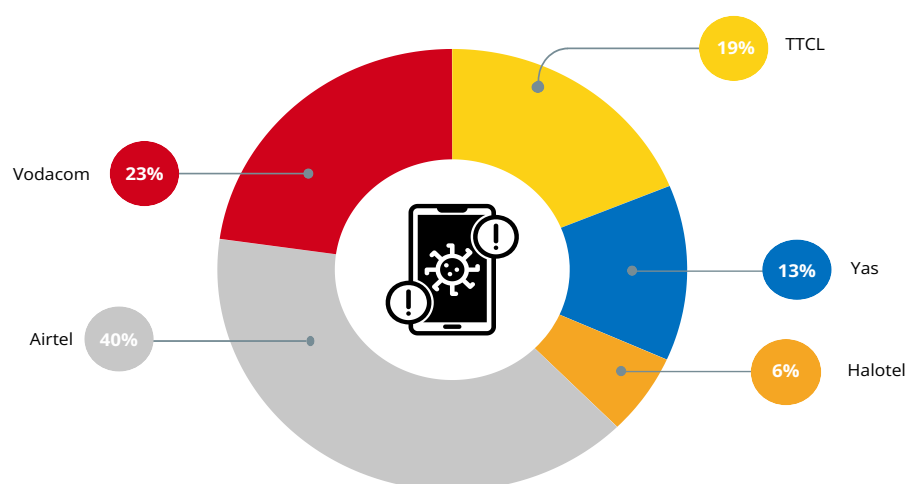


Zanzibar

Mjini Magharibi	15
Kaskazini Unguja	5
Kusini Unguja	5
Kusini Pemba	2
Kaskazini Pemba	1

Table 1.12b Fraudulent attempts per district for the four leading regions

Region	District	Fraudulent attempts
Rukwa	Kalambo	140
	Nkasi	287
	Sumbawanga Rural	1,083
	Sumbawanga Urban	3,795
Morogoro	Gairo	3
	Kilombero	4,101
	Kilosa	37
	Morogoro Rural	1
	Morogoro Urban	105
	Mvomero	4
	Ulanga	17
	Malinyi DC	7
	Mlimba DC	3
Mbeya	Chunya	63
	Kyela	22
	Mbarali	30
	Mbeya Rural	251
	Mbeya Urban	536
	Rungwe	28
Dar es Salaam	Ilala	155
	Kigamboni	6
	Kinondoni	387
	Temeke	119
	Ubungo	98

Chart 1.12b Fraudulent attempts per operator in the quarter ending December 2024

1.13 Licenses

Telecommunications and Internet		
Category	Number licenses	
	September 2024	December 2024
Network Facilities Licences	35	37
Network Services Licences	16	18
Application Services Licences	146	155
Aircraft Stations	176	178
Amateur Stations	23	17
Fixed VSAT Terminals	36	36
Mobile VSAT Terminals	2	2
Satellite Ground Earth Stations	1	1
Ship Stations	36	30
HF Radio Stations	21	19
VHF- UHF Radio Repeaters	2	2
VHF - UHF Radio Station with Pair of Frequency	109	107
VHF - UHF Radio Station with Single Frequency	184	190
Numbering	493	514

1.14 Certificates

Category	Number certificates	
	September 2024	December 2024
Global Maritime Distress and Safety Systems	177	196
Type Approval	4774	4948
Registration for Satellite Mobile Phones	32	46

