



2024 SUBSCRIBER/NETWORK PERFORMANCE REPORT

***POLICY, COMPETITION AND ECONOMIC ANALYSIS
DEPARTMENT***

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CHAPTER ONE

A. INTRODUCTION

The Year 2024 Statistical Report of the Nigeria Communications Commission (NCC) highlights the major insights in the telecommunications landscape in Nigeria. The Report indicates the achievements recorded in the industry through the wide range of initiatives being carried out by the NCC. The report was collated from the analysis of Questionnaires administered to Licensees of the NCC such as Mobile Network Operators (MNO), Fixed Operators, Internet Service Providers (ISP) Collocation and Infrastructure Licensees, Value Added Service (VAS) licensees as well as Ministries Department and Agencies such as National Bureau of Statistics (NBS), National Population Commission and Central Bank of Nigeria CBN.

This annual statistical report x-rays progress made in the telecommunications industry in terms of Infrastructure deployment across the Country facilitated through the comprehensive regulatory frameworks and initiatives of the NCC. It provides data that measures the trend and performance of the telecommunications industry Year on Year in various segments. It also serves as reference document of the NCC to document and analyze the industry in general.

The different segments of this report are as presented below.

S/N	INDICATOR	2023	2024	% CHANGE
1.	 ACTIVE SUBSCRIBERS	224.71M	164.93M	26.61% ▼
2.	 TELEDENSITY	103.66%	76.08%	26.61% ▼
3.	 INTERNET SUBSCRIBERS	163.83M	139.28M	14.98% ▼
4.	 BROADBAND PENETRATION	43.71%	44.43%	1.64% ▲
5.	 DATA USAGE (TB)	7.27M	9.76M	34.26% ▲

Table 1. Year on year Comparison of Telecoms Industry Performance (2023 – 2024)

1. **Telecoms Industry Active Subscriber Statistics** – The number of Active Subscribers decreased from **224,713,710** subscriptions in 2023 to **164,926,599** active voice subscriptions as at December 2024. This represents an annual decrease of **59,787,111** subscriptions representing a **26.61%** drop in Active Subscriptions Year on Year. However, the NCC has achieved a cellular coverage of over 95% in Nigeria.

In Year 2024, the Nigerian Communications Commission (NCC) implemented the NIN-SIM integration policy to enhance national security and improve the efficiency of the telecommunications sector. The decision to implement NIN-SIM integration is driven by the need to enhance National Security, improve data management and promote the overall development of Nigeria's digital ecosystem. Hence, the drop in Nigeria's telecoms subscriber base was attributed to the removal of Subscriber Identification Modules (SIMs) that were not linked to verifiable National Identification Numbers (NINs) and the rectification of a major discrepancy by a Mobile Network Operator.

2. **Teledensity** – Teledensity consequently declined arising from the removal of SIMS not linked to a verifiable NIN. Nigeria's Teledensity **decreased** from **103.66%** as at **December 2023** to **76.08%** by **December 2024** indicating a **26.61%** decrease.
3. **Internet Subscribers** – Total Active Internet Subscriptions **decreased** from **163,838,439** subscription as at December 2023 to **139,282,108** Subscriptions as at December 2024 representing a decrease of **14.98%** and a drop of **24,556,331** subscription within the period under review. The decline is also essentially due to the effective implementation of the NIN-SIM policy and the rectification of counts of a major Mobile Network Operator (MNO).

4. **Broadband Penetration Rate** – With improved coverages of 3G, 4G and 5G at 89%,84% and 13% respectively, Broadband has continued to increase though marginally in Year 2024. Broadband increased from **43.71%** as at **December 2023** to **44.43%** as at **December 2024**.

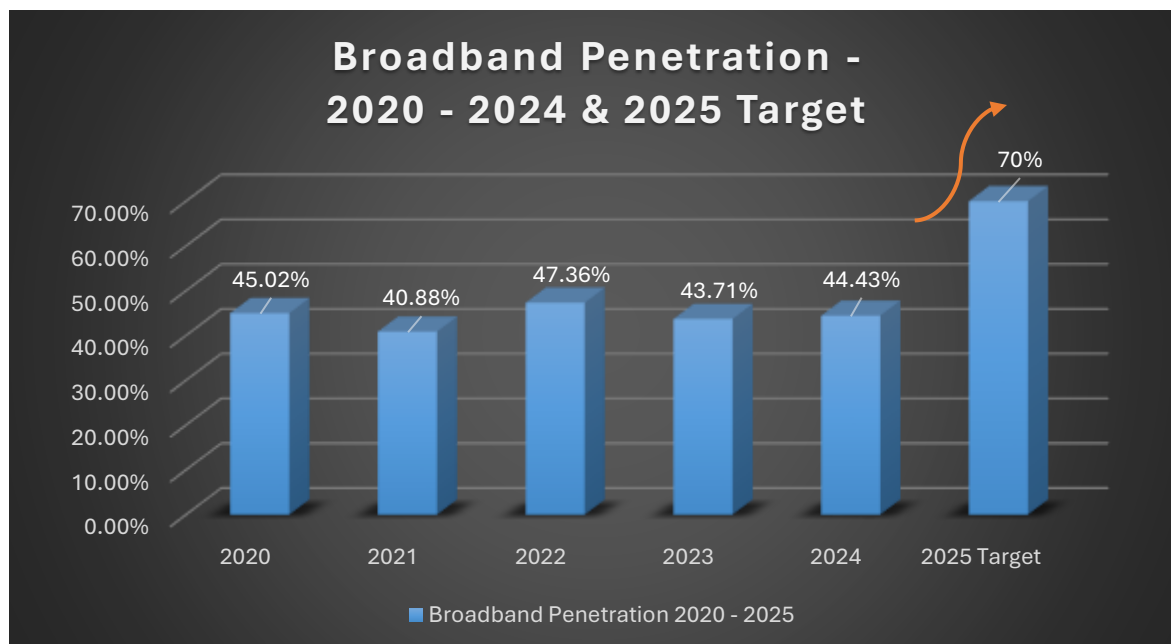


Figure 1. Projection of Broadband Penetration Year 2020 – 2025

5. **Data Usage in Terabytes (TB)** – The expanding telecommunications coverage of 3G, 4G and 5G has provided incentive for Data Use. The telecommunications industry is changing significantly with data bypassing traditional networks. Pervasive Broadband, adoption of Smart Devices and a thriving Digital Economy has driven up the annual volume of data consumed in 2024 by 34.26% when compared with 2023.

The total volume of data consumed by subscribers increased from **7,272,020.26TB** in the year **2023** to **9,763,595.18TB** in **2024**.

Year	Data Consumed (TB)	Growth (%)
2023	7,272,020.26	-
2024	9,763,595.18	34.26% ▲

Table 2. Data Usage in Terabyte (TB) 2023 – 2024

6. **Percentage of the population covered by Mobile-Cellular Network (2G, 3G and LTE 4G and 5G):** Captured below is the statistics representing coverage of different mobile technologies in the country.

S/N	Mobile Technologies	Coverage
i.	2G	95.31%
ii.	3G	89.42%
iii.	4G LTE	84.60%
iv.	5G	13.28%

Table 3. Coverage of population as at December 2024

B. INDUSTRY FINANCIAL REPORT

1. **Industry Financial Report**– This collation was based on the submissions received from responsive service providers in the industry and includes the following matrix as at December 2024.

1a. CAPEX (Domestic Investment):

Two Trillion, Nine Hundred Billion, One Hundred and Twenty-Four Million, Five Hundred and Sixty-Eight Thousand, Three Hundred and Ninety-Four Naira, Two Kobo (₦2,900,124,568,394.02) as against One Trillion One Hundred and Nineteen Billion Five Hundred and Ninety-Eight Million Six Hundred and Sixty-One Thousand Five Hundred and One Naira Seventy-Three Kobo (₦ 1,119,598,661,501.73).

The Year-on-Year (2023/2024) comparison indicates a 159.03% increase in CAPEX expenditure in the industry. The Unification of Exchange (Parallel Market and CBN rates) rates of Naira to Dollar as well as inflation impacted on the value of Naira spent upgrading network facilities in the industry. Most of these Network equipment are not manufactured locally but imported into the Country.

1b. Operating Cost:

Five Trillion, Eight Hundred and Fifty-Four Billion, Two Hundred and Fifty-Seven Million, Four Hundred and Fifty-One Thousand, Two Hundred and Twenty-Five Naira, Seventy-One Kobo (₦5,854,257,451,225.71) is the Total Operating Cost collated in year 2024 which increased by 85% Year on Year from the Three Trillion One Hundred and Fifty Eight Billion Four Hundred and Three Million Seven Hundred and Sixty Seven Thousand Three Hundred and Twenty Eight Naira Forty Eight Kobo (₦3,158,403,767,328.48).

Most Licensees complained of high Right of Way (ROW) fees, harsh micro economic operating employment and rising Inflation. However, the NCC has been able to secure zero Right of Way (ROW) fees in some States in Year 2024.

1c. Revenue:

Seven Trillion, Six Hundred and Seventy-Four Billion, One Hundred and Thirty-One Million, One Hundred and Fifty-Eight Thousand, Two Hundred and Six Naira, Seventy-Seven Kobo (**₦7,674,131,158,206.77**) increased by 44.70% up from Five Trillion Three Hundred and Three Billion Five Hundred and Thirty-Nine Million One Hundred and Two Thousand Six Hundred and Ninety-Seven Naira Ninety-Three Kobo (**₦5,303,539,102,697.93**).

