

THE UNITED REPUBLIC OF TANZANIA
TANZANIA COMMUNICATIONS REGULATORY AUTHORITY

ISO 9001:2015 CERTIFIED



COMMUNICATIONS STATISTICS

Quarter 2 - 2021/2022
December 2021 Report

Table of Contents

A: TELECOM SERVICES

1. Telecom Services Tariffs
 2. Telecom Services Subscriptions
 3. Voice Traffic Minutes
 4. Short Message (SMS) Traffic
-

B: MOBILE MONEY SERVICES

1. Mobile Money Subscriptions
 2. Mobile Money Market Shares
-

C: INTERNET SERVICES

1. Estimate of Internet Users
 2. Internet Data Traffics
-

D: BROADCASTING SERVICES

1. DTT Active Decoders
 2. DTH Active Decoders
-

F: SUMMARY OF STATISTICS

1. Telecom Statistics
 2. Internet Services Statistics
 3. Broadcasting Services Statistics
 4. Postal & Courier Statistics
-

E: POSTAL & COURIER SERVICES

1. Posted Items
 2. Delivered Items
-

A: TELECOM SERVICES

1. TELECOM TARIFFS (Voice, SMS and Data) as of December 2021

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

1.1 Voice Tariffs

Fig 1.1a On Net Voice Tariff

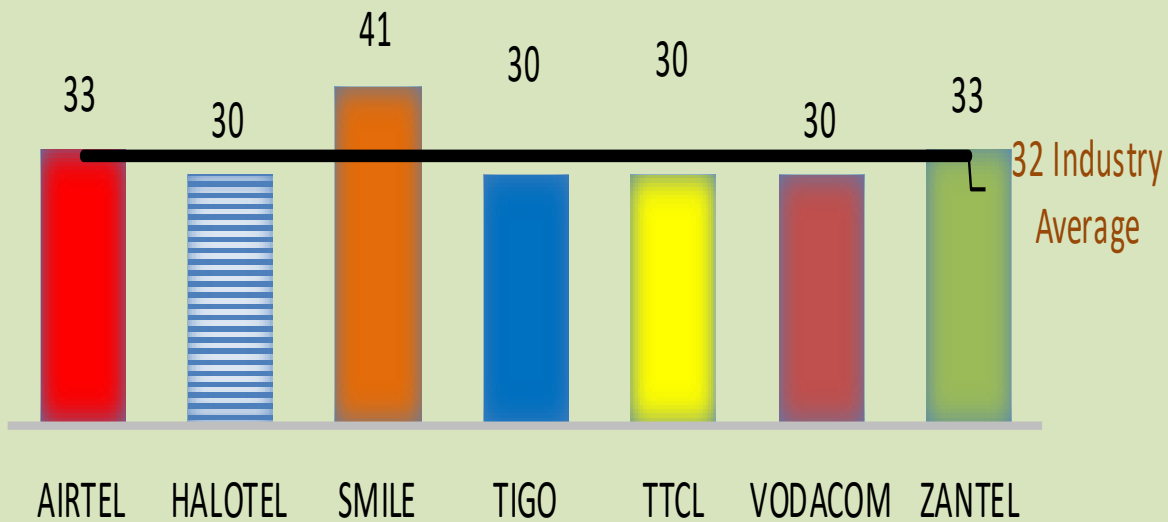


Fig 1.1b Off Net Voice Tariff

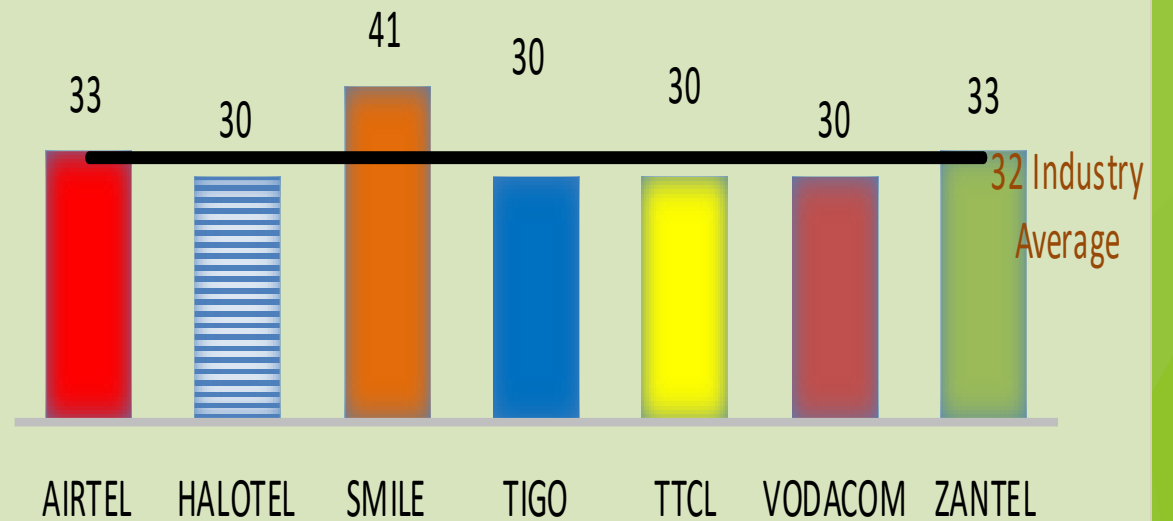


Fig 1.2c East Africa Voice Tariffs in TZS

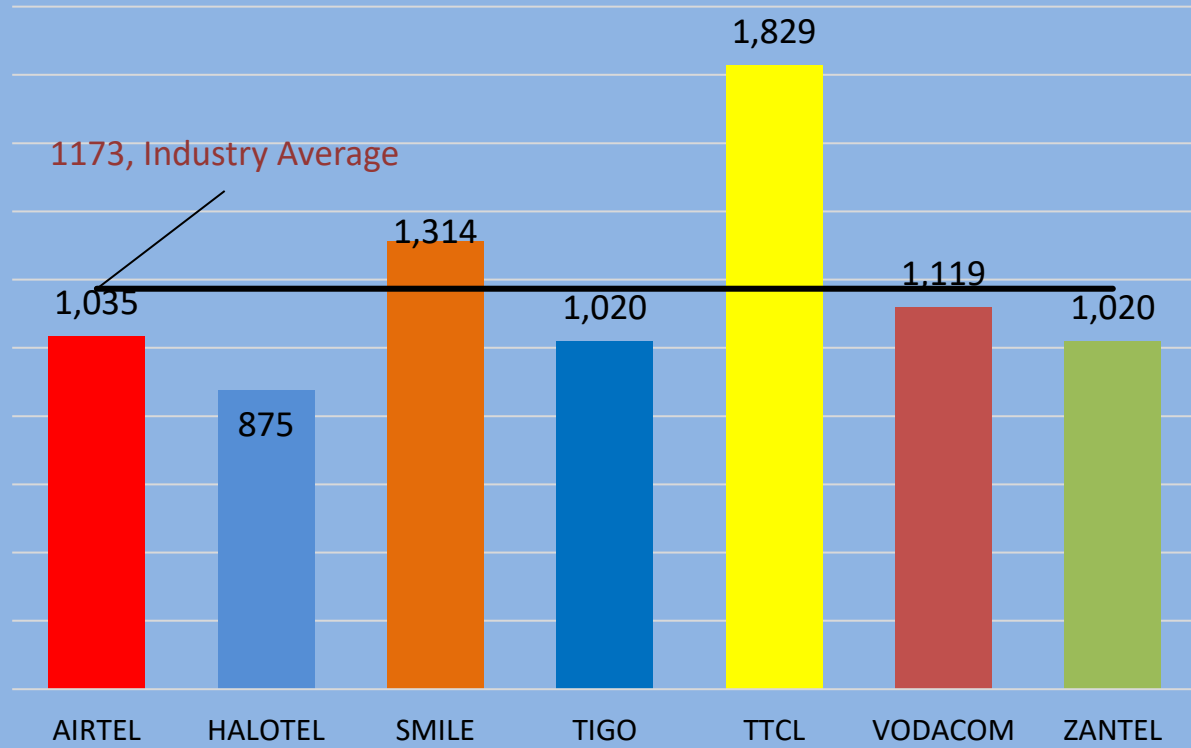
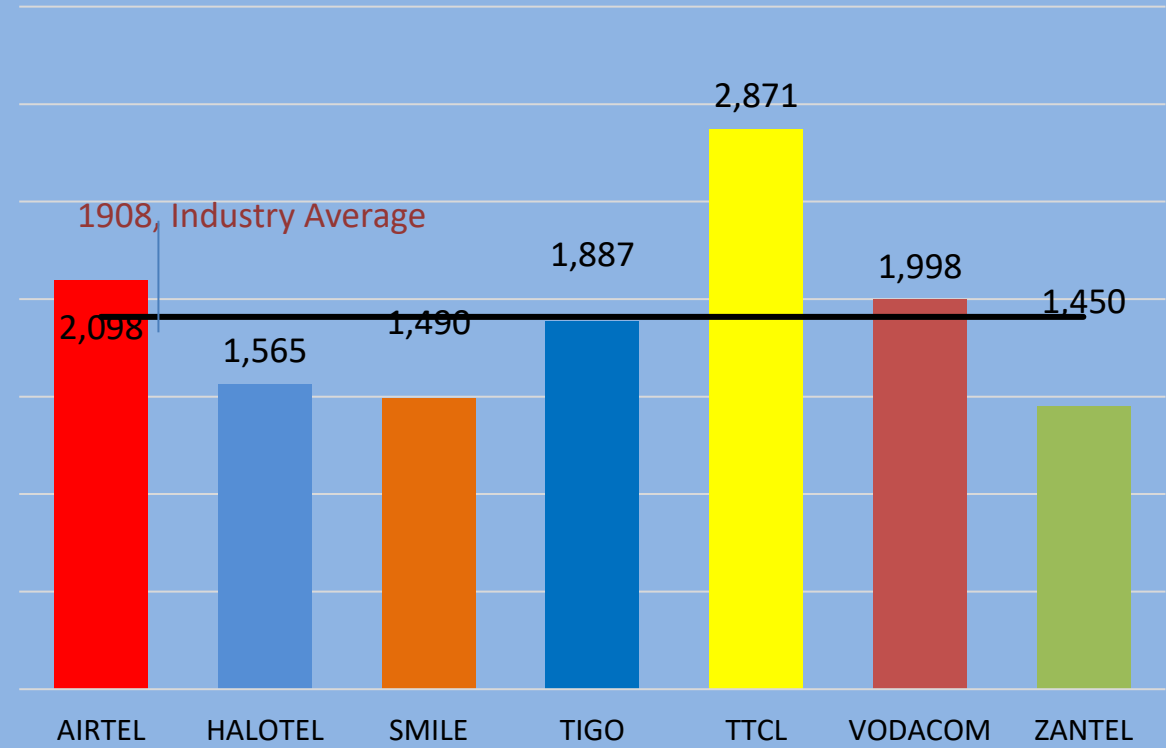