Chapter 02

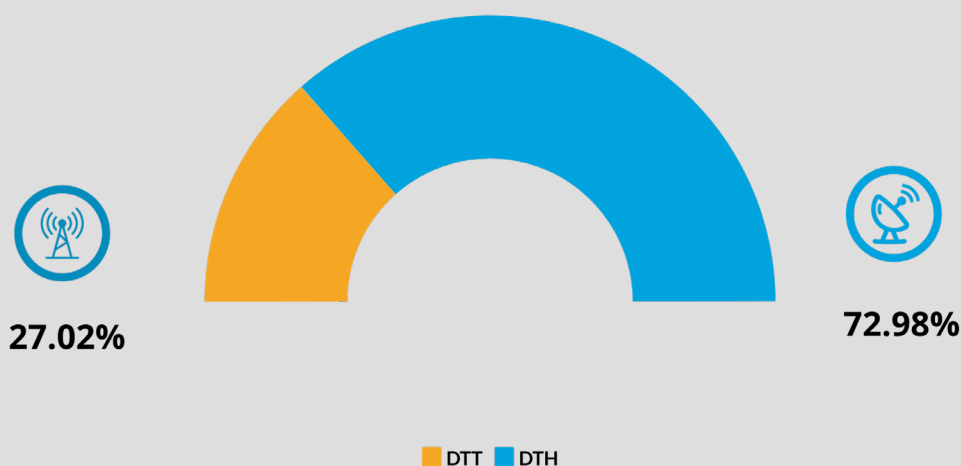
Broadcasting Services



2. Broadcasting Services

This section presents statistics on the number of television (TV) subscriptions through Digital Terrestrial Television (DTT), Digital to the Home (DTH), and Cable Television as well as the population coverage of broadcasting signals in the country.

Figure 2 Pay TV Subscription Market Share



2.1 Active decoders

The number of active decoders (set-top boxes which were subscribed to a paid TV package at least once in a three month period) accessing TV broadcasting services. Azam Media Limited has the most significant number of active decoders (subscriptions) followed by StarMedia Limited as shown in Table 2.1.

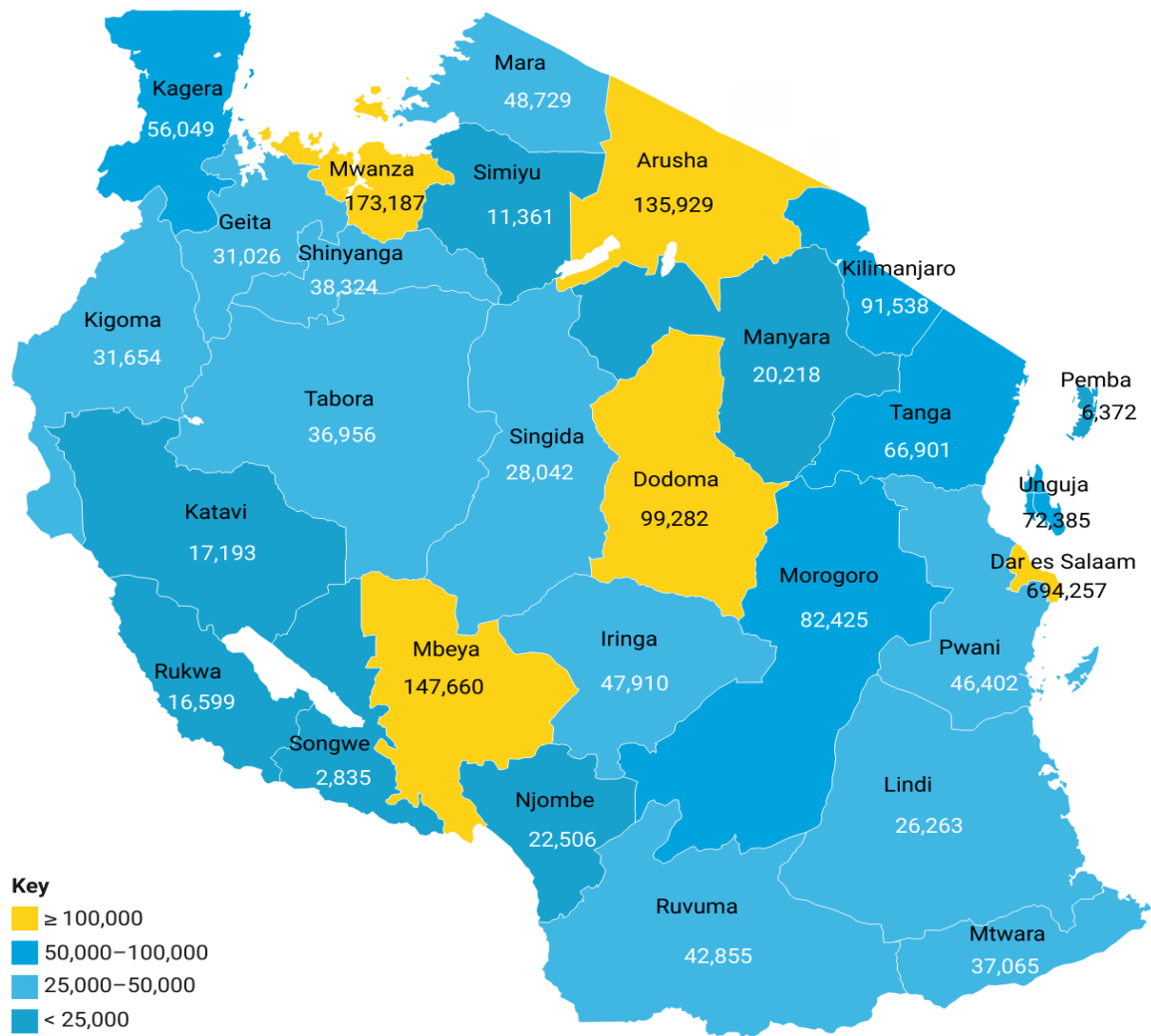
Table 2.1 Number of active decoders per operator as of December 2024