2024 YEAR END TELECOM PROVIDER'S FINANCIAL DATA IN NAIRA (₦)				
S/N	CATEGORY	CAPEX	OPERATING COST	REVENUE
1.	GSM	2,707,349,350,000.00	4,577,460,510,000.00	5,325,453,820,000.00
2.	FIXED WIRED	60,000,000.00	267,181,628.00	410,437,581.00
3.	INTERNET SERVICE PROVIDER	13,827,832,977.26	196,331,940,965.34	165,690,191,444.41
4.	VALUE ADDED SERVICE	2,757,164,586.00	79,961,941,941.70	83,099,311,720.70
5.	COLLOCATION & INFRASTRUCTURE SHARING	174,457,239,010.90	961,945,491,396.28	2,049,886,255,131.59
6.	OTHER TELECOM OPERATORS	1,672,981,819.86	38,290,385,294.39	49,591,142,329.07
	TOTAL	2,900,124,568,394.02	5,854,257,451,225.71	7,674,131,158,206.77

Table 4. Telecom Providers CAPEX (Domestic Investment), Operating Cost and Revenue – 2024

*(***Financial performance of the Market between the years 2023 and 2024)*

S/N	FINANCIAL INDICES	2023	2024	% Change
1.	CAPEX	1,119,598,661,501.73	2,900,124,568,394.02	159.03%
2.	OPERATING COST	3,158,403,767,328.48	5,854,257,451,225.71	85.35%
3.	REVENUE	5,303,539,102,697.93	7,674,131,158,206.77	44.70%

Table 5. Analysis of the Telecom Providers CAPEX (Domestic Investment), Operating Cost and Revenue – 2024

*(** CAPEX figures for Year 2023 were revised due to updated submission from a leading TowerCo)*

1d. Capital Inflow (Foreign Direct Investment) into the Nigerian Telecoms Industry in Year 2024 was approximately Four Hundred and Fifty-Six Million, Five Hundred and Eighty-Nine Thousand, Nine Hundred and Thirty-Six US Dollars, Fifteen Cents (**USD 456,589,936.15**) against One Hundred and Thirty-Four Million, Seven Hundred and Fifty-Four Thousand, Eight Hundred and Nineteen US Dollars, Twenty-Seven Cents (**USD 134,754,819.27**) as at year 2023 (Source CBN).

1e. Contribution to the Gross Domestic Product (GDP) – Telecoms industry contribution to the Nigerian Gross Domestic Products increased from **14.00%** in the Fourth Quarter, 2023 to **14.40%** in the Fourth Quarter of 2024 indicating a 2.86% growth Year-on-Year. The Rebasing of the GDP is ongoing by the National Bureau of Statistics (NBS) to extract optimally the contribution of the Digital Economy from Information and Communication Sector.

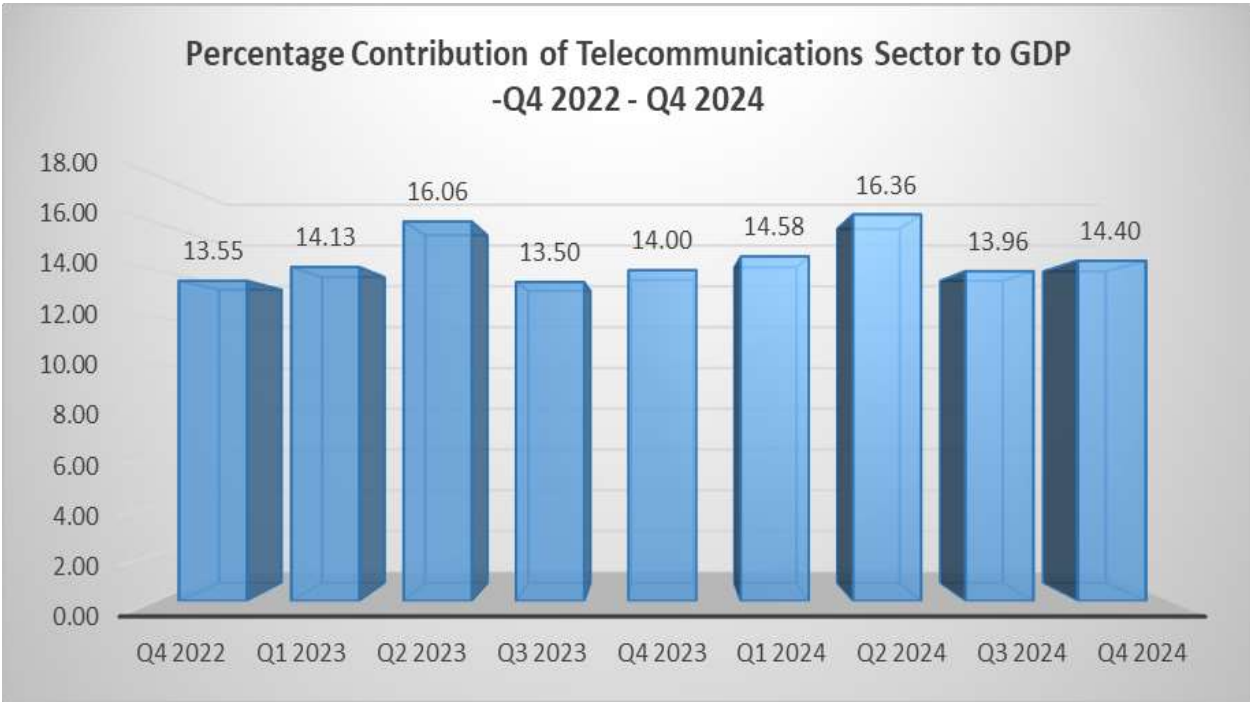


Figure 2: Telecoms industry contribution to the Nigerian Gross Domestic Products Q4, 2022 – Q4, 2024

C. INDUSTRY INFRASTRUCTURAL DEVELOPMENT

A summary of the telecom infrastructure deployment in Nigeria as at December 2024 by Telecoms providers is narrated below:

1. **The Total Number of Towers** recorded in December 2024 stood at **39,880** Towers. These include the Towers owned by TowerCos as well as Other Operators within the Telecoms Ecosystem. A breakdown of the ownership of Towers in Nigeria is indicated below:

S/N	Market Segment	No. of Towers
1.	Tower Cos	30,597
2.	Mobile Operators	9,283
	Total No. of Towers	39,880

Table 6. Total number of Towers in Nigeria as December 2024

The NCC will continue to collaborate and foster development with TowerCos using the developed Coverage map of Mobile Infrastructure to identify areas that require urgent attention. Also, the Executive Order on the Designation and Protection of Critical National Information Infrastructure (CNII) 2024, signed by the President and now published in an official gazette, is expected to play a significant role in curbing attacks on telecom infrastructure such as towers, fibre optic cables, masts and base stations.

2. The Operators reported an increased total number of **145,141** Base Stations within the reporting period. Operators are increasingly deploying Base Stations especially since the NCC facilitated the launch of 5G in Nigeria.
3. On-Land Fibre optics was reported as **110,577.13km in Year 2024**, up from the **83,254.50km** reported in Year 2023. This is an increase of about 32% Year on Year. With the NCC securing zero ROW Fees from some State Governments and more engagements with other States, fibre deployment is expected to increase
*(***The recorded 110,577.13km fibre deployed as at December 2024 includes decommissioned, overlapping or redundant routes as well)*
4. **Microwave** coverage recorded in Year 2024 stood at **297,755.16km**.

5. A total number of **95 Gateways** are in use in the telecom industry as at December 2024. The distribution is as follows:

S/N	Licensees	Total Number of Gateways in Use
1.	Mobile Network Operators (MNO)	61
2.	Fixed Operators	10
3.	Other Operators	24
	Total	95

Table 7: Gateways in use in the Telecommunications industry (2024)

D. EMPLOYMENT DISAGGREGATED IN THE INDUSTRY- 2024

GSM	FIXED	ISP	VAS	C&I	OTHERS	TOTAL
6,658	272	5,473	713	1,751	2,632	17,499

Table 8: Staff count as at Year End 2024

The Total number of staff from responsive licensees as at Year end 2024 stood at **17,499**. A breakdown of the staff categories is disaggregated in the report of each category of Service provider.

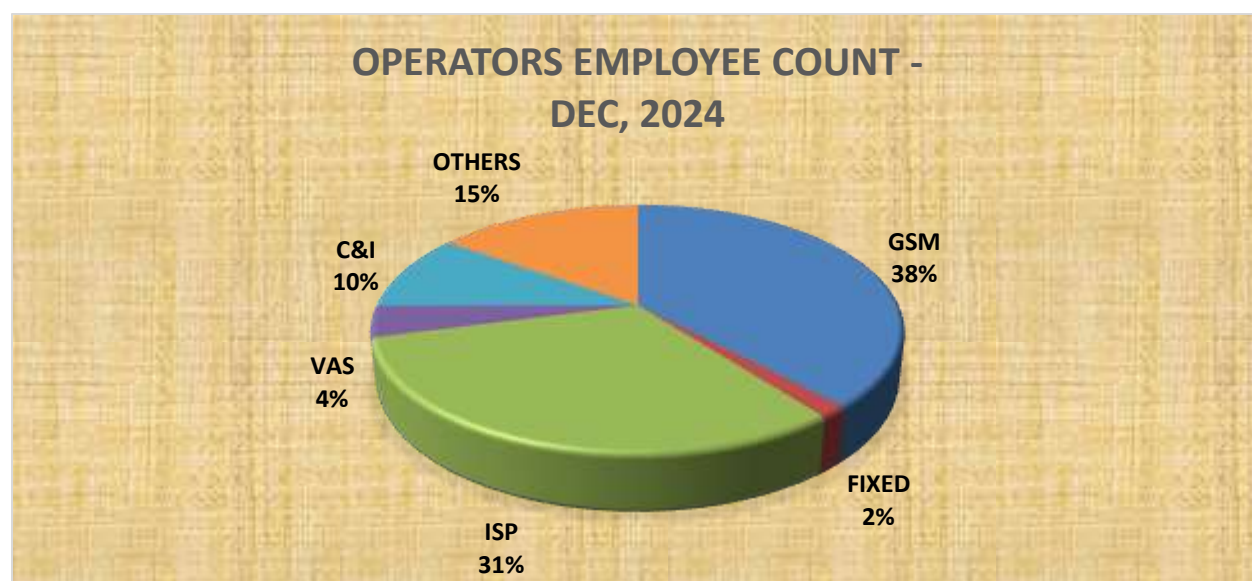


Figure 3: Staff Count by category of Service Provider as at December 2024

CHAPTER TWO

ANALYSIS OF 2024 YEAR END SUBSCRIBER / NETWORK DATA– MOBILE AND VOIP MARKET SEGMENT

1. NETWORK DATA

1a. Base Stations: As at December 2024 the total Base Stations owned by Mobile telecoms operating companies increased to **145,141** from **137,992** in December 2023 across all States of the Federation representing an increase of **5.18%** from the previous year.