Fig 1.2d International Voice Tariffs in TZS



1.2 SMS Tariffs

Fig 1.3e Local SMS Tariffs in TZS

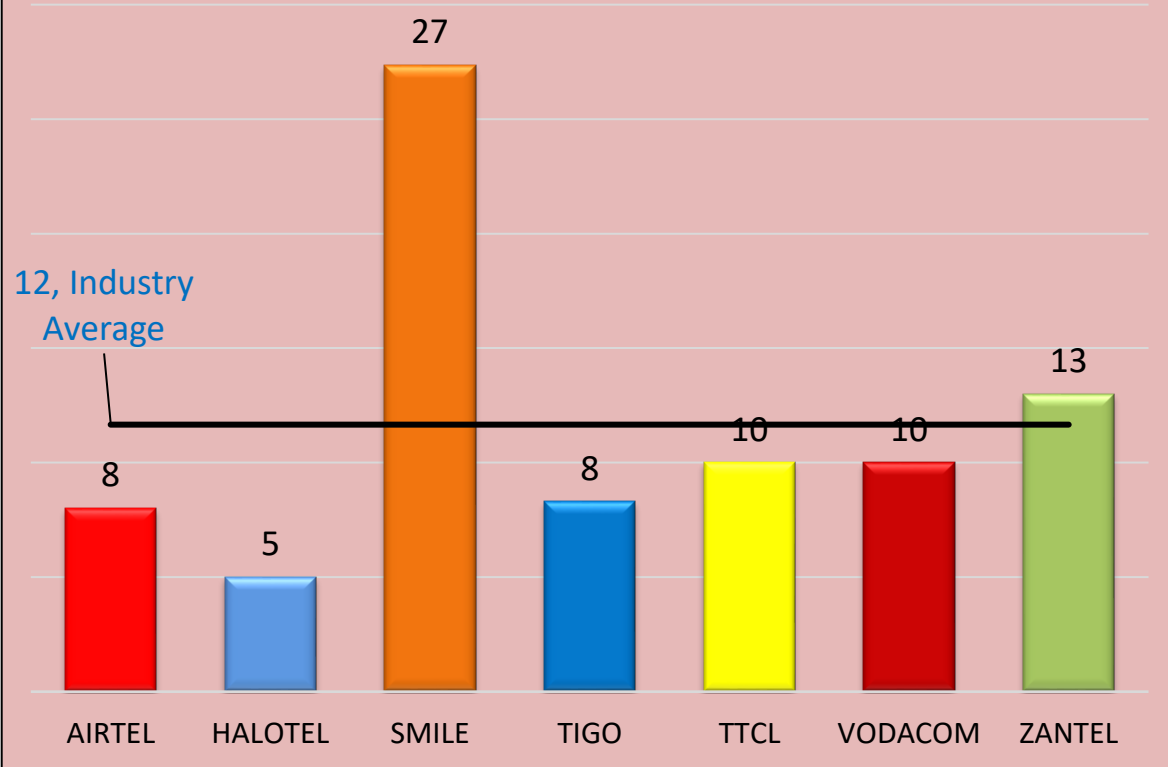
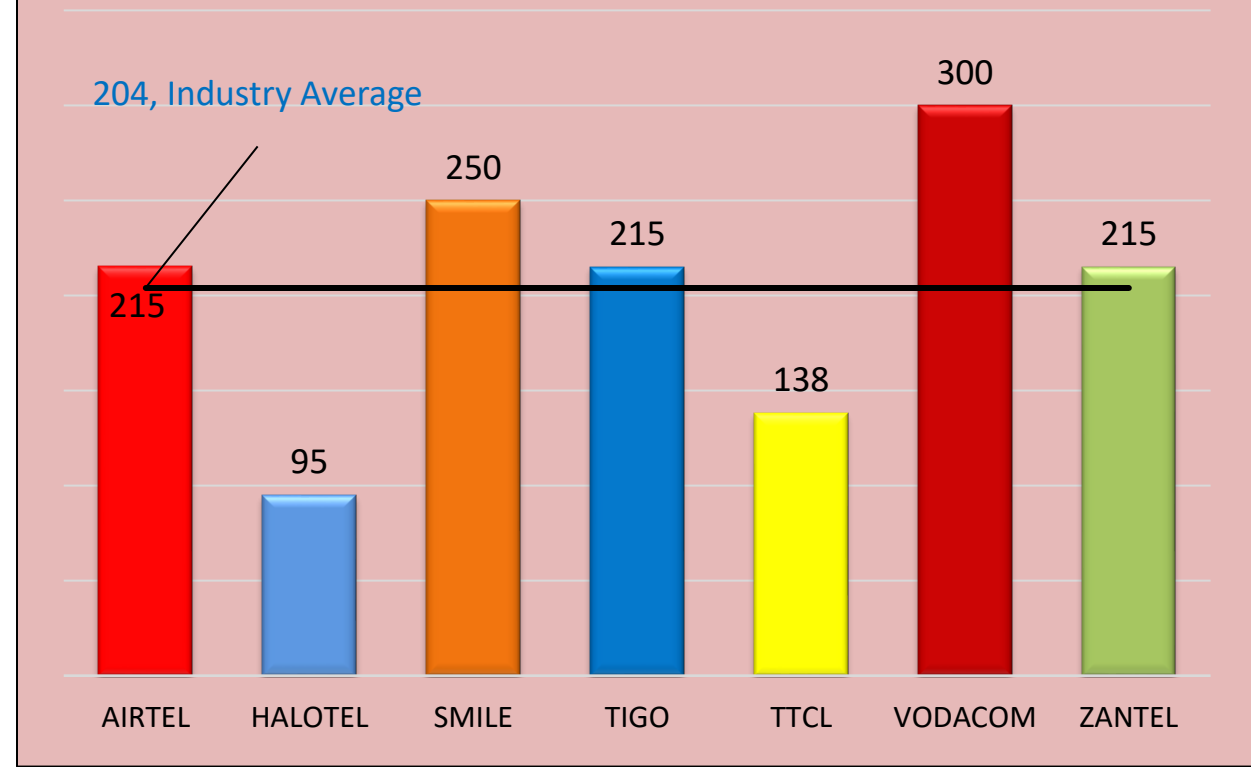
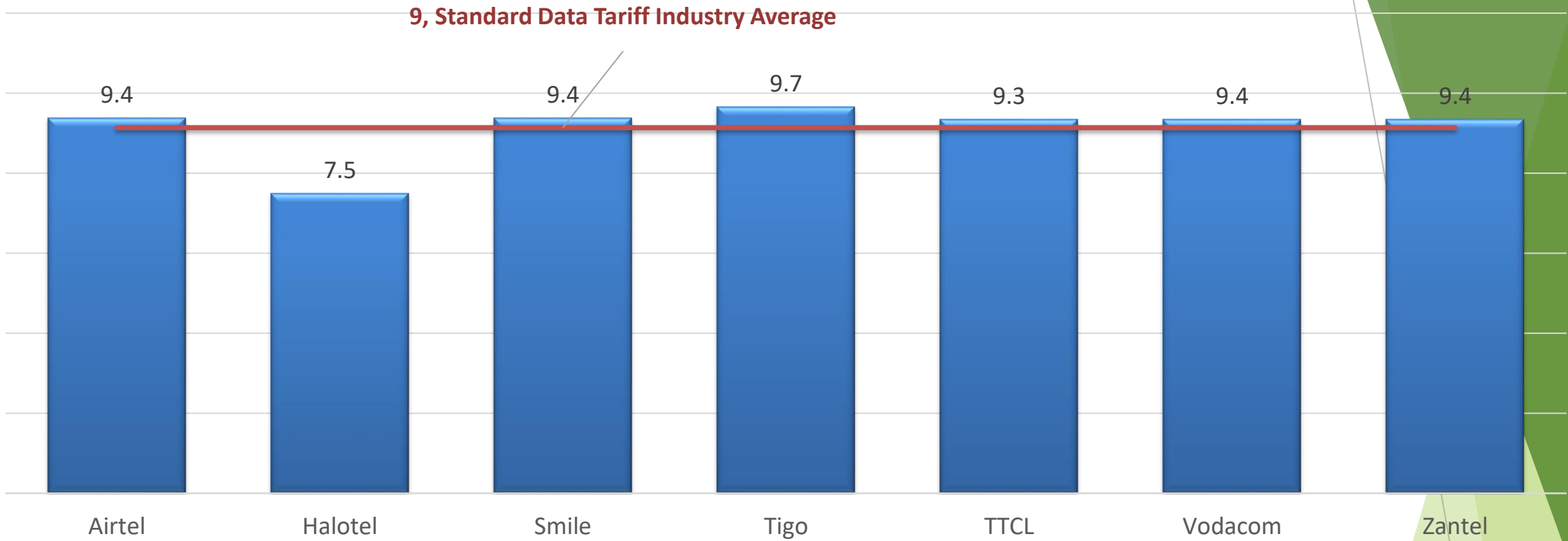


Fig 1.3f International SMS Tariffs in TZS



1.3 Standard Data Tariffs

Fig. 1.3a Standard Data Tariff in TZS



1.4 Disaggregated Bundle Tariffs

Fig. 1.4a Disaggregated Voice Bundle (On-Net)

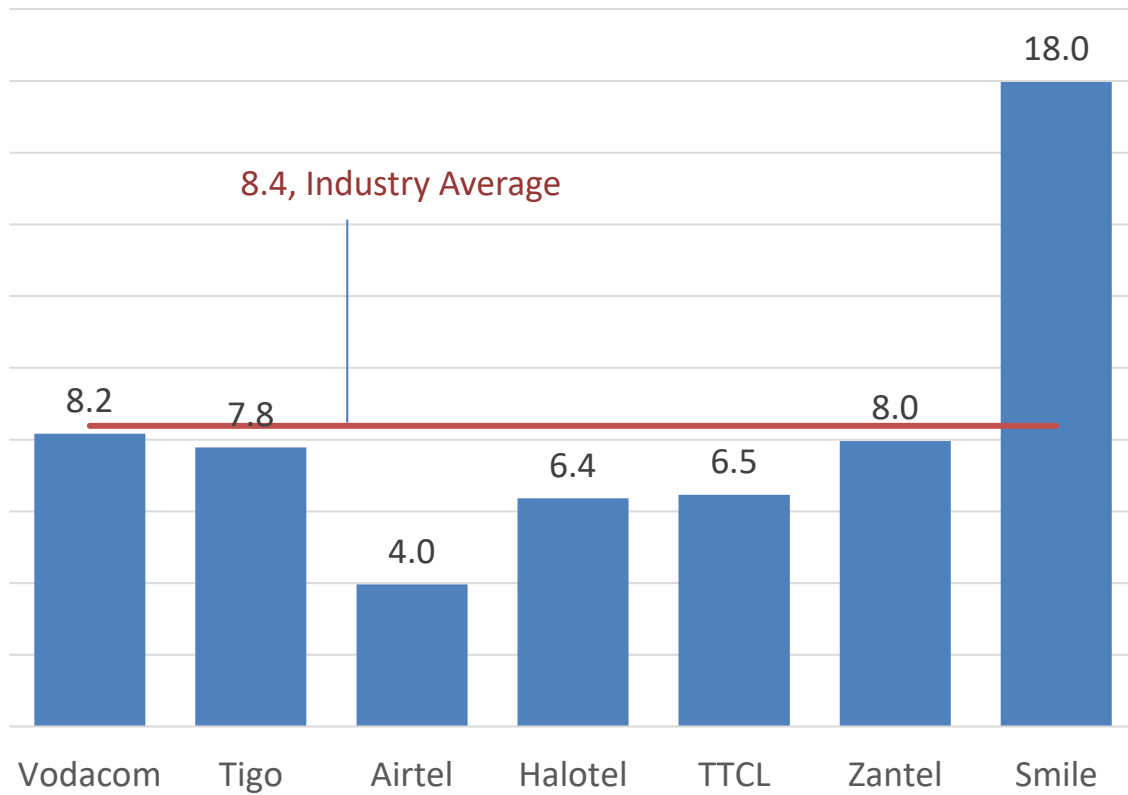


Fig. 1.4b Disaggregated Voice Bundle Tariff (Off Net)