	DTT	DTH	
Azam Media Limited	294,775	1,045,360	1,340,135
Basic Transmissions Limited (Continental)	36,413	31,250	67,663
Multichoice Tanzania Limited (DStv)	0	225,263	225,263
Star Media Limited	232,494	245,033	477,527
Zuku	0	21,335	21,335
Total	563,682	1,568,241	2,131,923

Agape Associates Limited na Basic Transmissions Limited (Digitek) had no active subscriptions for the quarter ending December 2024

Based on the regional distribution of active decoders shown in Map 2.1, Dar es Salaam is ranked first with 694,257 active decoders, followed by Mwanza with 173,187 active decoders, Mbeya is ranked third with 147,660 active decoders and Arusha is ranked fourth with 135,929 decoders as shown in Map 2.1

Map 2.1 Number of active decoders per region



2.2 Cable TV subscriptions

The number of cable TV subscriptions decreased by 12% from 19,153 as of September 2024 to 16,767 as of December 2024, as shown below.

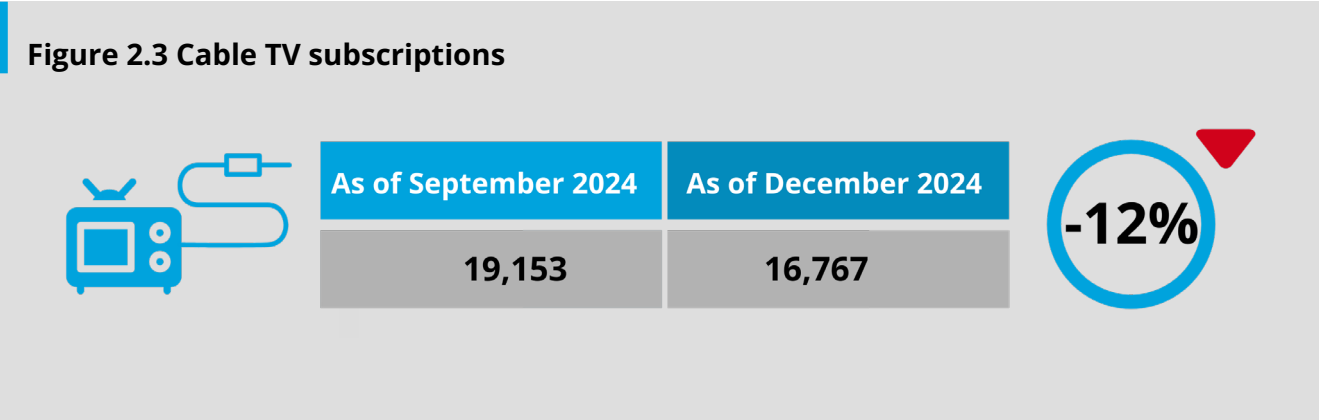
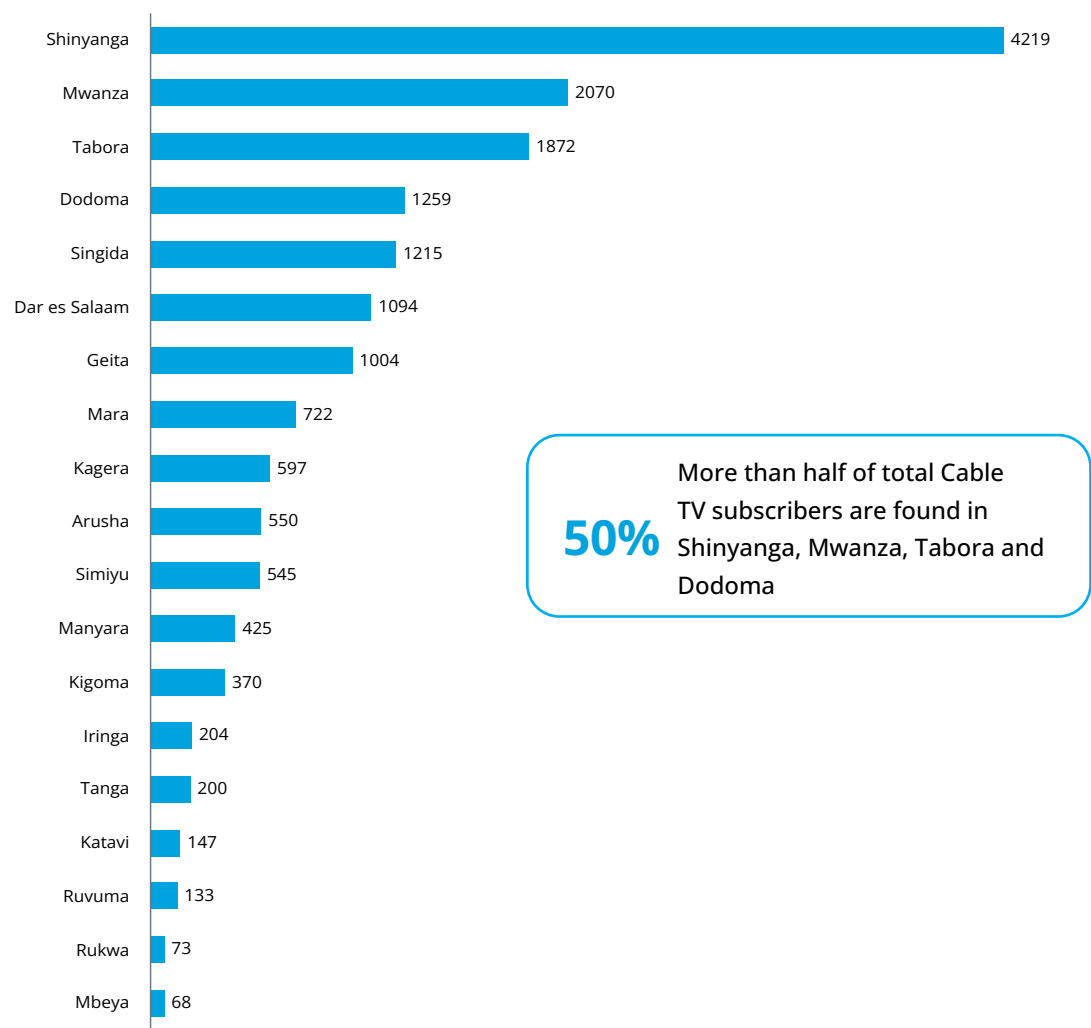