1b. Infrastructure Deployment in the Mobile Segment; There are several telecom infrastructures deployed by Operators as seen below.

i. Microwave Radio in (KM): As at December 2024 the Mobile Operators deployed a total of **297,445.16KM** of Microwave Radio Links as compared to the **299,976.06KM** of Microwave Radio Links reported for 2023.

MICROWAVE RADIO (KM)	2023	2024
MTN	70,778.00	70,427.00
GLO	63,413.33	72,980.47
AIRTEL	110,902.00	102,785.00
EMTS	48,957.69	48,957.69
SMILE	1,371.30	2,295.00
NTEL	4,553.74	-
TOTAL	299,976.06	297,445.16

Table 9: Microwave Radio by Operators in Year 2023-2024 (Microwave)

**NTEL did not offer service in Year 2024*

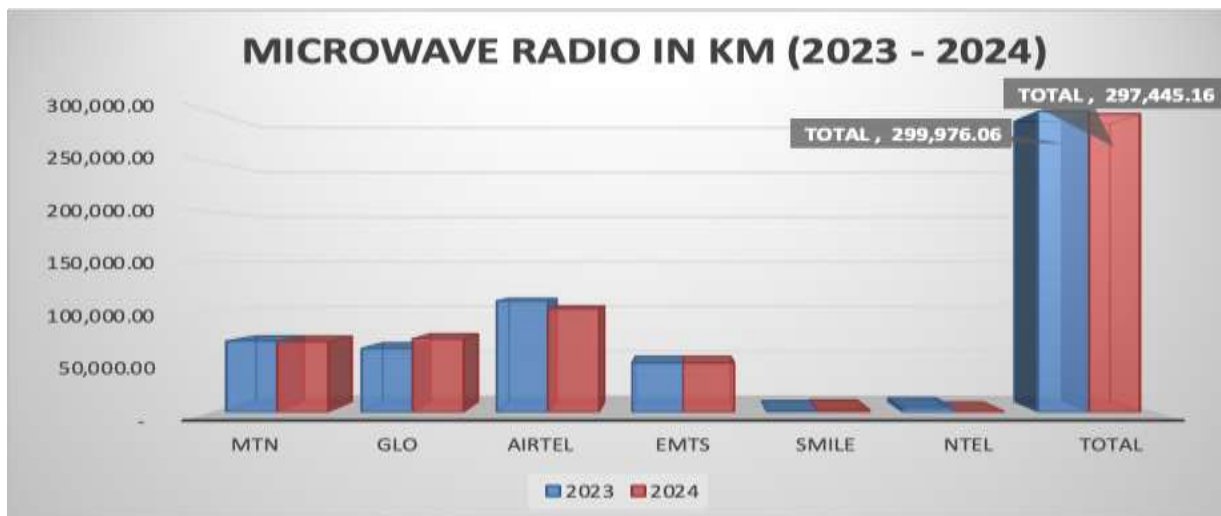


Figure 4. Microwave Radio in KM (2023 – 2024)

******* The reason for the 0.84% decline is attributed to a cleanup that was carried out in 2024 and as a result, non-active links were decommissioned.

ii. **Trunks in Use:** MTN, AIRTEL, GLO, and EMTS have a total number of 22,933 Trunks (E1) in use as at December 2024 indicating an increase from 15,896 Trunks (E1) reported at the end of December 2023 which indicates a 44.24% increase within the period under review.

iii. **Gateways in Use:** MTN, GLO, AIRTEL and SMILE have a total number of 61 Gateways in use by Mobile Network Operators (MNO) as at December 2024. A summary shows, MTN had 1; GLO -3; AIRTEL - 16, EMTS – 39 and SMILE -2.

2. SUBSCRIBER & SERVICE DATA – VOICE SUBSCRIPTIONS

2a. **Subscriber Voice Data & Teledensity (All Segments):** As at December 2024 total active voice subscriptions for the entire market segments was **164,926,599** as against **224,713,710** recorded as at December 2023. This indicates a decline of **26.61%** in 2024.

The decline was attributed to the removal of Subscriber Identification Modules (SIMs) that are not linked to verifiable National Identification Numbers (NINs) and the rectification of a major discrepancy by a Mobile Network Operator explain the significant drop in Nigeria's telecoms subscriber base.

Teledensity also recorded a corresponding decline of **26.61%**. Teledensity was **76.08%** in 2024 as against **103.66%** recorded in 2023 which is as an effect seen in the Voice segment above.

From September 2023, teledensity is calculated based on Nigerian Population Commission's projected population figure of 216 million.

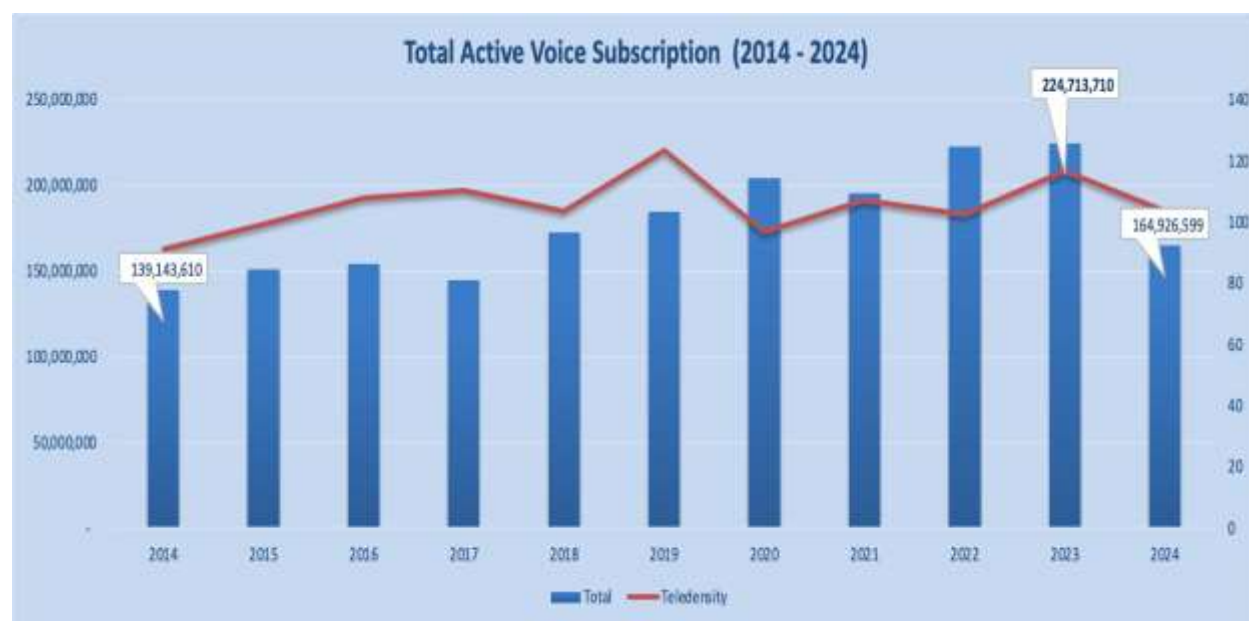


Figure 5. Subscriber Data- Active Voice Subscriptions & Teledensity (2014 - 2024)

2b. Subscriber Voice, Data & Teledensity (Mobile GSM- 2024):

In analyzing the annual Active Voice Subscription for Mobile (GSM) Segment, total active voice subscriptions decreased from **224,601,739** subscriptions as at December 2023 to **164,823,885** subscriptions as at December 2024. This indicates a 26.61% drop in GSM Active Voice Subscriptions year on year.

2c. Market Share of Active Voice Subscriptions (Mobile GSM Segment - December 2024):

Market Share of Mobile Operators were analyzed through the breakdown of each Operator’s subscription; [MTN; AIRTEL; GLO and EMTS] each recorded **84,607,831**; **56,619,381**; **20,137,951** and **3,283,270** Subscribers respectively. In that order **MTN**; **AIRTEL**; **GLO** and **EMTS** had **51.39%**; **34.39%**; **12.23%** and **1.99%** share of the Mobile GSM market respectively in the month of December 2024.



Figure 6. Market Share of Mobile GSM Operators – December 2024

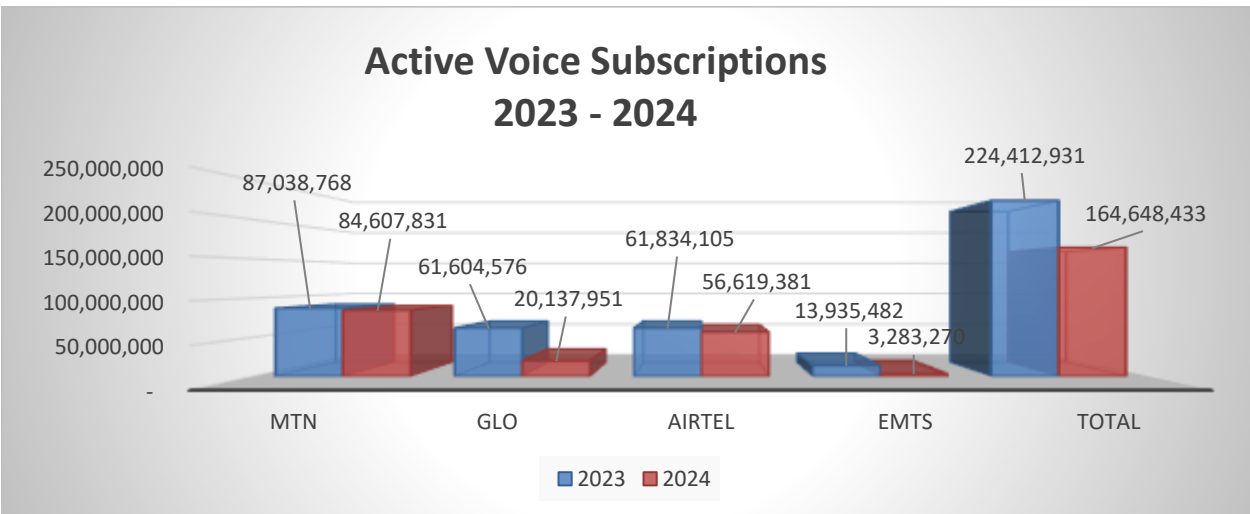


Figure 7. Active Voice Subscriptions of Mobile Segment, 2023 – 2024

2d. In analysing the annual trend of the *Active Voice Subscription Services in the country, for all market segments*, the growth in voice subscription was ultimately driven by the mobile (GSM) market segment which accounted for 99.8%, while, Fixed Wired/Wireless and VOIP market segments each accounted for 0.1% each of the entire market share in terms of technology deployment as illustrated in:-Table 10 and Figure 7 below;