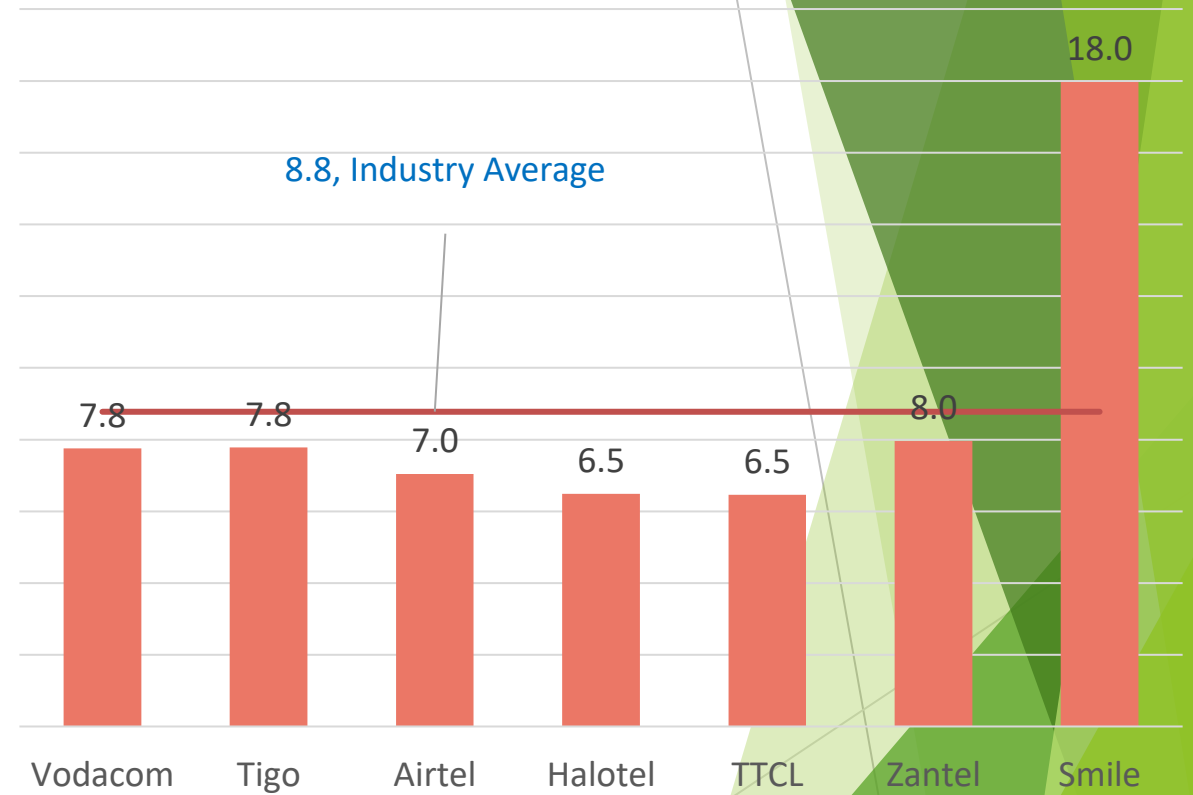


Fig 1.4d Disaggregated SMS Bundle Tariff in TZS

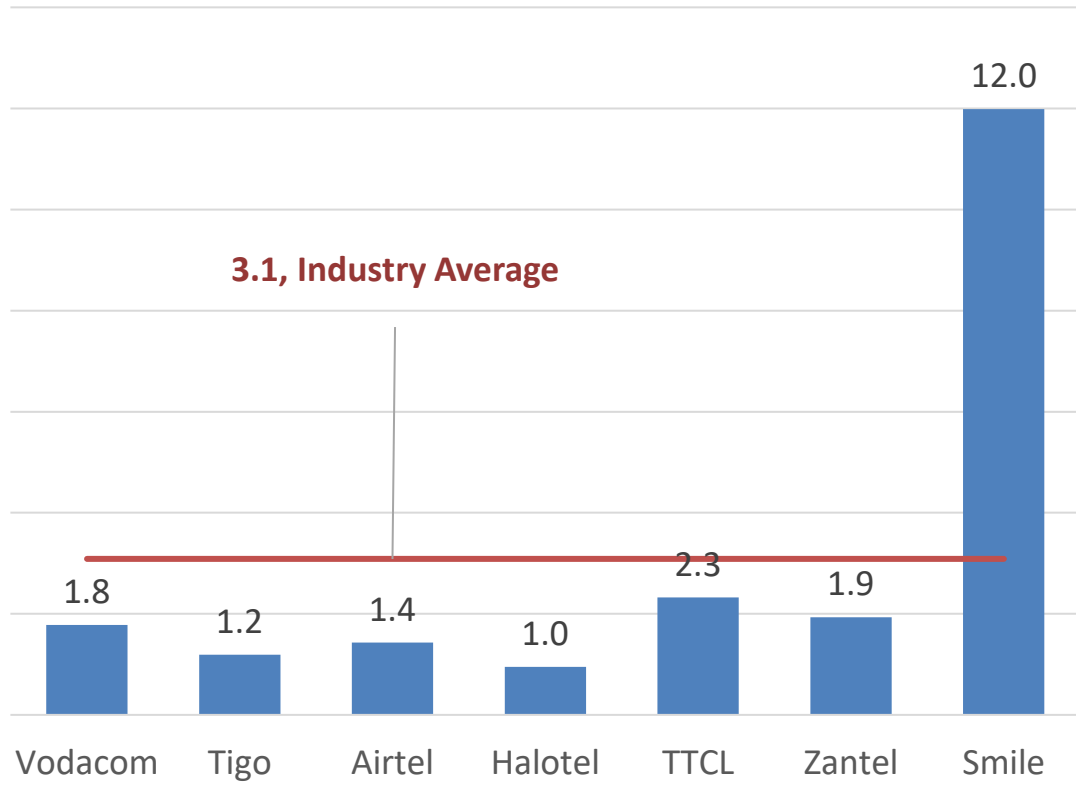
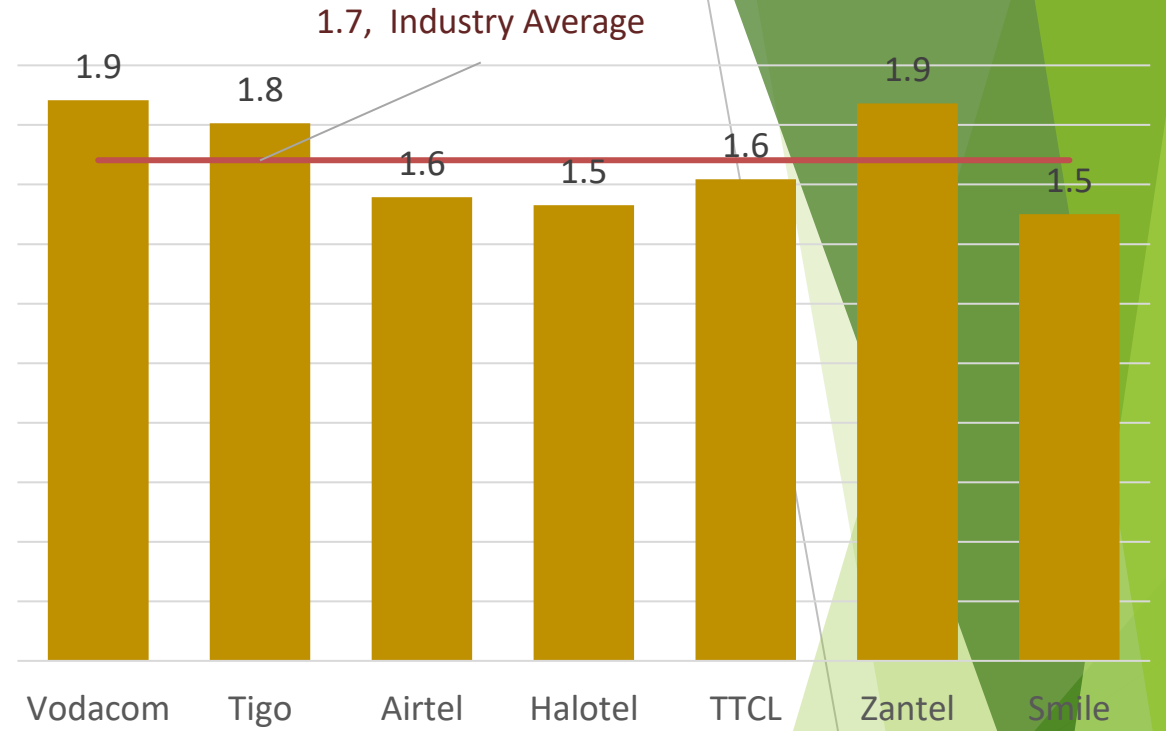


Fig. 1.4e Disaggregated Data Bundle Tariff in TZS



1.5 Overall Summary of Industry Average Tariffs (IAT)

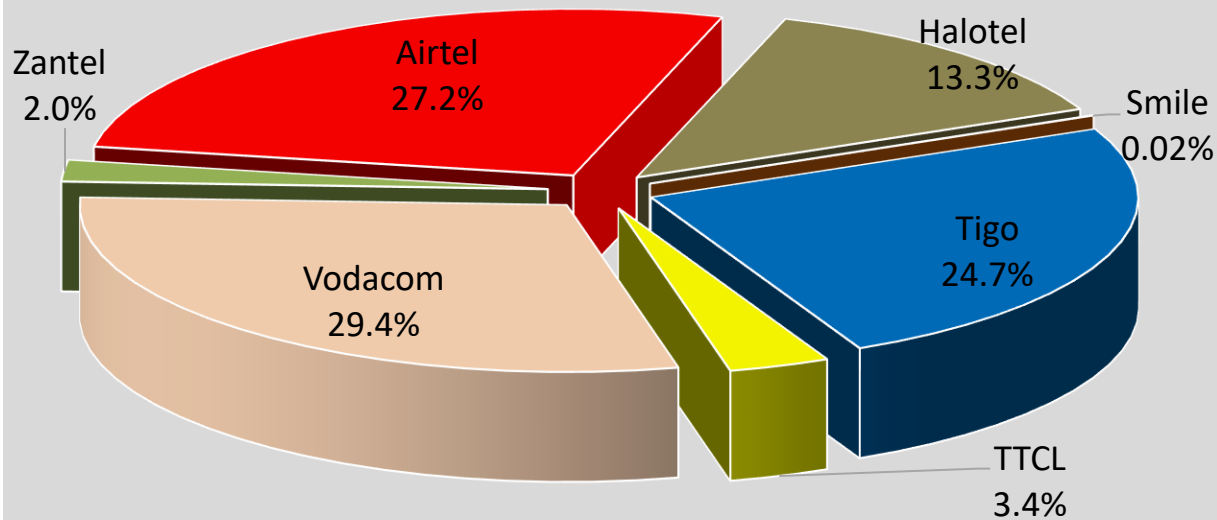
Destination	Basic Tariffs (Price/Min)		Disaggregated Bundle Tariff (Price / unit)
On Net	32	On Net Min	8.4
Off Net	32	Off Net Min	8.8
EA	1,173	SMS	3.1
Other Int.	1,908	MB	1.7
Local SMS	12		
International SMS	204		

2. TELECOM SERVICES SUBSCRIPTIONS

2.1. Number of Telecom Subscriptions and Market Shares

Operator	OCTOBER	NOVEMBER	DECEMBER
Airtel	14,792,291	14,628,482	14,700,426
Halotel	7,335,904	7,525,008	7,200,140
Smile	12,200	11,038	11,600
Tigo	13,447,454	13,835,874	13,369,276
TTCL	1,541,925	1,735,845	1,813,719
Vodacom	16,209,301	15,595,004	15,913,553
Zantel	1,175,469	1,162,485	1,107,504
TOTAL	54,514,544	54,493,736	54,116,218