Chart 2.2 Cable TV subscriptions as of December 2024



Among all regions of Tanzania mainland, Shinyanga (4,219) ranked first followed by Mwanza (2,070), Tabora (2,118) and Dodoma (1,259). Regions with the least Cable TV subscriptions are Mbeya (68), Rukwa (73) and Ruvuma (133).

The Quarterly and annual trend for cable TV subscriptions are shown in Table 2.2a and 2.2b.

Table 2.2a Quarterly trend of Cable TV subscription

	March 2024	June 2024	September 2024	December 2024
Subscriptions	15,781	18,820	19,153	16,767

Table 2.2a Trend of Cable TV subscriptions for the past five years

	2020	2021	2022	2023	2024
Subscriptions	14,350	19,739	22,295	16,223	16,767

2.3 Coverage of broadcasting network

The broadcasting signal coverage shown in Table 2.3 highlights significant disparities among DTT, DTH, and FM broadcasting technologies. DTH provides complete coverage geographically and in terms of population, serving as a critical resource for reaching remote areas.

Table 2.3 Broadcasting signal coverage as of December 2024

Indicator	December 2024
Percentage of the population covered by DTT signal	58%
Percentage of the population covered by DTH signal	100%
Percentage of the population covered by FM broadcasting signal	78.3%
Percentage of the geography covered by DTT signal	33%
Percentage of the geography covered by DTH signal	100%
Percentage of the geography covered by FM broadcasting signal	56.7%

2.4 Compliance indicators

Content monitoring was carried out for National Broadcasters (Television and Radio). Compliance was based on the criteria of program line up submission and its adherence, and adherence to 90 minutes for presentation of news, program diversity, content of education nature and adherence to local content.