<i>MOBILE (GSM)</i>	<i>FIXED WIRED/WIRELESS</i>	<i>VOICE OVER INTERNET PROTOCOL (VoIP)</i>
99.8%	0.1%	0.1%

Table 10: Percentage of Market Share of Service Deployment by Technology as at December 2024

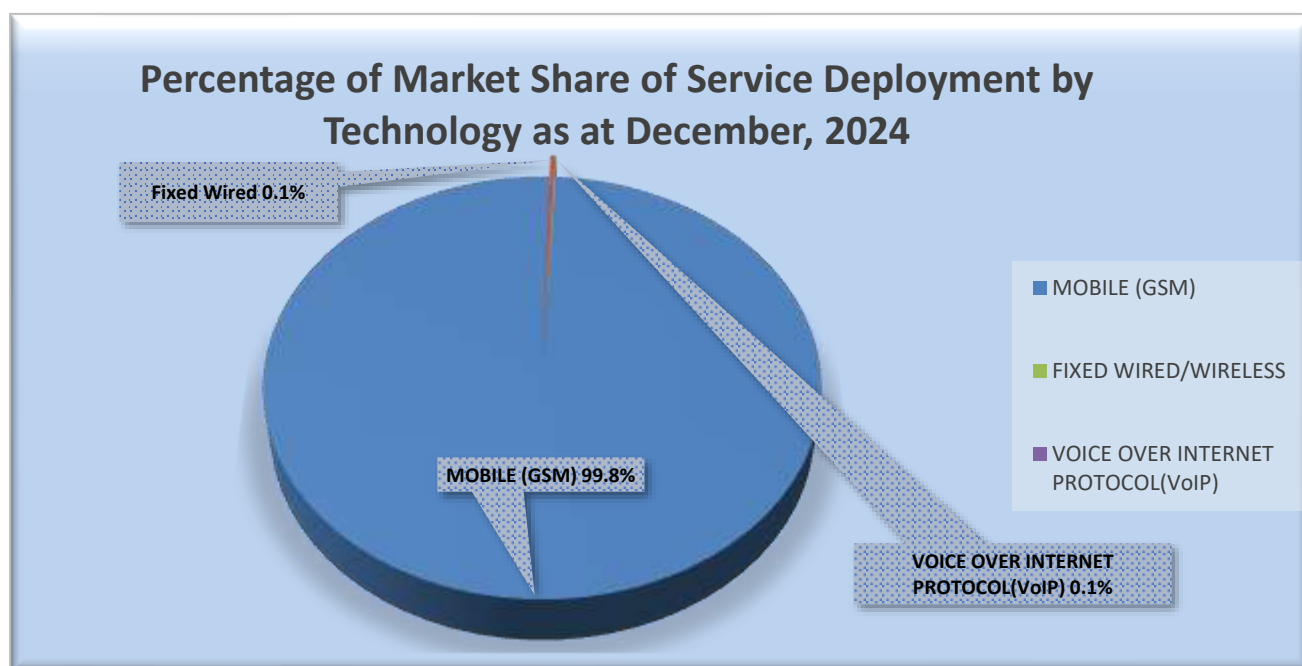


Figure 8: Percentage of Market Share of Service Deployment by Technology as at December, 2024

2e. Prepaid & Postpaid Mobile Voice Subscriptions 2024:

- i. Total prepaid Mobile Voice subscriptions decreased from **217,143,995** in December 2023 to **161,470,725** in December 2024 indicating a decline of **25.63%** in prepaid Mobile Voice Subscriptions.
- ii. Postpaid Mobile Voice Subscriptions decreased from **7,457,744** in December 2023 to **3,034,335** as at December 2024 indicating a drop of **59.32%** in postpaid Mobile Voice Subscriptions as at year end 2024.

- iii. In summary, the above analysis indicates that about **98.16%** of Mobile subscribers are prepaid subscribers while only about **3.3%** are postpaid.
- iv. In Figure 9a below, the Southwest (**SW**) and Northwest (**NW**) zones recorded the highest number of subscriptions while the Southeast (**SE**) zone recorded the least number of subscriptions.

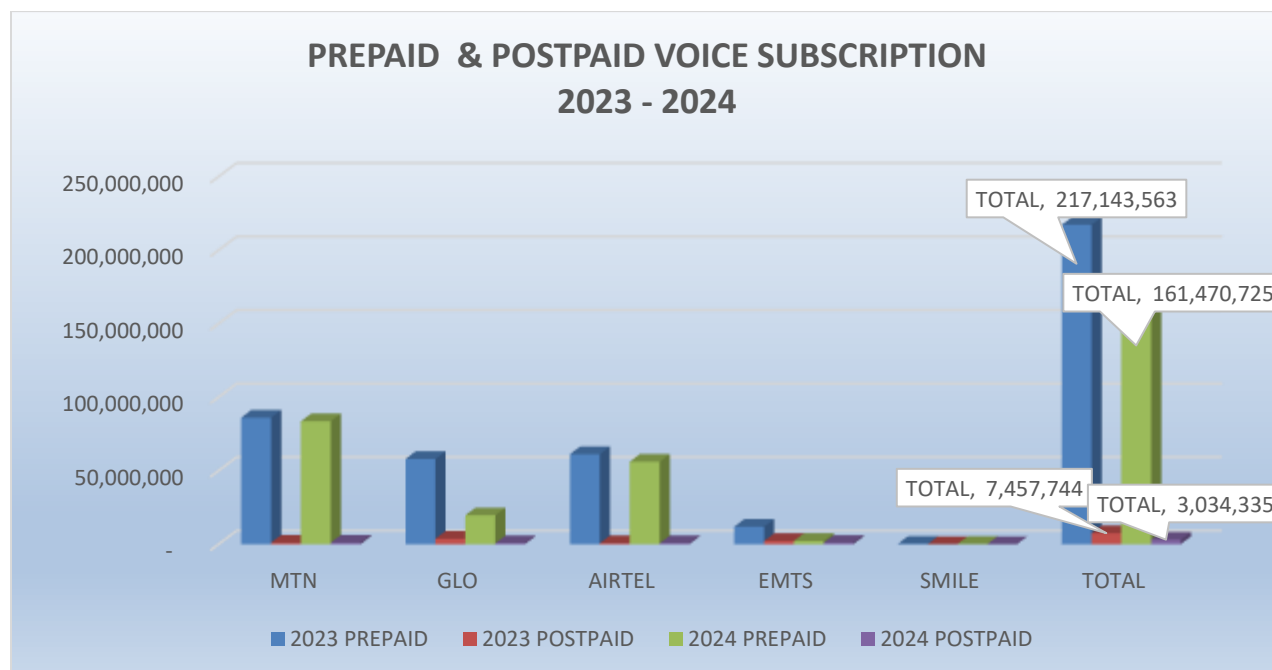


Figure 9: Prepaid & Postpaid Voice Subscriptions- Mobile 2023 – 2024

OPERATORS	2023		2024		
	PREPAID	POSTPAID	PREPAID	POSTPAID	TOTAL
MTN	86,015,332	1,023,436	83,577,269	1,030,562	84,607,831
GLO	57,881,174	3,723,402	19,577,076	560,875	20,137,951
AIRTEL	61,213,281	620,824	56,047,575	571,806	56,619,381
EMTS	11,845,400	2,090,082	2,248,089	1,035,181	3,283,270
SMILE	188,376	-	175,452	-	175,452
TOTAL	217,143,563	7,457,744	161,470,725	3,034,335	164,505,060

Table 11. Prepaid & Postpaid Voice Subscriptions- Mobile 2023 – 2024

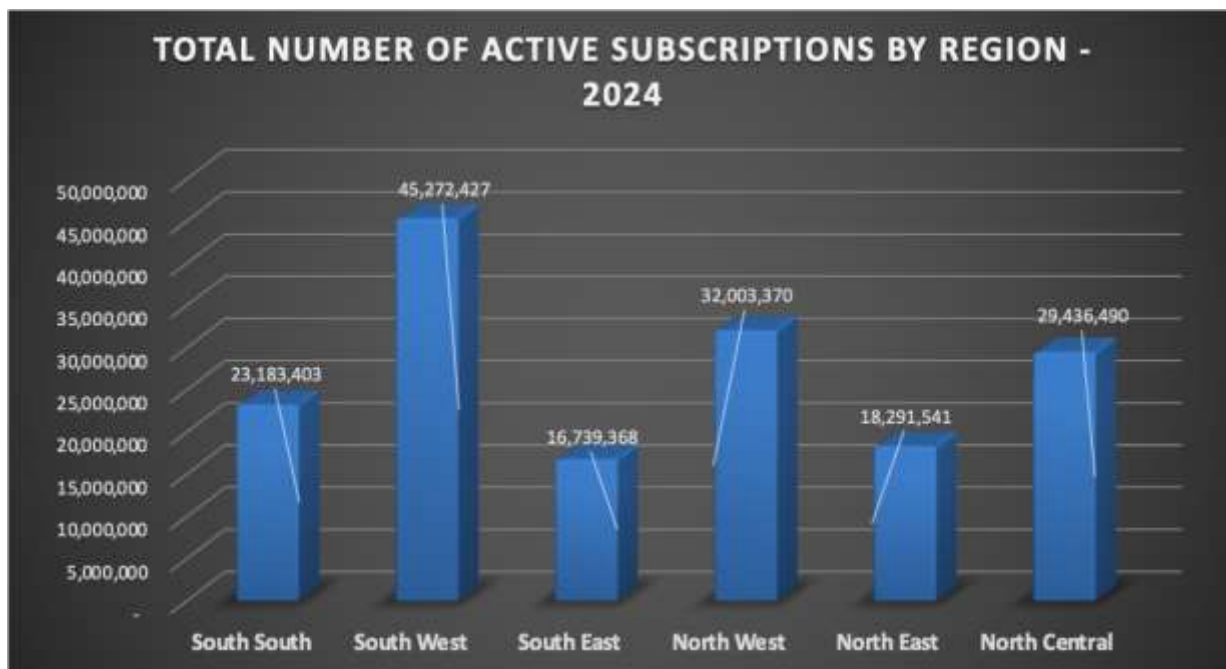


Figure 9a: Number of Active Voice Subscriptions per Region (2024)