Fig. 2.1 Operators' Subscription Market Shares

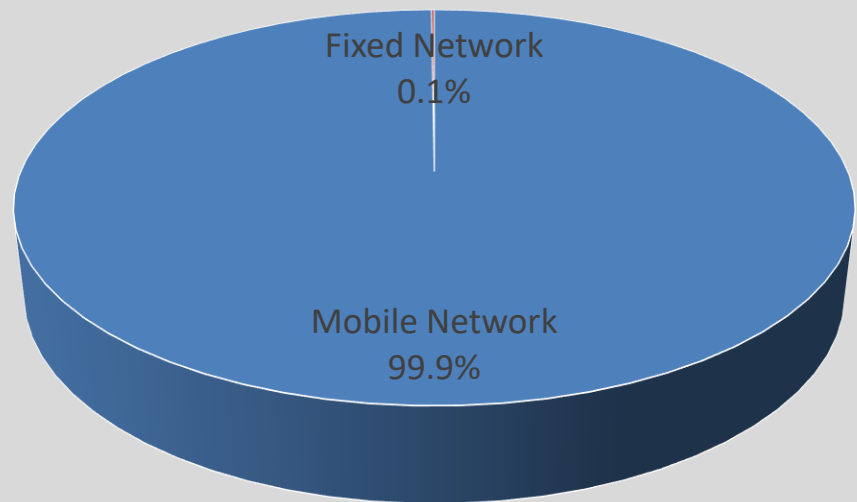


This is the subscription Market Shares for December 2021

2.2 Subscriptions to Mobile and Fixed Network

NETWORK	OCTOBER	NOVEMBER	DECEMBER
Mobile Network	54,443,736	54,422,101	54,044,384
Fixed Network	70,808	71,635	71,834
TOTAL	54,514,544	54,493,736	54,116,218

Fig.2.2: Mobile and Fixed Operators Subscription Market Shares

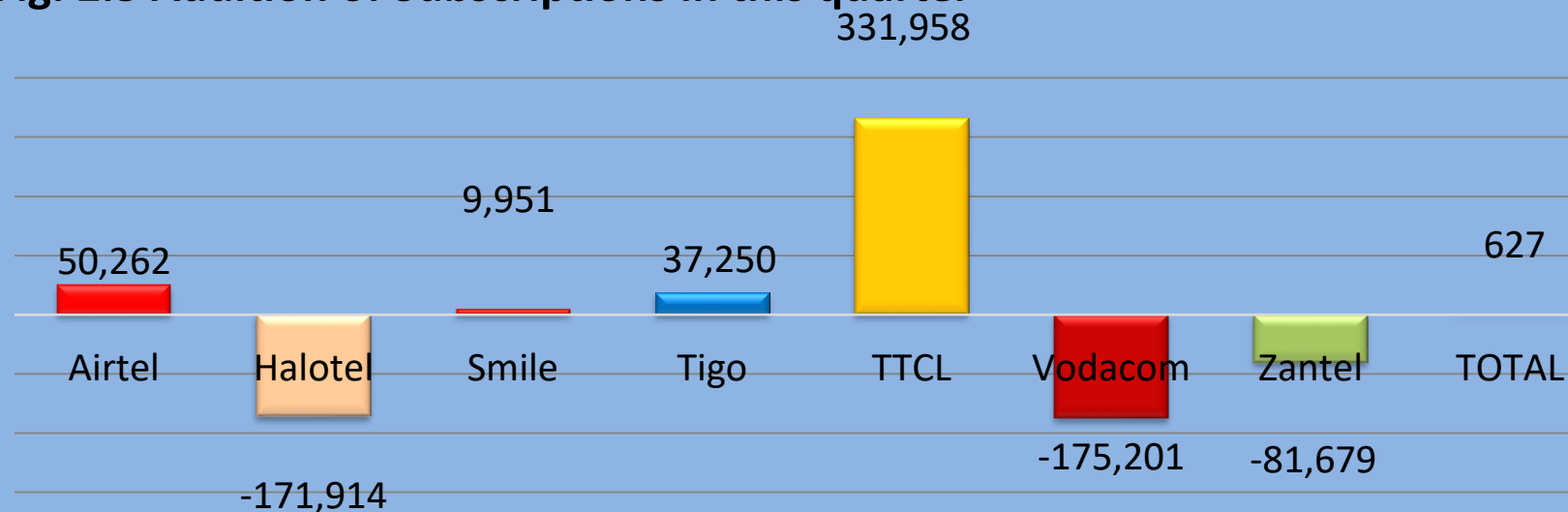


Market Share for December
2021

2.3 Addition of Subscriptions per Operator in this quarter

Operator	OCTOBER	NOVEMBER	DECEMBER	Net addition
Airtel	142,127	-163,809	71,944	50,262
Halotel	-36,150	189,104	-324,868	-171,914
Smile	10,551	-1,162	562	9,951
Tigo	115,428	388,420	-466,598	37,250
TTCL	60,164	193,920	77,874	331,958
Vodacom	120,547	-614,297	318,549	-175,201
Zantel	-13,714	-12,984	-54,981	-81,679
TOTAL	398,953	-20,808	-377,518	627

Fig. 2.3 Addition of Subscriptions in this quarter

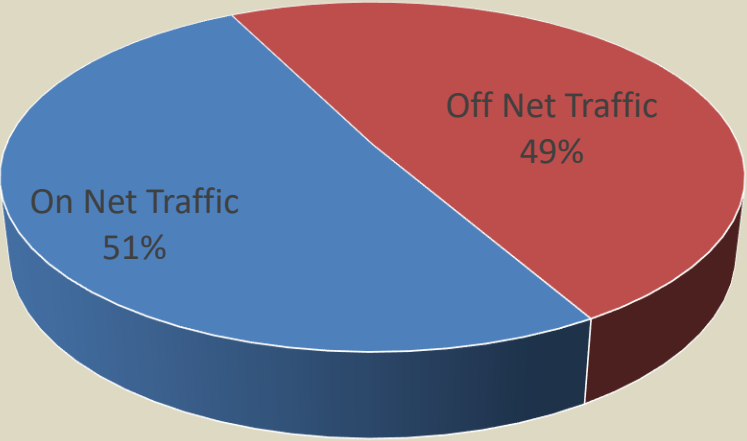


3. VOICE MINUTES TRAFFIC

3.1 Local Traffic

Destination	OCTOBER	NOVEMBER	DECEMBER	TOTAL
On Net Traffic	4,558,610,370	4,495,251,197	4,584,037,992	13,637,899,559
Off Net Traffic	4,292,826,008	4,304,064,988	4,546,908,227	13,143,799,223
TOTAL	8,851,436,378	8,799,316,185	9,130,946,219	26,781,698,782

Fig. 3.1 Local Traffic Minutes Proportions



3.2 International Traffic

Destination	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Traffic to EA	737,616	688,251	751,695	2,177,562
Traffic From EA	1,289,103	1,200,377	1,211,227	3,700,707
Traffic to other Int	2,887,760	1,834,859	1,830,463	6,553,082
Traffic From Other Int	4,049,235	3,855,097	4,001,571	11,905,903

Fig 3.2a Traffic Minutes to/From EA Countries

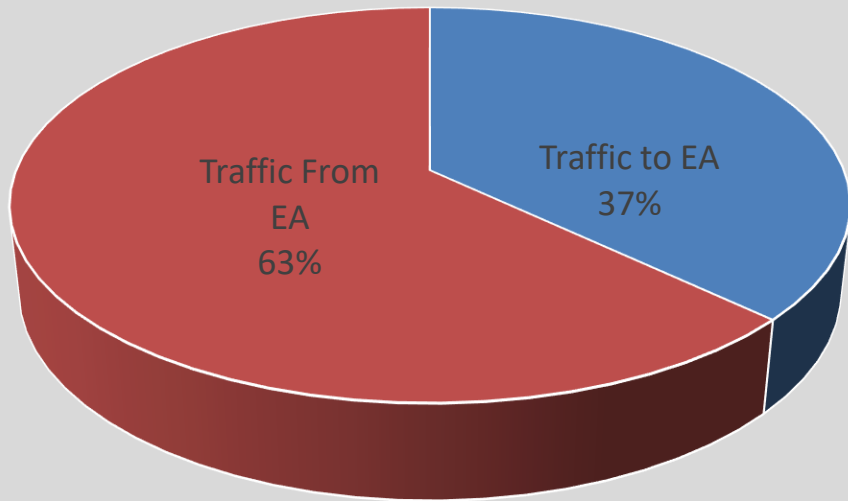
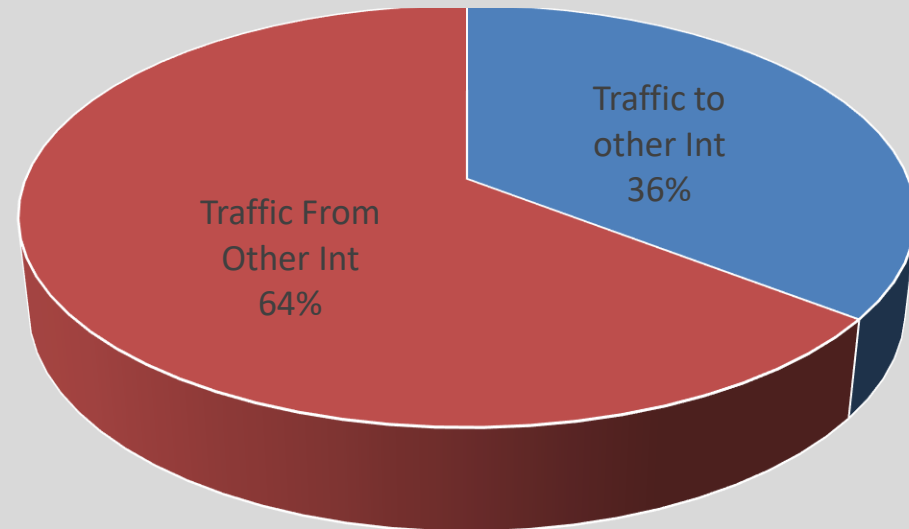
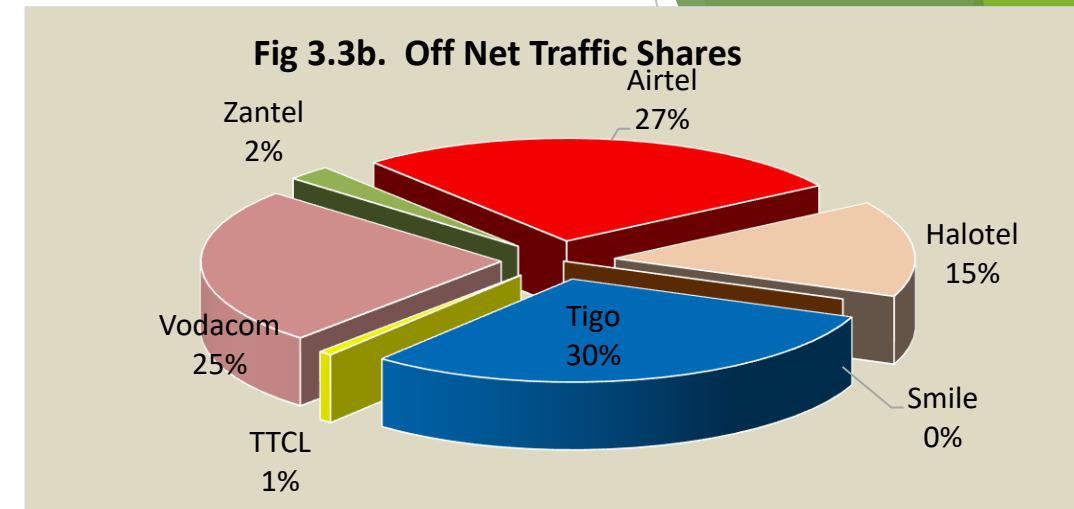
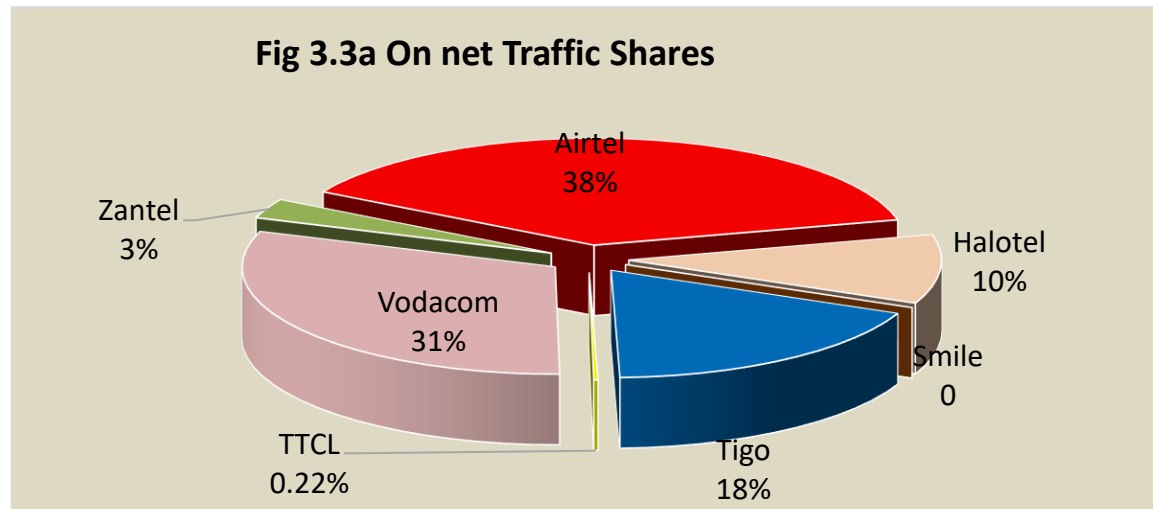