National Broadcasters are required to provide schedules (timing, order, and duration) and adhere to the programs submitted.

2.4.1 Program line up submission and its adherence

The compliance to program line up submission and adherence for television and radio stations for the quarter under review is shown in Table 2.4.1a and Table 2.4.1b respectively.

Table 2.4.1a Television program line up submission and adherence

Television name	Program Line Up Submission	Adherence to Program Line-Up Submitted
ITV	Non-compliant	Non-compliant
UTV	Compliant	Compliant
Tumaini TV	Compliant	Compliant
Channel Ten	Non-compliant	Non-compliant
East Africa TV	Compliant	Compliant
Star TV Tanzania	Compliant	Non-compliant
TBC 1	Compliant	Compliant
TV Imaan	Compliant	Compliant
Arise and Shine	Compliant	Compliant
WRM TV	Non-compliant	Non-compliant
Clouds TV	Compliant	Non-compliant
Hope Channel Tanzania	Compliant	Non-compliant
Upendo TV	Compliant	Non-compliant
Mahaasin TV	Compliant	Non-compliant
Channel Ten Plus	Non-compliant	Non-compliant
TVE	Compliant	Non-compliant

Table 2.4.1b Radio program line up submission and adherence

Radio name	Program Line Up Submission	Adherence to Program Line-Up Submitted
Radio One	Compliant	Compliant
TBC Taifa	Compliant	Compliant
Adventist World Radio (AWR)	Compliant	Non compliant
Clouds FM	Compliant	Compliant
East Africa Radio	Compliant	Compliant
EFM	Compliant	Non compliant
Wasafi FM	Non-compliant	Non compliant
Magic FM	Compliant	Compliant
TBC International	Compliant	Compliant
Radio Free Africa	Compliant	Compliant
Bongo FM	Compliant	Compliant
Radio Maria	Compliant	Compliant

2.4.2 Program diversity

National Broadcasters are required to provide broad range of content that is fairly diverse in providing information, education and entertainment content so as to cater for different tastes, cultures, and interests of Tanzanians.

The compliance to program diversity, content of educational nature, adherence to presentation of news for television and radio stations in this quarter is shown in Table 2.6.2a and Table 2.6.2b respectively.

Table 2.4.2a Television program diversity

Television name	Program diversity	Content of Education Nature	Adherence to 90 minutes for News
ITV	Compliant	Compliant	Compliant
UTV	Compliant	Compliant	Compliant
Tumaini TV	Compliant	Compliant	Compliant
Channel Ten	Compliant	Compliant	Compliant
East Africa TV	Compliant	Compliant	Compliant
Star TV Tanzania	Compliant	Compliant	Non-compliant
TBC 1	Compliant	Compliant	Compliant
TV Imaan	Compliant	Compliant	Compliant
Arise and Shine	Non-compliant	Non-compliant	Non-compliant
WRM TV	Non-compliant	Non-compliant	Compliant
Clouds TV	Compliant	Compliant	Compliant
Hope Channel Tanzania	Compliant	Compliant	Compliant
Upendo TV	Compliant	Compliant	Compliant
Mahaasin TV	Compliant	Compliant	Non-compliant
Channel Ten Plus	Non-compliant	Non-compliant	Non-compliant
TVE	Compliant	Compliant	Compliant

Table 2.4.2b Radio program diversity

Radio Name	Program Diversity	Content of Education Nature	Adherence to 90 minutes for News
Radio One	Compliant	Compliant	Compliant
TBC Taifa	Compliant	Compliant	Compliant
Adventist World Radio (AWR)	Compliant	Compliant	Non compliant
Clouds FM	Compliant	Compliant	Compliant
East Africa Radio	Compliant	Compliant	Non compliant
EFM	Compliant	Compliant	Non compliant
Wasafi FM	Compliant	compliant	Non-compliant
Magic FM	Non-compliant	Non-compliant	Non-compliant
TBC International	Compliant	Compliant	Compliant
Radio Free Africa	Compliant	Compliant	Compliant
Bongo FM	Compliant	Compliant	Compliant
Radio Maria	Compliant	Compliant	Compliant

2.4.3 Adherence to local content

National Broadcasters are required to ensure that 60% of aired content is produced locally, reflecting the culture, language, and interests of the local audience.

The compliance to adherence to local content in the quarter under review is shown in Table 2.6.3a and Table 2.6.3b below.