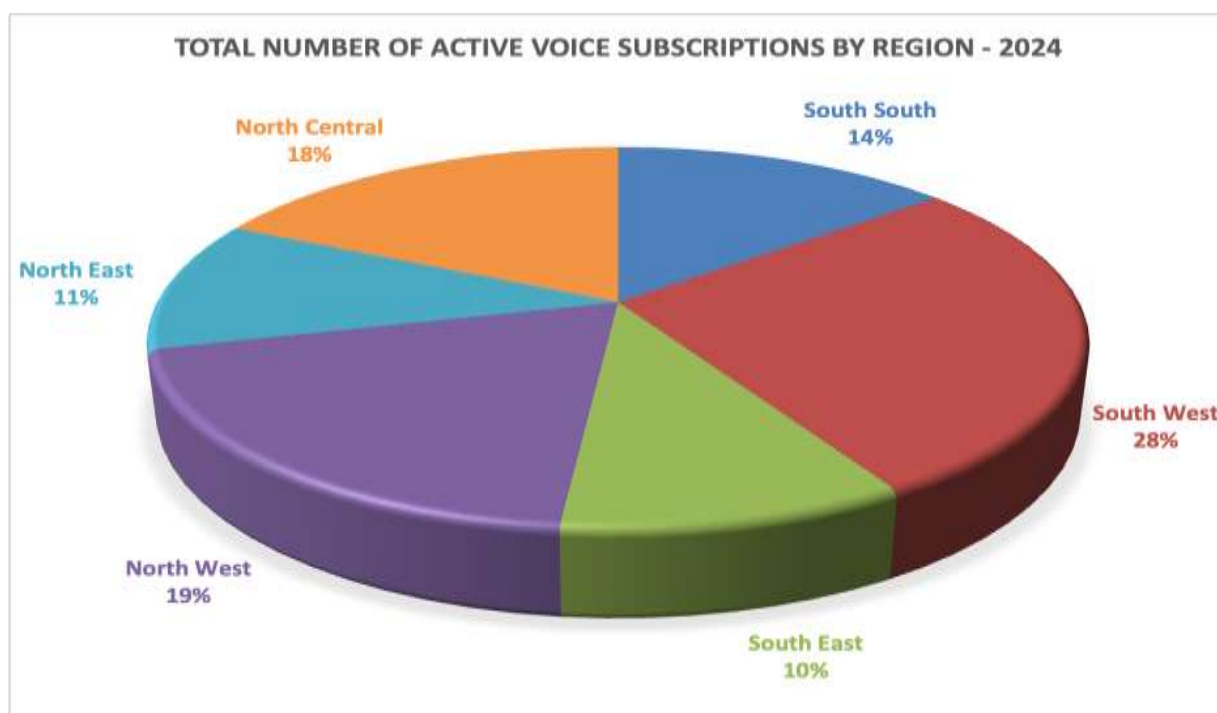


Figure 9b: Number of Active Voice Subscriptions per Region (2024)

2f. Mobile & VoIP Voice Traffic Trend (2024):

The call traffic-activities contained in the year 2024 as reported by Mobile Operators in the country.

- i. **Local and National Telephone Traffic in 2024:** As at December 2024 total outgoing Local and National Traffic was 226,274,112,726.39 minutes while Total incoming Local and National Traffic was 223,979,615,492.25 minutes. MTN had the highest total outgoing and incoming Traffic of 139,394,310.00 and 139,779,623,511.00 minutes respectively in 2024.

NATIONAL TELEPHONE TRAFFIC 2024		
OPERATOR	OUTGOING	INCOMING
MTN	139,394,310,037.00	139,779,623,511.00
GLO	19,613,091,362.24	13,531,738,836.53
AIRTEL	65,381,025,731.00	69,343,935,361
EMTS	1,515,026,813.81	1,280,611,280.84
SMILE	370,658,782	43,706,503
TOTAL	226,274,112,726.39	223,979,615,492.25

Table 12: Local and National Traffic in 2024

OPERATOR	NATIONAL TELEPHONE TRAFFIC (INCOMING & OUTGOING) 2023	NATIONAL TELEPHONE TRAFFIC (INCOMING & OUTGOING) 2024	YEAR ON YEAR CHANGE
MTN	246,430,102,052.00	279,173,933,548.00	13.29
GLO	32,495,356,005.25	33,144,830,198.77	2.00
AIRTEL	123,089,387,066.00	134,724,961,092.00	9.45
EMTS	5,361,658,856.86	2,795,638,094.65	-47.86
SMILE	315,659,825.00	414,365,285.22	31.27
NTEL*	793,540,066	-	-
TOTAL	408,485,703,871.11	450,253,728,218.64	10.23

Table 13: National Telephone Traffic (Incoming & Outgoing) 2023 – 2024

*Ntel did not offer service in Year 2024

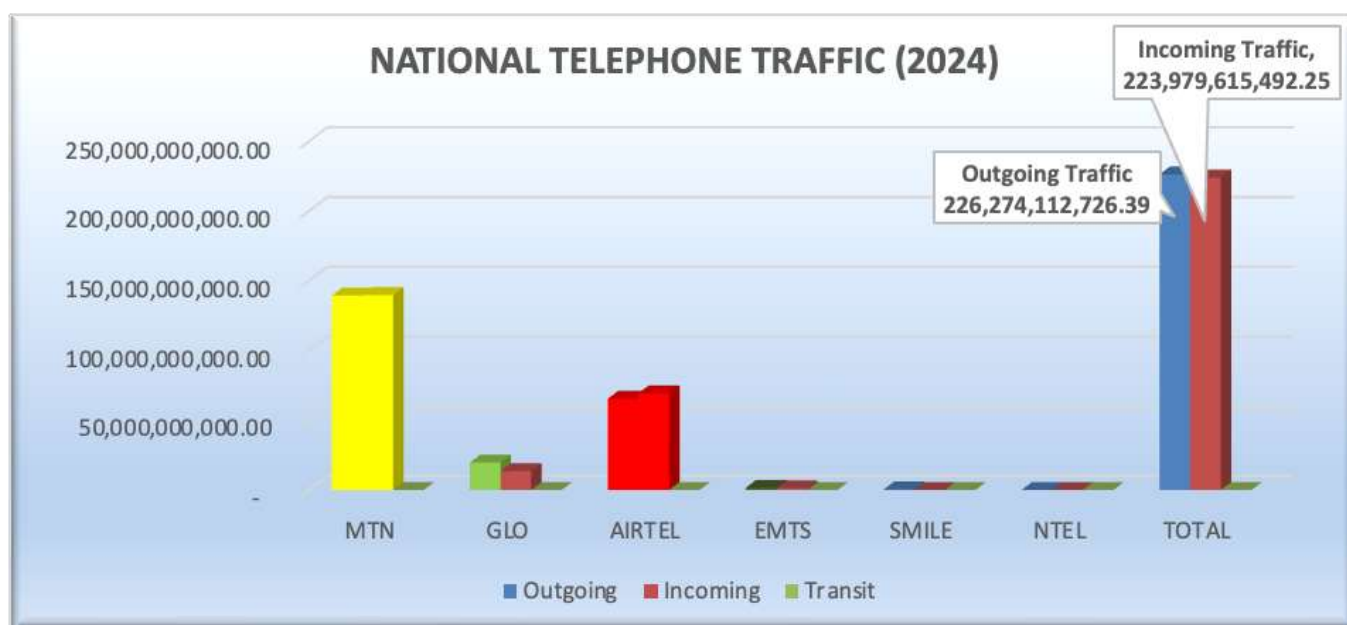


Figure 10: Local and National Telephone traffic – 2024

*Ntel did not offer service in Year 2024

- ii. **Outgoing and Incoming Mobile & VoIP to (and) from International Traffic in 2024:** As at December 2024 Total Outgoing Mobile International Traffic was **300,210,755.57** minutes while Total Incoming International Traffic to Mobile was **741,486,338.17**. MTN reported the highest Outgoing and Incoming Traffic of **133,923,703** and **371,208,951** respectively for the period under review.

OUTGOING/ORIGINATING & INCOMING MOBILE TO/FROM INTERNATIONAL TRAFFIC- 2024			
OPERATOR	OUTGOING	INCOMING	TOTAL
MTN	133,923,703.00	371,208,951.00	505,132,654.00
GLO	29,704,709.21	79,479,499.07	109,184,208.28
AIRTEL	133,215,643.00	281,454,247.00	414,669,890.00
EMTS	3,072,073.55	9,343,641.10	12,415,714.65
SMILE	294,626.81	-	294,626.81
TOTAL	300,210,755.57	741,486,338.17	1,041,697,093.74

Table 14: Outgoing and Incoming Mobile to/ from International Traffic in December 2024

OPERATOR	OUTGOING/ORIGINATING & INCOMING MOBILE TO/ FROM INTERNATIONAL TRAFFIC 2023	OUTGOING/ORIGINATING & INCOMING MOBILE TO/ FROM INTERNATIONAL TRAFFIC 2024	YEAR ON YEAR % CHANGE
MTN	800,036,631.00	505,132,654.00	-36.86
GLO	136,872,587.00	109,184,208.28	-20.23
AIRTEL	559,930,630.00	414,669,890.00	-25.94
EMTS	37,142,034.78	12,415,714.65	-66.57
SMILE	66,974.00	294,626.81	339.91
NTEL*	254,385.15	-	-
TOTAL	1,534,303,241.93	1,041,697,093.74	-32.11

Table 15: Outgoing and Incoming Mobile to/ from International Traffic in December 2023 – 2024

**Ntel did not Offer service in Year 2024*

- iii. **Mobile to Mobile Voice Call Traffic in 2024:** - As at December 2024 total outgoing traffic Mobile to Mobile minutes was **177,421,852,774.49** while total incoming Mobile to Mobile minutes was **132,599,320,077.17**. MTN reported the highest Outgoing Traffic of **139,765,518,988** and the highest incoming Traffic of **97,722,660,910** for the period under review.