Fig 3.2b Traffic Minutes to/From other Internationals

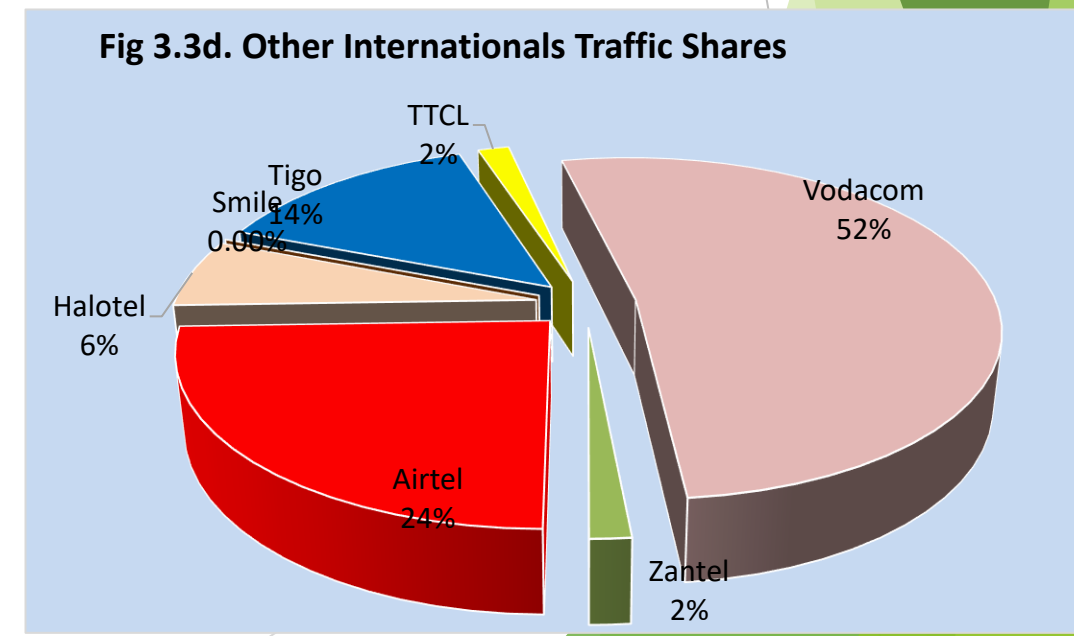
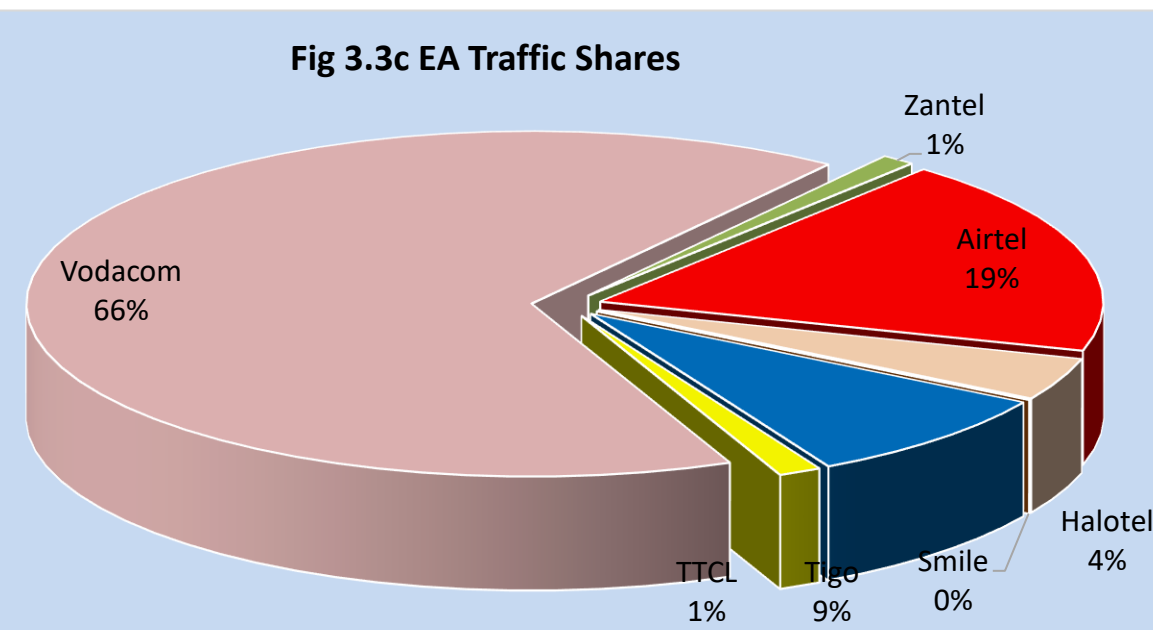


3.3 Percentage Shares of Traffic Minutes Per Operators as of December 2021

3.3(a) Local Traffic Minutes



3.3(b) International Traffic



3.4 Average Minutes Used Per Subscriptions (AMU)

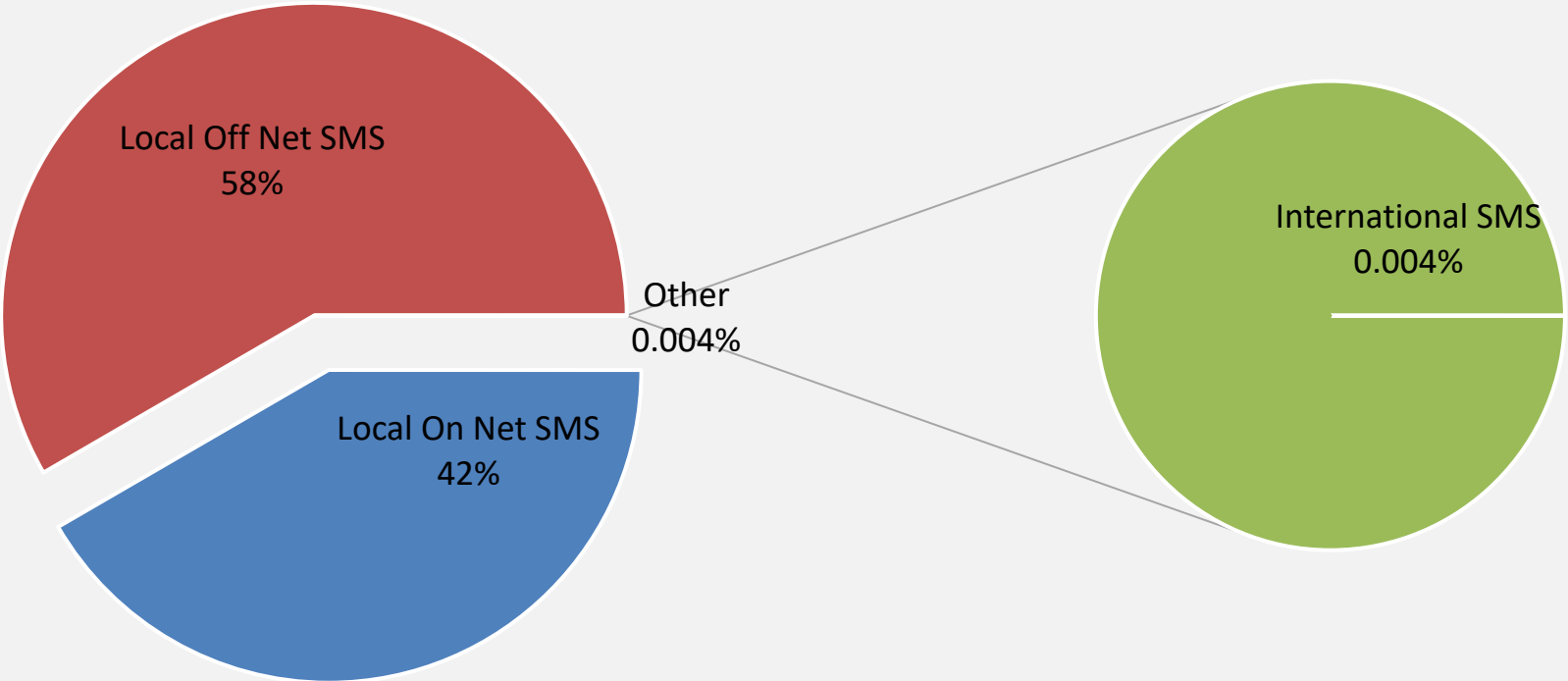
Destination	OCTOBER	NOVEMBER	DECEMBER	TOTAL
On net	84	82	85	251
Off Net	79	79	84	242
EA	0.01	0.01	0.01	0.04
Other Internationals	0.02	0.02	0.02	0.07
TOTAL	162	162	169	493

4. SHORT MESSAGES (SMS) TRAFFIC

4.1 Local and International SMS

Destination	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Local On Net SMS	5,135,075,474	4,979,303,771	3,676,441,444	13,790,820,689
Local Off Net SMS	6,870,125,034	6,726,512,296	5,738,802,060	19,335,439,390
International SMS	358,275	393,138.0	419,490.0	1,170,903