Table 2.4.3a Television adherence to local content

Television name	Adherence to local content		
	Relevance to society	Language (Kiswahili or English)	60% local content production Diversity
ITV	Compliant	Compliant	Compliant
UTV	Compliant	Compliant	Compliant
Tumaini TV	Compliant	Compliant	Compliant
Channel Ten	Compliant	Compliant	Compliant
East Africa TV	Compliant	Compliant	Compliant
Star TV Tanzania	Compliant	Compliant	Compliant
TBC 1	Compliant	Compliant	Compliant
TV Imaan	Compliant	Compliant	Compliant
Arise and Shine	Compliant	Compliant	Compliant
WRM TV	Compliant	Compliant	Compliant
Clouds TV	Compliant	Compliant	Compliant
Hope Channel Tanzania	Compliant	Compliant	Compliant
Upendo TV	Compliant	Compliant	Compliant
Mahaasin TV	Compliant	Compliant	Compliant
Channel Ten Plus	Compliant	Compliant	Compliant
TVE	Compliant	Compliant	Compliant

Table 2.4.3b Radio adherence to local content

Radio name	Adherence to local content		
	Relevance to society	Language (Kiswahili or English)	60% local content production Diversity
Radio One	Compliant	Compliant	Compliant
TBC Taifa	Compliant	Compliant	Compliant
Adventist World Radio (AWR)	Compliant	Compliant	Compliant
Clouds FM	Compliant	Compliant	Compliant
East Africa Radio	Compliant	Compliant	Compliant
EFM	Compliant	Compliant	Compliant
Wasafi FM	Compliant	Compliant	Compliant
Magic FM	Compliant	Compliant	Compliant
TBC International	Compliant	Compliant	Compliant
Radio Free Africa	Compliant	Compliant	Compliant
Bongo FM	Compliant	Compliant	Compliant
Radio Maria	Compliant	Compliant	Compliant

2.5 Broadcasting licences

Category	Number of licenses	
	September 2024	December 2024
National Content Television (FTA) Licences	16	17
District Content Television (FTA) Licences	22	21
National Content Radio Licences	14	14
Regional Content Radio Licences	33	33
District Content Radio Licences	182	186
Community Radios	17	17
Community Televisions	-	-
National Content Televisions by Subscription	28	28
District Content Televisions by Subscription	1	1
National Content (support services)	3	3
Online Content Aggregators	6	6
Weblogs (Blogs)	66	66
Online Radios	10	10
Online Televisions	210	199
Cable Televisions	63	58

Chapter 03

Postal and Courier Services



3. Postal & Courier Services

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

3.1 Letter boxes and private bags

Tanzania Posts Corporation (TPC) provides basic postal services of letter boxes and private bags to private individuals and corporate customers. During the period from October to December 2024, there was no change in the number of letter boxes and private bags as shown in Table 3.1.

Table 3.1 TPC letter boxes and private bags

Reporting Month	No. of Letter Boxes	No. of Private Bags	Total
October	158,006	47	158,053
November	158,006	47	158,053
December	158,006	47	158,053

3.2 Courier customers

Courier customers for this quarter are shown in Table 3.2.

Table 3.2 Courier customers

Reporting Month	Corporate Customers	Individual Customers	Total
October	1,260	51,528	52,788
November	1,160	53,341	54,501
December	969	62,697	63,666

Data in Table 3.2 indicates that there were more individual courier service customers than corporate customers.

3.3 Posted items

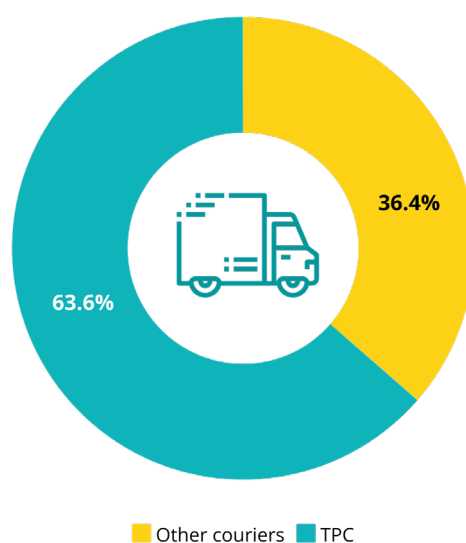
3.3.1 Domestic posted items

The number of domestic posted items in this quarter is shown in Table 3.3.1 The statistics show that documents were the most posted items in this quarter, followed by letter mails. Packets were the least posted items in the quarter.