MOBILE TO MOBILE TRAFFIC 2024			
OPERATOR	OUTGOING	INCOMING	TOTAL
MTN	139,765,518,988.00	97,722,660,910.00	237,488,179,898.00
GLO	19,613,008,043.56	13,529,180,115.86	33,142,188,159.42
AIRTEL	16,411,021,978	20,328,343,854	36,739,365,832.00
EMTS	1,261,644,982.59	975,428,694.43	2,237,073,677.02
SMILE	370,658,782	43,706,503	414,365,285
TOTAL	177,421,852,774.49	132,599,320,077.17	310,021,172,851.66

Table 15a: Mobile to Mobile Voice Traffic December 2024

OPERATOR	MOBILE TO MOBILE TRAFFIC 2023	MOBILE TO MOBILE TRAFFIC 2024	YEAR ON YEAR CHANGE
MTN	203,765,389,467.00	237,488,179,898.00	16.55
GLO	32,412,744,372.73	33,142,188,159.42	2.25
AIRTEL	55,259,865,525.00	36,739,365,832.00	-33.52
EMTS	4,220,593,900.76	2,237,073,677.02	-47.00
SMILE	315,659,825	414,365,285	31.27
NTEL*	853,968,353.00	-	
TOTAL	296,828,221,443.49	310,021,172,851.66	4.44

Table 15b: Mobile to Mobile Voice Traffic December 2023 – 2024

** Ntel did not offer Service in year 2024*

MOBILE TO MOBILE TRAFFIC (2024)

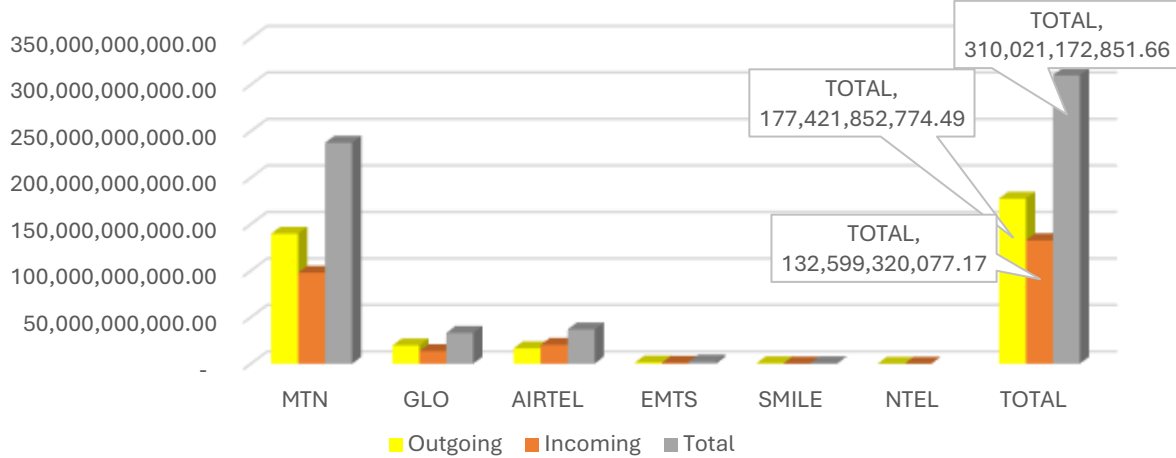


Figure 11: Mobile to Mobile traffic – December 2024

- iv. **Mobile to Fixed Voice Call Traffic in 2024:** - As at December 2024 Total Outgoing Mobile to Fixed minutes was **16,683,805,142.35** while Total incoming Mobile to Mobile minutes was **14,665,686,777.59**. MTN reported the highest Outgoing Traffic of **16,635,721,798** and the highest Incoming Traffic of **14,492,409.255** for the period under review.

MOBILE TO FIXED TRAFFIC 2024			
OPERATOR	OUTGOING	INCOMING	TOTAL
MTN	16,635,721,798.00	14,492,409,255.00	31,128,131,053.00
GLO	83,318.68	2,558,720.67	2,642,039.35
AIRTEL	44,510,356	166,503,587.00	211,013,943.00
EMTS	3,489,669.67	4,215,214.92	7,704,884.59
TOTAL	16,683,805,142.35	14,665,686,777.59	31,349,491,919.94

Table 16a: Table of Mobile to Fixed Traffic in 2024

OPERATOR	MOBILE TO FIXED TRAFFIC (INCOMING & OUTGOING) 2023	MOBILE TO FIXED TRAFFIC (INCOMING & OUTGOING) 2024	YEAR ON YEAR % CHANGE
MTN	21,590,334,837.00	31,128,131,053.00	44.18
GLO	82,611,632.52	2,642,039.35	-96.80
AIRTEL	225,936,869.00	211,013,943.00	-6.60
EMTS	4,617,665.63	7,704,884.59	66.86
TOTAL	21,903,501,004.15	31,349,491,919.94	43.13

Table 16b: Table of Mobile to Fixed Traffic 2023 - 2024

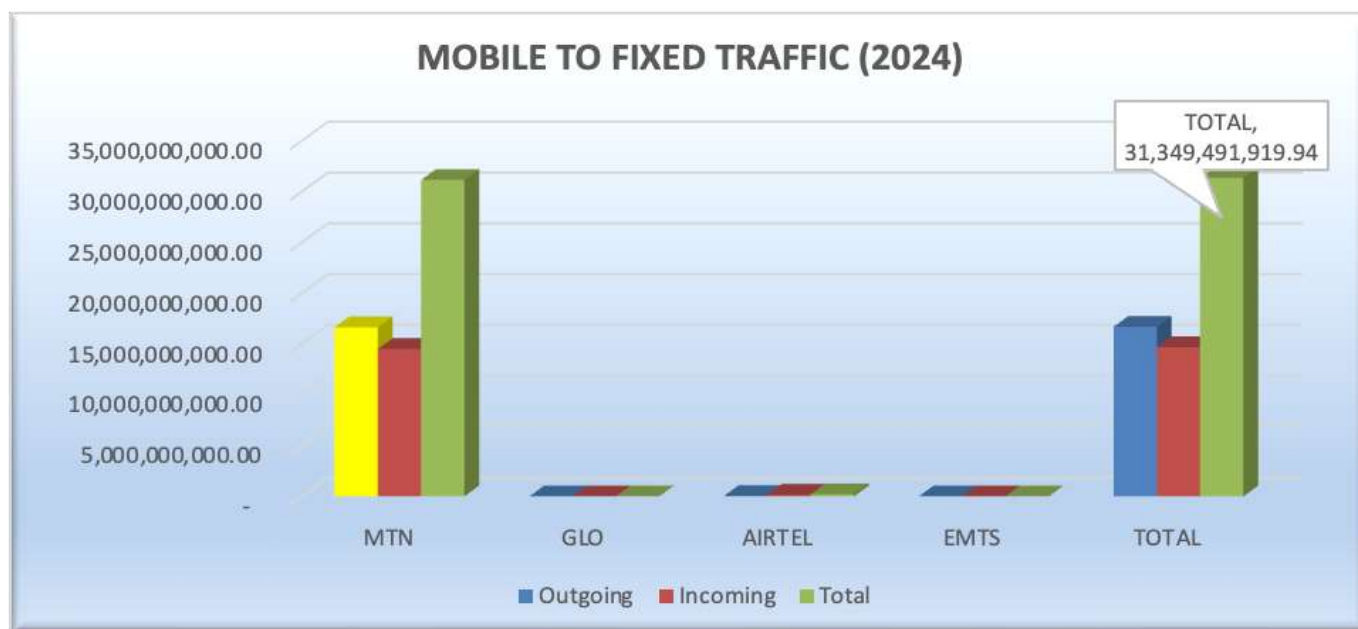


Figure 12: Mobile to Fixed traffic – December 2024

- v. **Number of Roaming Minutes in 2024:** The Total Number of Mobile Roaming Minutes Outgoing and Incoming as at December 2024 for the Mobile Operators was **38,349,682.11** and **33,507,187.60** minutes respectively. MTN posted the highest incoming and outgoing minutes of **20,119,785** and **18,762,853** respectively. See Table 17a & Figure 13 below;

NUMBER OF ROAMING MINUTES 2024			
OPERATOR	OUTGOING	INCOMING	TOTAL
MTN	20,119,785.00	18,762,853.00	38,882,638.00
GLO	1,894,322	2,610,265	4,504,587.00
AIRTEL	15,562,461	10,811,382	26,373,843
EMTS	773,114.11	1,322,687.60	2,095,801.71
TOTAL	38,349,682.11	33,507,187.60	71,856,869.71

Table 17a: Number of Roaming Minutes (2024)

OPERATOR	TOTAL NUMBER OF ROAMING MINUTES 2023	TOTAL NUMBER OF ROAMING MINUTES 2024	YEAR ON YEAR CHANGE
MTN	85,737,426.00	38,882,638.00	-54.65
GLO	5,828,960.00	4,504,587.00	-22.72
AIRTEL	45,754,411	26,373,843	-42.36
EMTS	4,474,914.16	2,095,801.71	-53.17
TOTAL	141,795,711.16	71,856,869.71	-49.32

Table 17b: Number of Roaming Minutes (2023 - 2024)