Fig. 4.1 Percentage Shares of Local and International SMS



4.2 Percentage Shares of SMS Per Operators as of December 2021

Fig 4.2a Percentage Shares of Local SMS

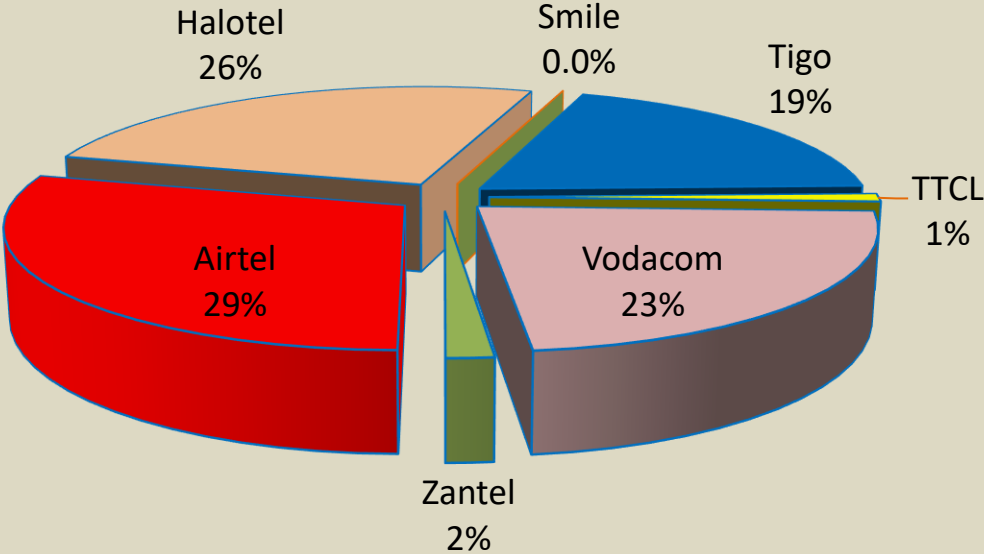
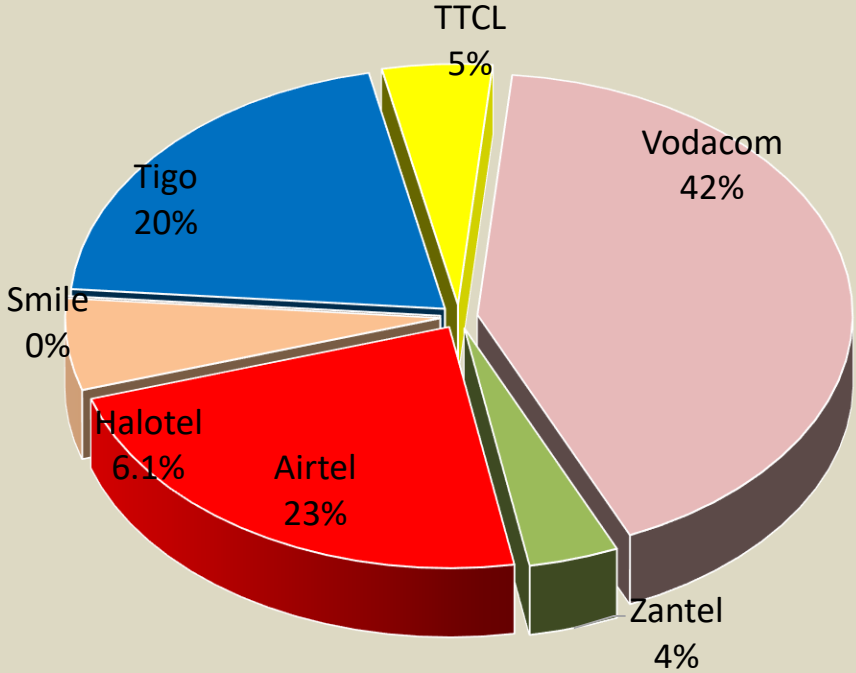


Fig 4.2b Percentage Shares of International SMS

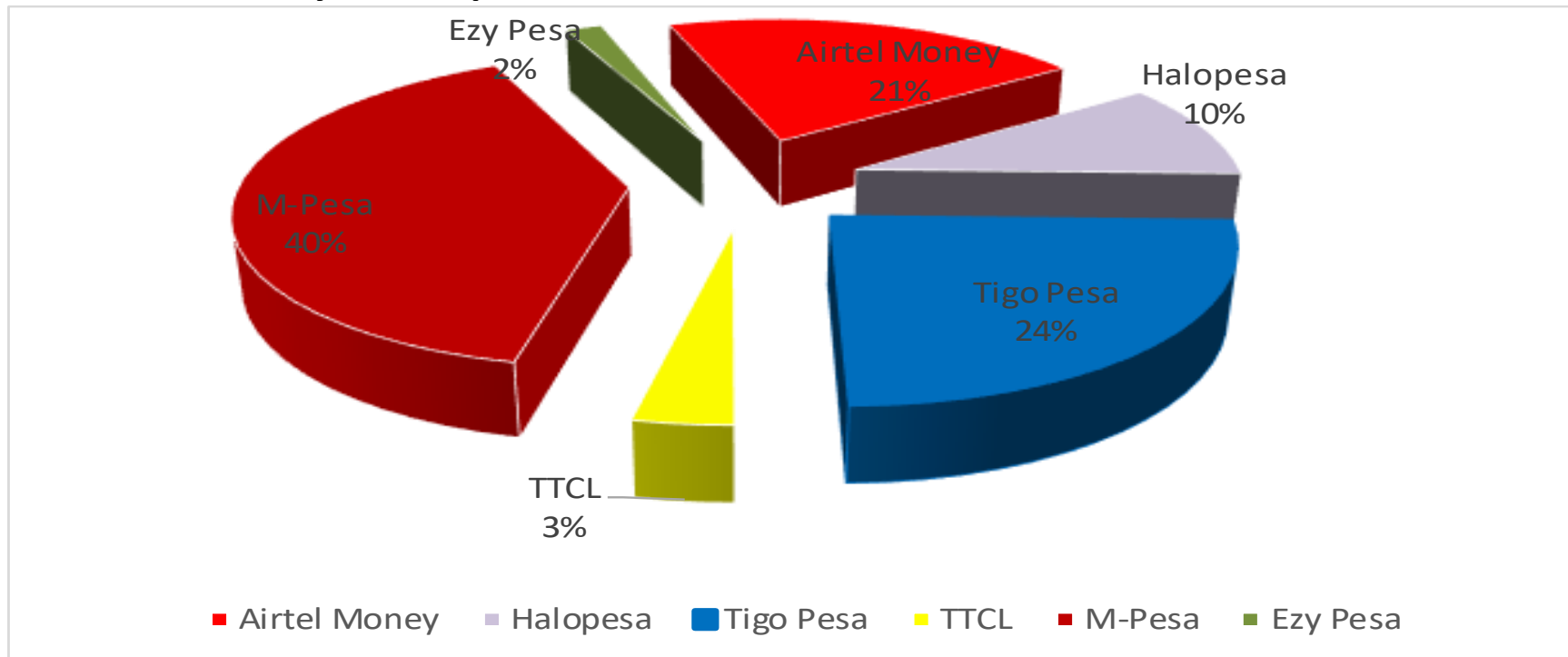


B. MOBILE MONEY SERVICES

1. Mobile Money Subscriptions (Mobile Money Accounts)

Operator	OCTOBER	NOVEMBER	DECEMBER
Airtel Money	7,205,795	7,204,889	7,324,074
Halopesa	3,568,348	3,491,346	3,507,338
Tigo Pesa	8,286,112	8,530,413	8,630,669
TTCL	1,117,668	1,156,726	1,217,808
M-Pesa	13,218,503	13,478,180	13,981,765
Ezy Pesa	562,209	651,430	624,113
TOTAL	33,958,635	34,512,984	35,285,767

2. Mobile Money Subscriptions' Market shares as of December 2021



C. INTERNET SERVICES

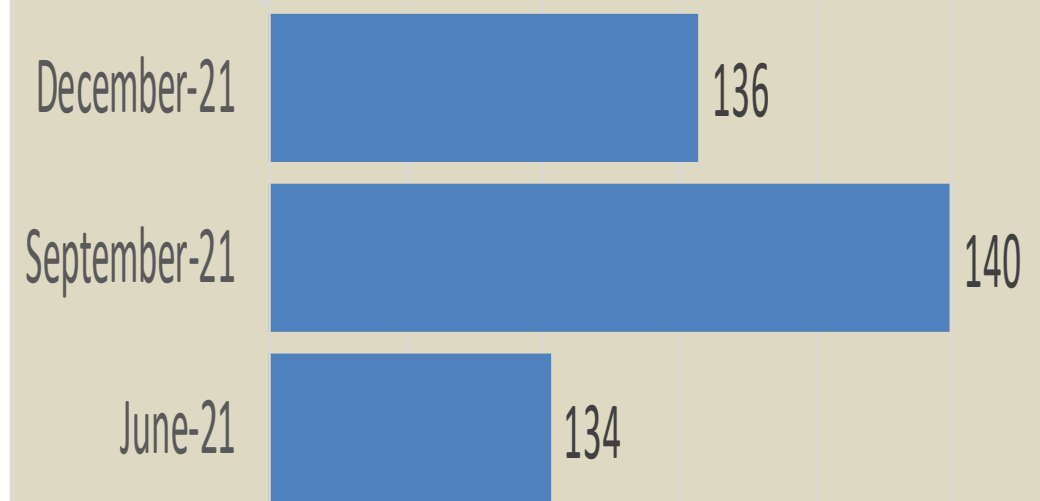
1. Estimate of Internet Users

June 2021	September 2021	December 2021
29,152,713	29,330,679	29,858,759

2. Internet use (Data Traffic in Petabyte, 1Petabyte =1024³ Megabytes)

June-21	September-21	December-21
134	140	136

Fig 2. Data Traffic Used (in Petabytes) for the last three quarters



D. BROADCASTING SERVICES

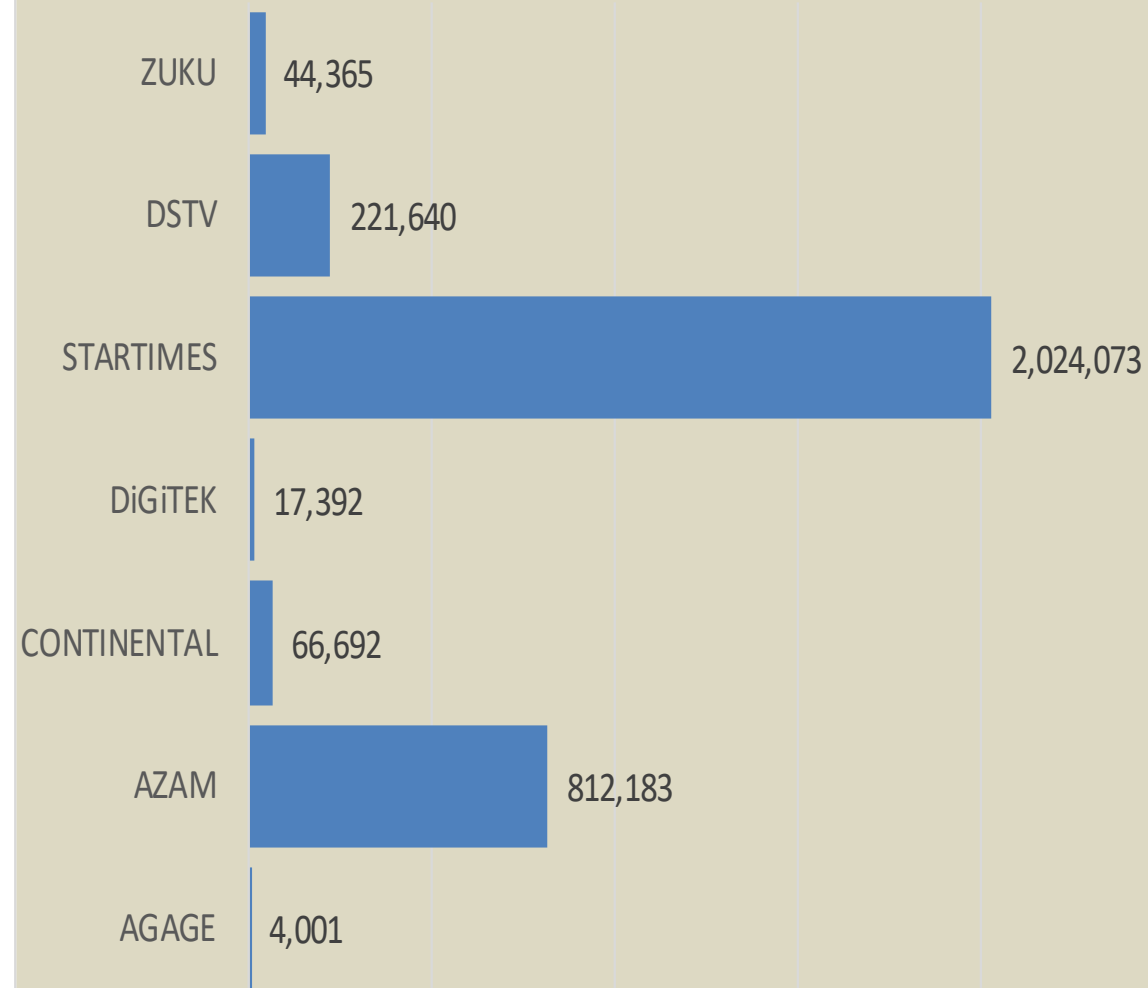
1. Active Decoders for DTT up to December 2021