Table 3.3.1 Domestic posted items

Reporting Month	Letter Mails	Parcels	Packets	Documents	Cargo	Total
October	63,094	49,807	2,877	49,569	103	165,450
November	49,095	32,893	3,650	44,265	2,042	131,945
December	56,794	47,159	5,593	52,170	13,105	174,821
	168,983	129,859	12,120	146,004	15,250	472,216

The market shares for the domestic posted items accounted by TPC was 63.6% while other courier services providers was 36.4 % as shown in Chart 3.3.1

Chart 3.3.1 Market share for the domestic posted items

3.3.2 International posted items

The number of international items posted through TPC and other couriers is shown in the Table 3.3.2a.

Table 3.3.2a Number of international posted items

	July to Sept 2024	Oct to Dec 2024
TPC	18,483	47,399
Other Couriers	15,083	16,595
Total	33,566	63,994

Table 3.3.2b shows the number of international posted items which indicates that letter mails were the most posted items to international in this quarter, followed by documents and parcels.

Table 3.3.2b Number of international posted items

Reporting Month	Letter Mails	Parcels	Packets	Documents	Postal Cargo	Total
October	9,303	578	93	1,213	214	11,401
November	14,854	4,345	1,117	4,079	394	24,789
December	19,841	3,912	198	3,783	70	27,804
Total	43,998	8,835	1,408	9,075	678	63,994

3.4 Delivered items

3.4.1 Domestic delivered items

The total number of domestic delivered items through TPC and other couriers was 480,757 as shown in Table 3.4.1.

Table 3.4.1 Domestic delivered items

Reporting Month	Letter Mails	Parcels	Packets	Documents	Postal Cargo	Total
October	48,039	48,216	2,685	51,611	7	150,558
November	45,369	31,954	4,164	41,756	1,738	124,981
December	77,735	45,305	5,413	63,873	12,892	205,218
Total	171,143	125,475	12,262	157,240	14,637	480,757

3.4.2 International delivered items

The number of international delivered items was 93,527 in the quarter ending December 2024 as shown in Table 3.4.2a.

Table 3.4.2a International delivered items for the quarter ending December 2024

	July to Sept 2024	Oct to Dec 2024
TPC	38,668	53,390
Other Couriers	22,044	40,137
Total	60,712	93,527

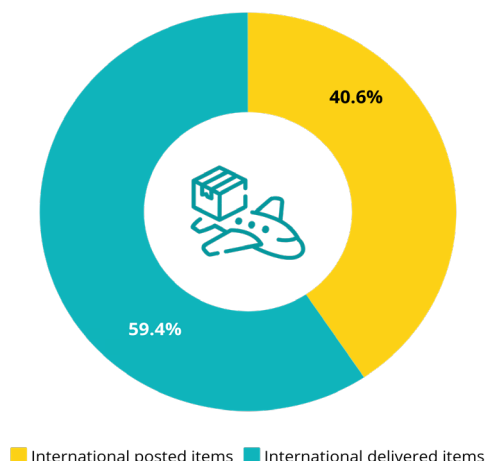
The international delivered items in Table 3.4.2b shows that letter mail was the most delivered in this quarter. Cargo were the least delivered items in the quarter.

Table 3.4.2b International delivered items for the quarter ending December 2024

Reporting Month	Letter Mails	Parcels	Packets	Documents	Postal Cargo	Total
October	12,841	1,679	2,341	610	218	17,689
November	42,794	5,869	4,395	805	190	54,053
December	10,837	3,112	5,977	1,824	35	21,785
Total	66,472	10,660	12,713	3,239	443	93,527

The market shares of international posted and delivered items are shown in Chart 3.4. The chart shows that Tanzanians post fewer items (40.6%) compared to delivered (59.4%).

Chart 3.4 Share of international posted and delivered items



3.5 Quality of services (QoS)

During the period under review, Quality of Service (QoS) tests were conducted in Inter- Town zone A and B to evaluate how effectively domestic courier services complied with the delivery standards set by QoS regulations.

Inter-Town Zone A, includes towns of Arusha, Moshi, Tanga, Morogoro, Kibaha, Dodoma, Mbeya, Mwanza, Iringa, and Unguja, the standard requires that 85% of items be delivered by the next day (D+1). Inter-Town Zone B, includes towns of Tabora, Shinyanga, Kahama, Bariadi, Geita, Singida, Bukoba, Musoma, Kigoma, Mtwara, Lindi, Songea, Sumbawanga, Songwe, Mpanda, Babati, Njombe, Mkoani, and Chakechake, the standard requires 88% of items to be delivered within three days (D+3). The tests are presented in Table 3.5a and 3.5b.