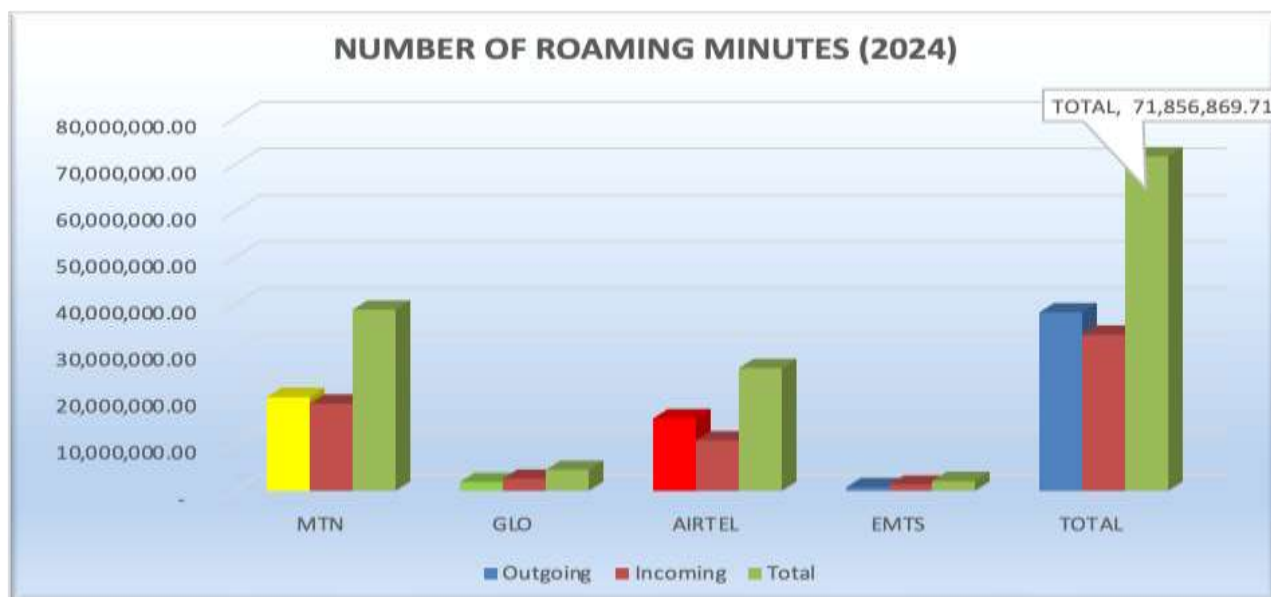


Figure 13: Number of Roaming Minutes-December 2024

vi. **National SMS in 2024:** The Total Number of national SMS both sent and received as at December 2024 was **20,577,252,681**. This translates to a drop of **10.43%** from that of the total SMS sent and received in year 2023 which stood at **22,973,122,651** SMS.

- SMS sent out in year 2024 declined by **9.39%** compared to year 2023.
- Incoming SMS in year 2024 also decreased by **11.41%** than that of Year 2023.
- In Year 2024, MTN recorded the highest count of SMS received and sent which stood at **6,965,499,415** and **7,229,485,171** respectively as indicated in Table 18a and in Figure 14:

SMS MESSAGES NATIONAL 2024			
OPERATOR	SMS SENT	SMS RECEIVED	TOTAL
MTN	6,965,499,415	7,229,485,171	14,194,984,586.00
GLO	519,687,402	723,541,017	1,243,228,419.00
AIRTEL	2,530,814,229	2,413,229,096	4,944,043,325.00
EMTS	109,910,509	83,370,007	193,280,516.00
SMILE	389,441	1,326,394	1,715,835.00
TOTAL	10,126,300,996.00	10,450,951,685.00	20,577,252,681.00

Table 18a: Total number of Outgoing/Incoming Local/National SMS trend (2024)

OPERATOR	NUMBER OF SMS MESSAGES LOCAL & NATIONAL (OUTGOING/INCOMING) 2023	NUMBER OF SMS MESSAGES LOCAL & NATIONAL (OUTGOING/INCOMING) 2024	YEAR ON YEAR % CHANGE
MTN	16,786,686,233.00	14,194,984,586.00	-15.44
GLO	1,350,294,716.00	1,243,228,419.00	-7.93
AIRTEL	4,376,812,811.00	4,944,043,325.00	12.96
EMTS	458,102,604.00	193,280,516.00	-57.81
SMILE	1,226,287.00	1,715,835.00	39.92
TOTAL	22,973,122,651.00	20,577,252,681.00	-10.43

Table 18b: Total number of Outgoing/Incoming Local/National SMS trend (2023 - 2024)

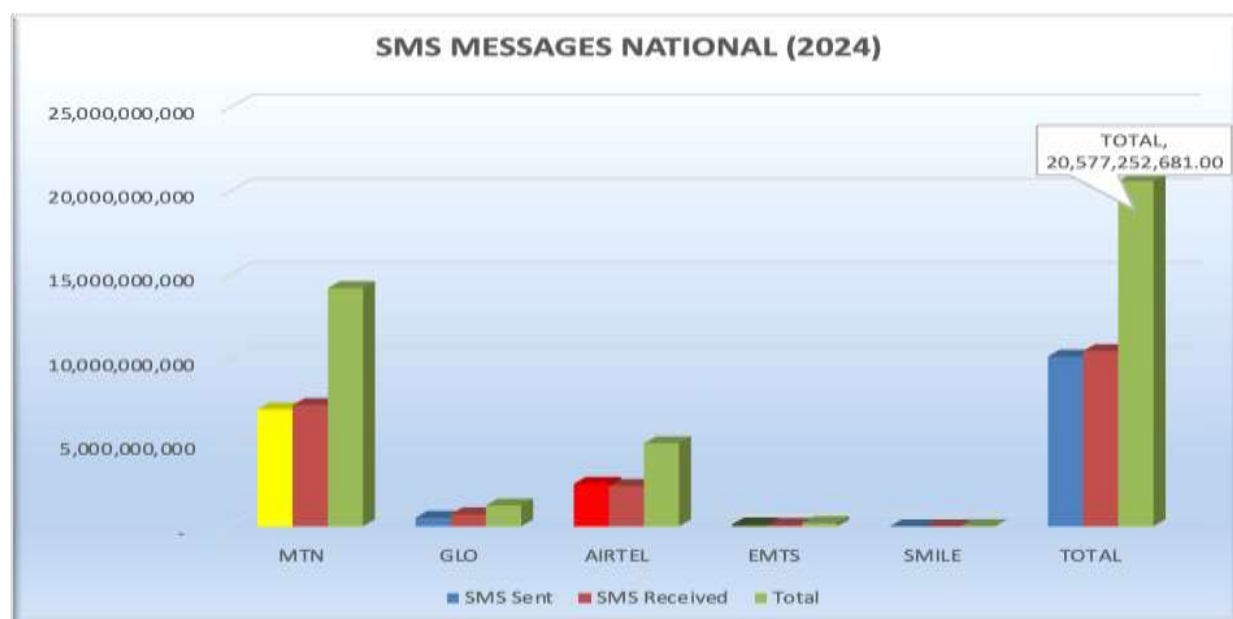


Figure 14: Total Outgoing/ Incoming SMS, Mobile December 2024

- vii. **International SMS in 2024:** The Total Number of International SMS sent as at December 2024 was 112,599,173 while total number of SMS received was 281,869,268. See Table 19a & Figure 15 below;

SMS MESSAGES INTERNATIONAL 2024			
OPERATOR	SMS SENT	SMS RECEIVED	TOTAL
MTN	29,228,154	13,787,757	43,015,911
GLO	1,024,551	5,926,903	6,951,454
AIRTEL	82,108,587	255,002,530	337,111,117
EMTS	237,881	7,152,061	7,389,942
SMILE	-	17	17
TOTAL	112,599,173	281,869,268	394,468,441

Table 19a: Total number of Outgoing/Incoming International SMS trend 2024

OPERATOR	NUMBER OF SMS MESSAGES INTERNATIONAL (Outgoing/Incoming) 2023	NUMBER OF SMS MESSAGES INTERNATIONAL (Outgoing/Incoming) 2024	YEAR ON YEAR % CHANGE
MTN	34,512,250	43,015,911	24.64
GLO	6,888,345	6,951,454	0.92
AIRTEL	275,138,532	337,111,117	22.52
EMTS	23,087,436	7,389,942	-67.99
SMILE	54,008	17	-99.97
TOTAL	339,680,571	394,468,441	16.13

Table 19b: Total number of Outgoing/Incoming International SMS trend (2023 – 2024)



Figure 15: Total Outgoing/ Incoming SMS International, 2024

- Total Number of International SMS sent increased from 75,414,619 in year 2023 to 112,599,173 in year 2024; this indicates a 49.30% increase in SMS international sent in year 2024.
- Similarly, the Number of international SMS received in year 2023 increased from 264,265,952 SMS to 281,869,268 SMS as at December 2024. This translated to a 6.66% gain.
- Airtel recorded the highest count of incoming and outgoing SMS at 255,002,530 and 82,108,587 respectively in year 2024. This is as shown in Table 19a above.

3. SUBSCRIBER & SERVICE DATA – INTERNET SUBSCRIPTIONS

3a. Mobile Subscriber Internet Data- 2024:

As at December 2024 the total active internet subscriptions decreased to **138,983,537** from **163,603,459** subscriptions reported in December 2023. This indicates a **15.05%** decline in Total Active Internet Subscriptions Year on Year as shown below:

OPERATORS	ACTIVE INTERNET SUBSCRIPTIONS DECEMBER'23 (GSM & VOIP)	ACTIVE INTERNET SUBSCRIPTIONS DECEMBER'24 (GSM & VOIP)	DIFFERENCE	% CHANGE
MTN	70,659,889	72,221,248	1,561,359	2.21
GLO	43,998,101	17,076,430	(26,921,671)	-61.19
AIRTEL	45,064,857	47,412,761	2,347,904	5.21
EMTS	3,630,796	2,064,533	(1,566,263)	-43.14
SMILE	246,199	208,565	(37,634)	-15.29
NTEL*	3,617	-	-	-
TOTAL	163,603,459	138,983,537	(24,619,922)	-15.05

Table 20: Active Internet Subscription (GSM) Operators 2023-2024

Ntel did not offer service in Year 2024s

- In view of Table 12 above, GLO, EMTS, SMILE and NTEL experienced losses in subscriptions during the period under review.
- AIRTEL recorded the highest percentage increase of Active Internet Subscription of 5.21%.