AGAPE -TING	2,023
AZAM	104,263
CONTINENTAL	40,533
DiGiTEK	17,392
STAR TIMES	1,448,820
TOTAL	1,613,031

2. Active Decoders for DTH up to December 2021

AGAPE	1,978
AZAM	707,920
CONTINENTAL	26,159
DStv	221,640
STARTIMES	575,253
ZUKU	44,365
TOTAL	1,577,315

Fig 2. Total Number of Active decoders in Tanzania as of December 2021



E. POSTAL & COURIER SERVICES

1. Posted Items October - December 2021

	Ordinary Mails	Parcels	Packets	Documents
To Domestic	687,895	7,054	470	120,473
To East Africa	19,549	139	1,934	1,310
To Rest of the World	78,198	461	7,732	2,495
To International	97,747	600	9,666	3,805
TOTAL	785,642	7,654	10,136	124,278

2. Delivered Items October - December 2021

	Ordinary Mails	Parcels	Packets	Documents
From EA	32,898	890	5,670	3,546
From the Rest of the World	131,592	2,533	22,678	12,907
TOTAL	164,490	3,423	28,348	16,453

Fig.1 Posted Items to Domestic and International Oct-Dec 2021

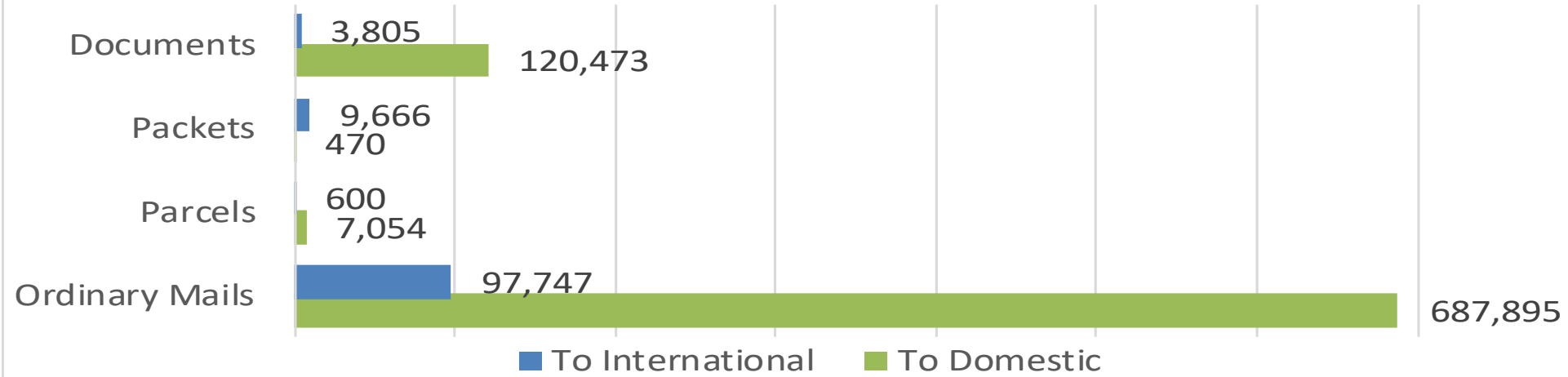
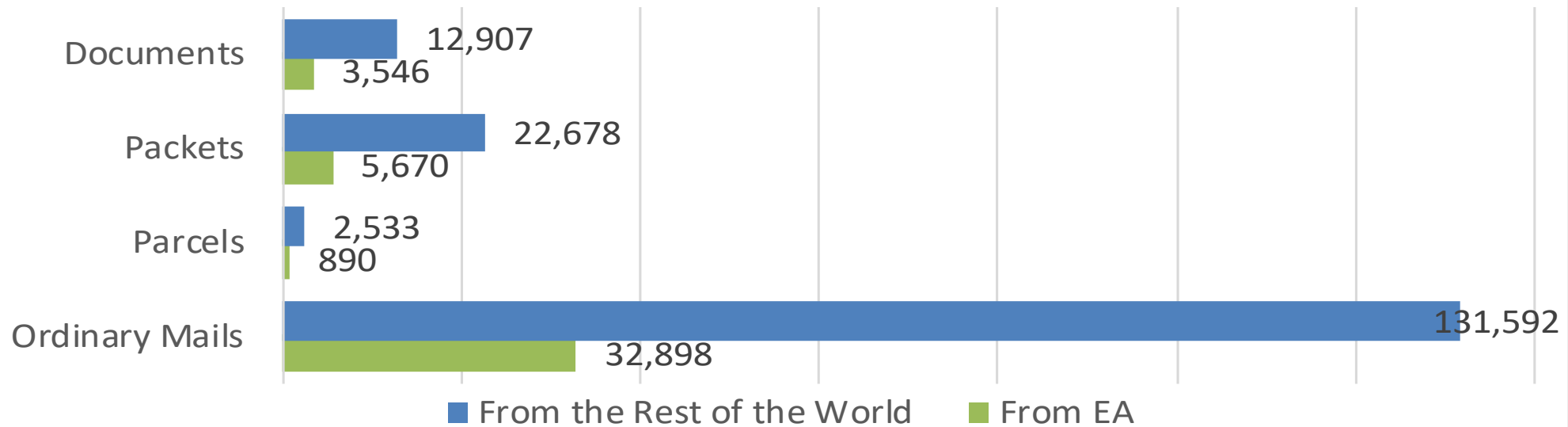


Fig.2 Delivered Items from EA and Rest of the World Oct-Dec 2021



F. SUMMARY OF COMMUNICATIONS STATISTICS

1. TELECOM SERVICES

1a. Subscriptions and Teledensity

Year	2016	2017	2018	2019	2020	2021
Fixed	129,597	127,094	124,238	76,288	72,469	71,834
Mobile	40,044,186	39,953,860	43,497,261	49,143,053	51,220,233	54,044,384
Total	40,173,783	40,080,954	43,621,499	49,219,341	51,292,702	54,116,218
Penetration	80%	78%	81%	88%	89%	91%

Fig.1a Trend of Subscription on mobile and Fixed Lines in Million

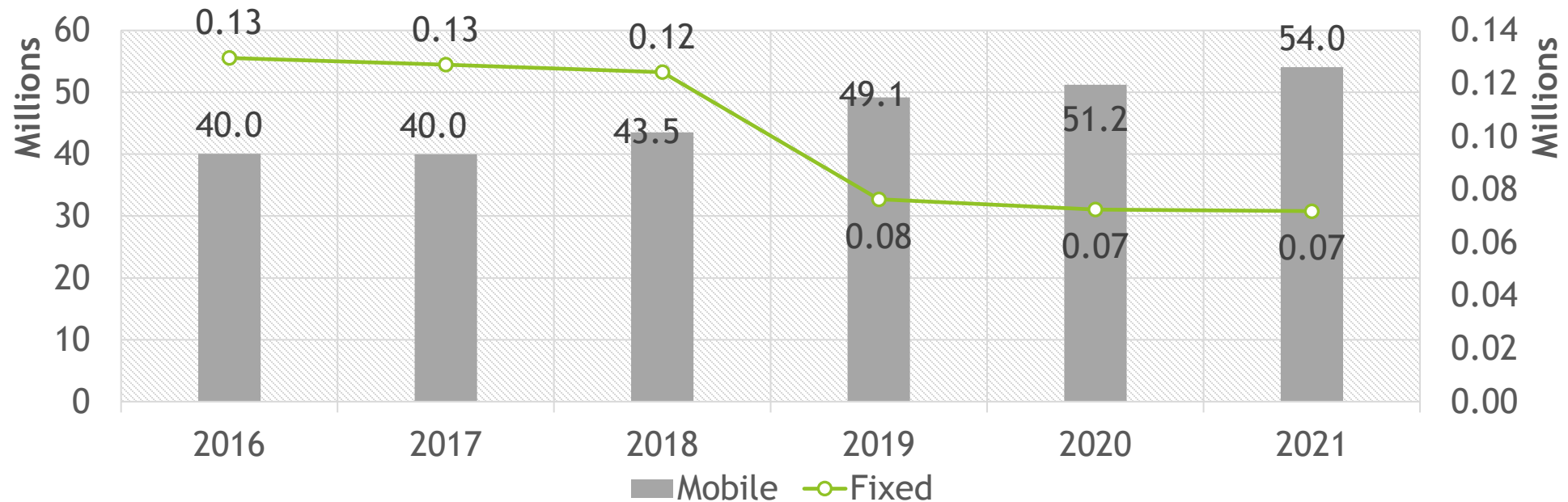
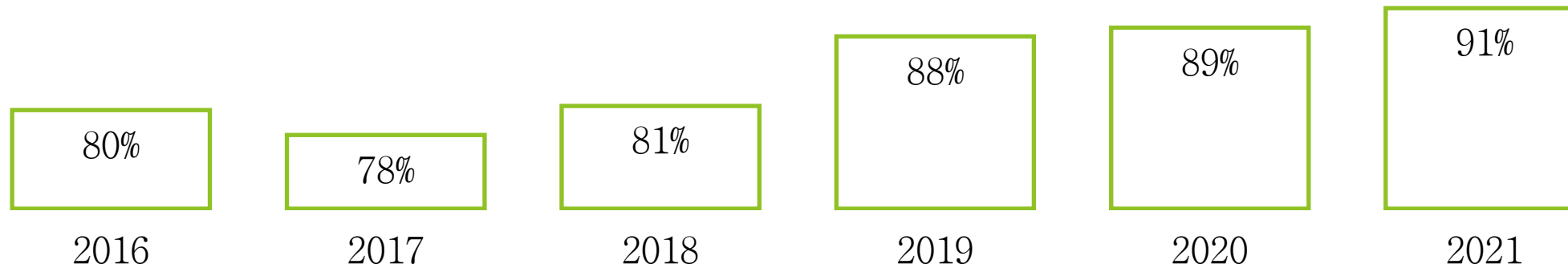


Fig.1b Telecom Services Penetration



1c. Voice Traffic minutes - National and International

Years	2016	2017	2018	2019	2020	2021
National Traffic (On & Off Net)	51,023,633,898	56,053,981,867	62,226,915,881	67,383,030,453	81,646,075,961	94,868,568,505
Traffic to International	145,972,186	99,413,092	74,883,523	57,550,480	45,841,327	33,954,112
Traffic from International	171,320,372	104,148,723	81,094,882	67,089,598	59,608,610	65,738,504