Table 3.5a QoS indicator – Speed of delivery for Inter-Town Zone A target: Day+1(85%)

Licensee name	Compliance status
Little Tanzania Limited	compliant
Tanzmovers Limited	compliant
Kimbinyiko International Co. Ltd	compliant
Mwanga Logistics And Distribution Ltd	compliant
Madeira Courier Services	compliant
Blaze Concierge And Courier Services Limited	compliant
Simba Logistic Equipment Supply Co. Ltd	compliant
Segax Group Limited	compliant
Sga Cash In Transit (T) Limited	Not compliant
Ellymo Company Limited	Not compliant
Kleafast couriers and logistics	Not compliant
Ndengaro Company Limited	Not compliant
Jonz Express Logistics And Supplies Limited	Not compliant
Cmtl Group Limited	Not compliant
Marathon Logistics Limited	Not compliant
Geamos Company Limited	Not compliant
Easy Movers And Shipping Limited	Not compliant

Table 3.5b QoS indicator – Speed of delivery for Inter-Town Zone B target: Day + 3 (88%)

Licensee name	Compliance status
Ellymo Company Limited	compliant
Blaze Concierge And Courier Services Limited	compliant
Marathon Logistics Limited	compliant
Simba Logistic Equipment Supply Co. Ltd	compliant
Sga Cash In Transit (T) Limited	compliant
Segax Group Limited	compliant
Mwanga Logistics And Distribution Ltd	compliant
Geamos Company Limited	compliant
Jonz Express Logistics And Supplies Limited	compliant
Kleafast couriers and logistics	Not Compliant
Ndengaro Company Limited	Not Compliant
Easy Movers And Shipping Limited	Not Compliant
Cmtl Group Limited	Not Compliant

TCRA has taken and will continue to take regulatory measures to all licencees who fail to comply with QoS parameters as provided in the Electronic and Postal Communications (Quality of Service) Regulations, 2018.

3.6 Licences

Postal and Courier		
Category	Number of licenses	
	September 2024	December 2024
International Courier	6	6
East Africa Courier	2	2
Intercity Transporters	76	79
Intracity Courier	16	18
Domestic Courier	47	47
Public Postal	1	1

4. Conclusion

In summary, this report provides the progress achieved in the communications sector by December 2024. It describes the statistical changes and trends in the sub-sectors of telecommunications and Internet, Broadcasting and Postal and courier services for the quarter ending December 2024 compared to the quarter ending September 2024. These statistics are important for measuring the development of the sector and identifying opportunities emerging in the communication sector.

During the period under review, the telecommunications and internet sub-sector showed an increase in the development of telecommunication infrastructure and the number of people reached by the services. Population coverage of 3G network reached 91% and 4G network reached 88%, while geographical coverage of 3G and 4G networks reached 74% percent and 71% respectively. In addition, 5G population coverage reached 20 %.

The number of SIM cards and the use of communication services increased significantly during this period. The presence of strong competition between service providers helped increase innovation and reduced or maintained service tariffs. Service innovation and competitive pricing benefited consumers by providing them with better options and value for money in using communications services.

The broadcasting sub-sector also showed developments, especially in the availability of services, coverage and the increase in the number of service users. The number of people reached by the Radio FM service reached 78.3% while the population covered by digital terrestrial television (DTT) service reached 58%.

The Tanzania Post Corporation and other courier companies continued to play a major role in the economy by facilitating transportation of documents, packages and parcels. The increase in online business has created an opportunity for home and office delivery services. The Authority will continue to promote the use of modern technologies in tracking courier services to meet customer expectations and improve the performance in this sub-sector.

In general, the progress achieved in the communications sector underscores its critical role in driving the digital economy. The expansion of telecommunication infrastructure, increased access to 3G, 4G, and emerging 5G networks, as well as advancements in broadcasting and courier services, highlight the sector's transformative impact. Enhanced connectivity, service innovation, and competitive pricing are empowering individuals and businesses, fostering economic inclusion, and enabling the growth of e-commerce and digital services. Moving forward, continued investment in modern technologies and infrastructure will be essential to harness the full potential of the digital economy and ensure its benefits reach all segments of the population.



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