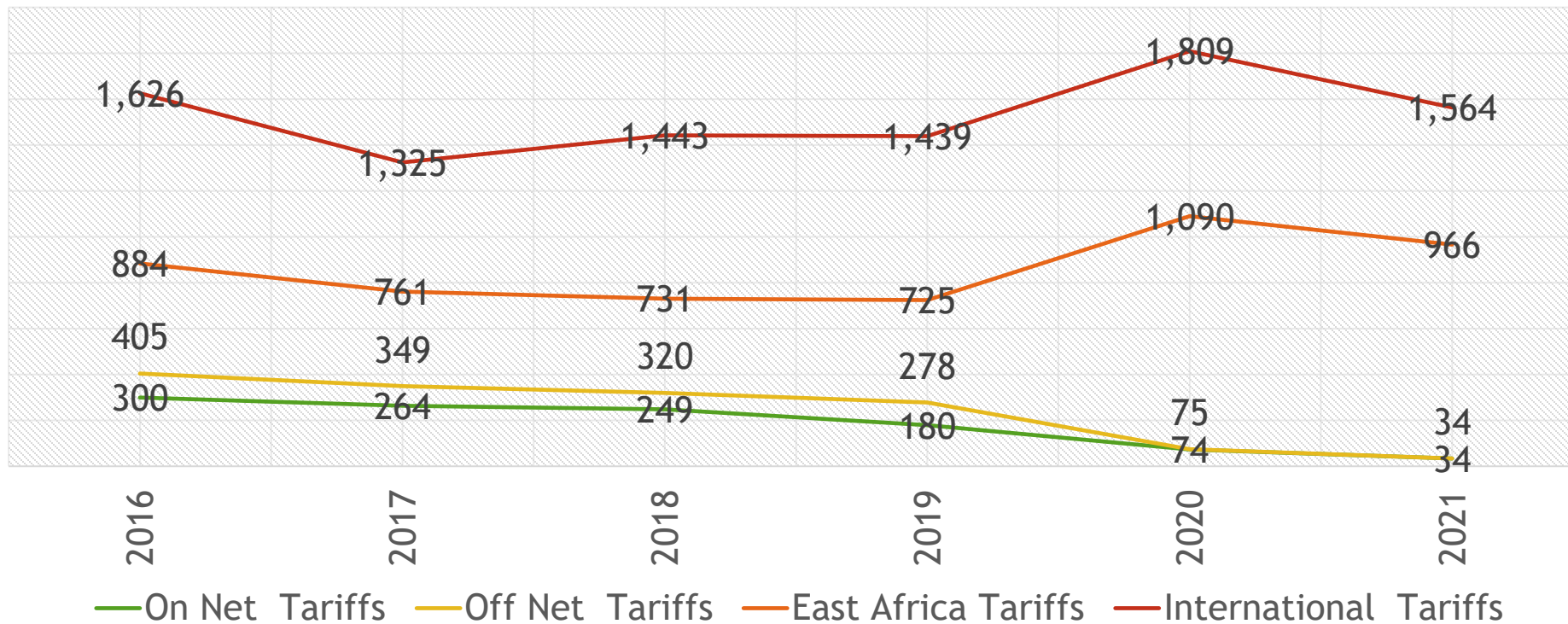
1d. Traffic (in Minutes - To and From East Africa and International)

Traffic to East Africa	35,811,296	21,952,159	15,777,208	14,252,483	9,738,521	9,097,165
Traffic from East Africa	79,875,098	43,845,601	26,161,712	21,989,062	15,406,649	15,853,362
Traffic to Other International	110,160,890	77,460,933	59,106,315	43,297,997	36,102,806	24,856,947
Traffic from Other International	91,445,274	60,303,122	54,933,170	45,100,536	44,201,961	49,885,142

1e. Industry Average Prepaid Tariff Per Minute for voice Telecom (Tax Exclusive)

Years	2016	2017	2018	2019	2020	2021
On Net Tariffs	300	264	249	180	74	34
Off Net Tariffs	405	349	320	278	75	34
East Africa Tariffs	884	761	731	725	1,090	966
International Tariffs	1,626	1,325	1,443	1,439	1,809	1,564

Fig 1e: Industry Average Pre-paid Tariff per Minute for Voice Telecom

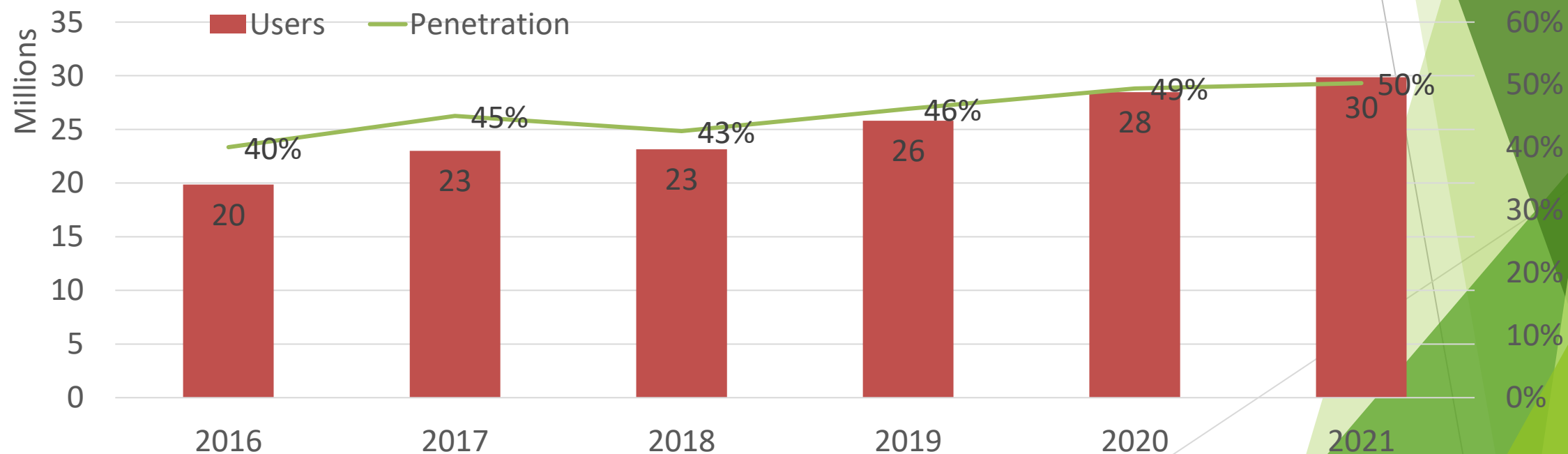


2. INTERNET SERVICES

2a Estimate of Internet Users

Year	2016	2017	2018	2019	2020	2021
Users	19,862,525	22,995,109	23,142,960	25,794,560	28,470,506	29,858,759
Penetration	40%	45%	43%	46%	49%	50%

Fig. 2a: Estimated number of Internet Users



3. BROADCASTING SERVICES

3a. Number of Digital Terrestrial Television (DTT), Digital To Home (DTH) and Free To Air TV Stations

Type	2016	2017	2018	2019	2020	2021
Free To Air Stations	25	27	30	37	44	50
Satellite TV	3	3	3	2	2	2
DTT & DTH	3	3	3	4	4	4

3b. Number of Radio Stations

Fig. 3b Number of Radio Stations



3c. Number of Active Decoders

Year	2016	2017	2018	2019	2020	2021
DTT	837,461	1,508,229	1,626,023	1,432,398	1,472,317	1,613,031
SATELLITE	224,667	570,124	985,594	1,092,891	1,341,686	1,577,315
TOTAL	1,062,128	2,078,353	2,611,617	2,525,289	2,814,003	3,190,346

3d. Number of Online Radio and TVs

Year	2018	2019	2020	2021
Online Radio	7	18	23	25
Online TV	57	216	428	533
Blogs	38	78	118	133
Simulcast Radio	9	19	25	29
Simulcast TV	1	4	6	9

4. POSTAL SERVICES

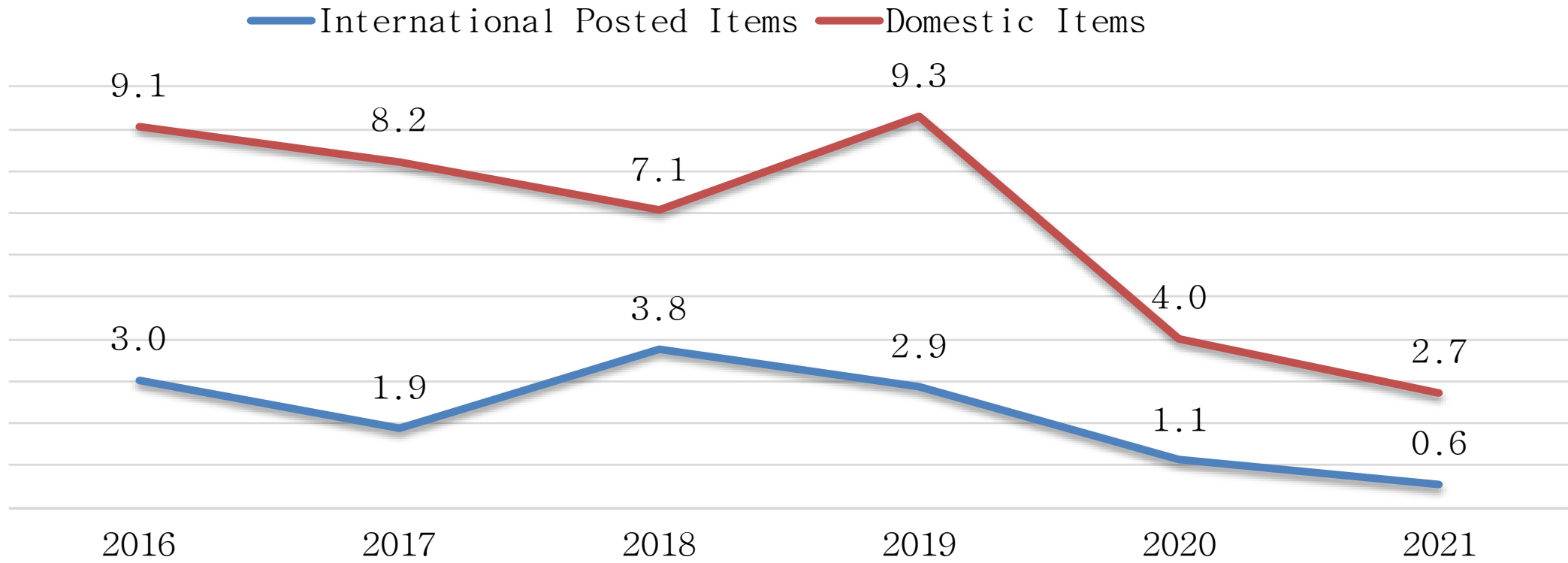
4a Postal Service Providers

CATEGORY	2016	2017	2018	2019	2020	2021
Public	1	1	1	1	1	1
International	8	7	6	7	7	7
East Africa	2	1	2	3	3	3
Domestic	8	14	15	27	29	31
Intracity	9	5	4	9	15	15
Intercity	5	7	1	45	64	64
Total	33	35	28	92	119	121

4b. Domestic and International Posted Items in TPC

Item	2016	2017	2018	2019	2020	2021
Domestic Items	9,058,968	8,228,501	7,065,527	9,280,229	4,024,371	2,745,674
International Items	3,039,816	1,892,887	3,753,746	2,873,312	1,116,069	564,528
TOTAL	12,098,784	10,121,388	10,819,272	12,153,541	5,140,440	3,310,202

Fig.4b. Posted Items (Millions)



4c. Items Posted to and Delivered from International

Year	2016	2017	2018	2019	2020	2021
Delivered from Int	4,240,327	2,339,149	7,999,942	3,927,692	1,391,829	958,121
Posted to Int	12,098,784	10,121,388	5,098,728	2,873,312	1,116,069	564,528
TOTAL	16,339,111	12,460,537	13,098,670	6,801,004	2,507,898	1,522,649

Fig.4c. Items posted to and Delivered from International