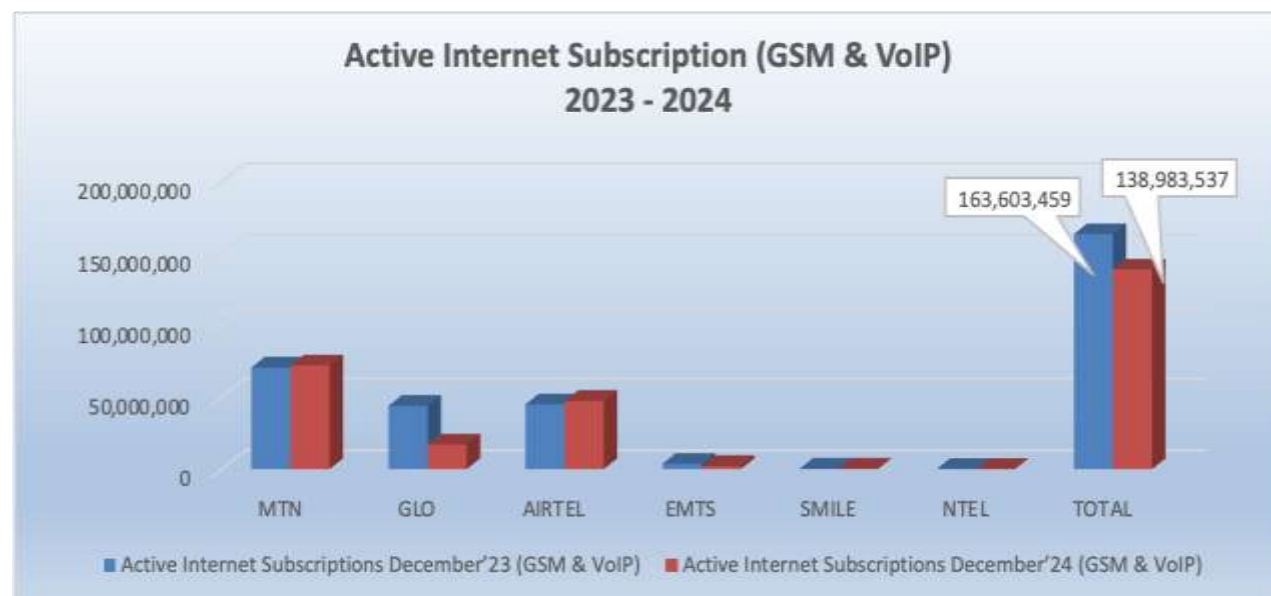


Figure 16: Total Number of Active Mobile Subscriptions – (2023- 2024)

3b. Active Subscriptions to Mobile Broadband (Broadband Penetration 2024):

The Broadband Penetration percentage is the summation of Counts of Total Active 3G, 4G & 5G Subscriptions, Active Subscriptions to all ISPs as well as Fixed Wired Internet Subscriptions.

The subscriptions indicate that Broadband penetration stood at 44.43% as at December 2024. The graph below represents Broadband Penetration within the period under review.

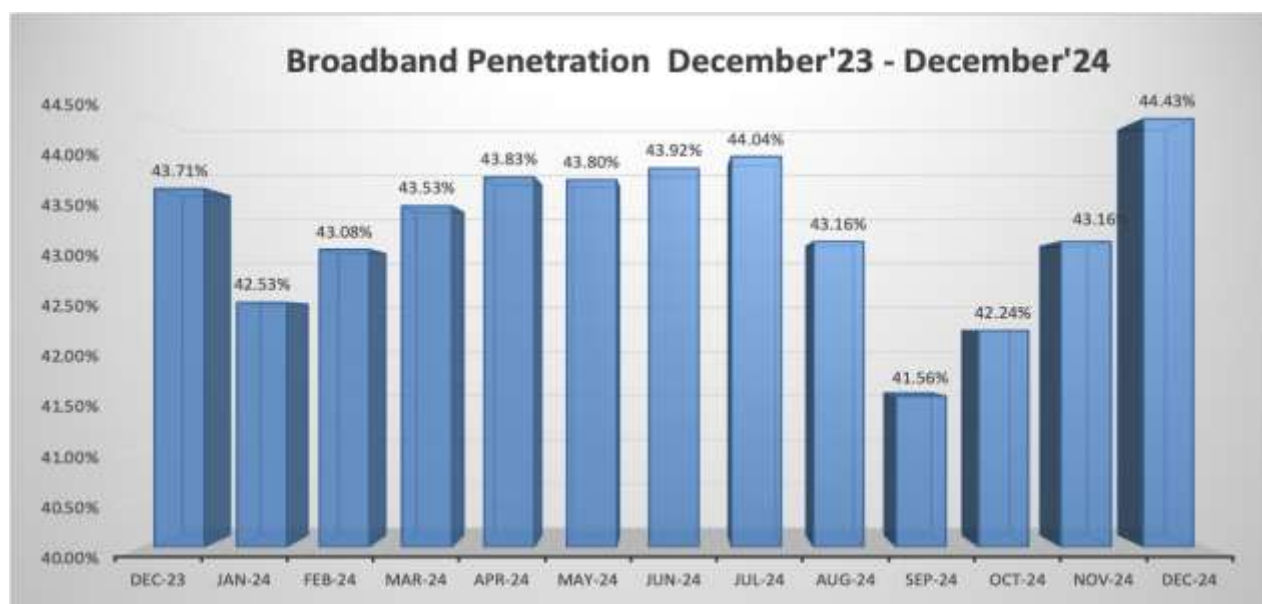


Figure 17: Active Broadband Subscriptions (2024)

3c. Data Usage/Consumption Statistics – December 2024:

The total annual volume of data consumed by subscribers increased from **7,272,020.26TB** TB in Year 2023 to **9,763,595.18TB** in 2024 indicating a percentage increase of **34.26%** Year on Year. There was an increase in the annual volume of data consumed in 2024 when compared with 2023.

3d. Machine to Machine (2024):

This refers to the number of Mobile-Cellular machine to machine subscriptions that are assigned for use in machines and devices for the exchange of data between networked devices and are not part of a consumer subscription.

As at December 2024 the number of Mobile-Cellular machine-machine subscriptions as reported by **MTN, GLO, AIRTEL** and **EMTS** was **1,335,569** against **1,628,060** subscriptions in 2023 indicating a 17.97% decline in subscription from the previous year.

MTN had the highest number of Machine-to-Machine subscriptions with 801,599; AIRTEL had 375,013; EMTS – 147,421; GLO – 11,169 and Smile recorded 367 M2M subscriptions as shown in Figure 17 below;

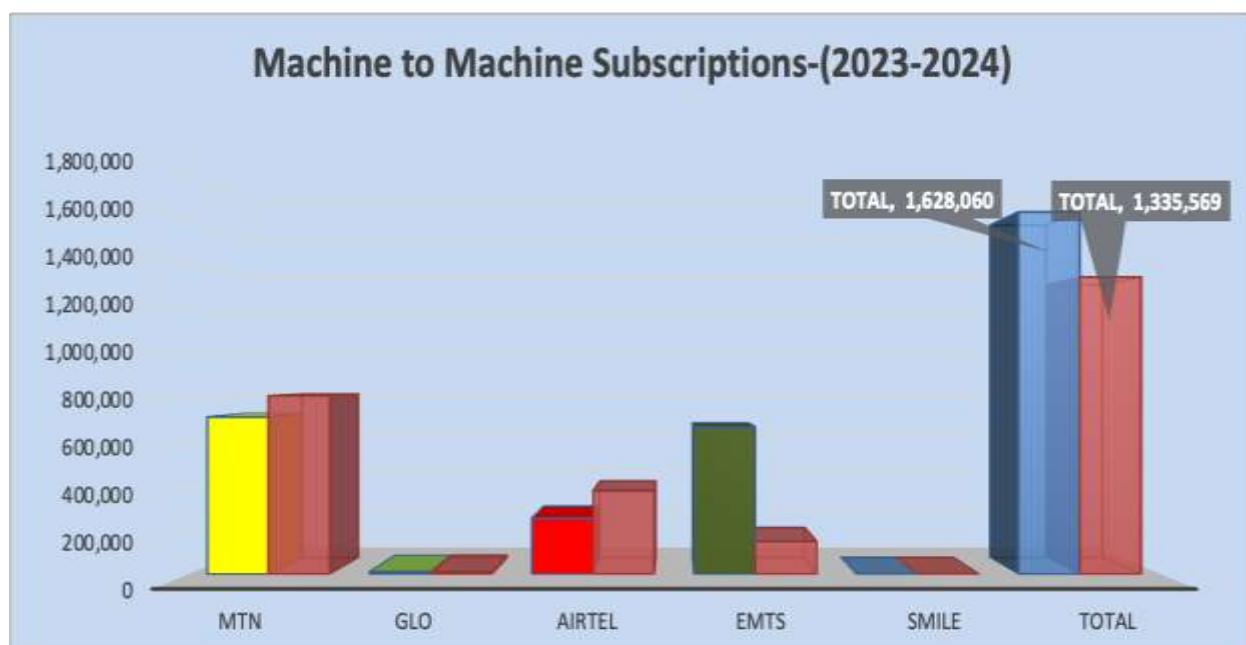


Figure 18: Machine to Machine Subscriptions (2023-2024)

3e. Number of Data-Only Mobile-Broadband Subscriptions – Dongles (2024) SIMs without Voice Subscriptions:

This refers to subscriptions to mobile broadband services that allow access to the open Internet via hypertext transfer protocol (*HTTP*) and do not include voices services, i.e. Subscriptions that offer mobile broadband as a standalone service such as mobile-broadband subscriptions for data-cards, USB modem/dongle and tablets. MTN, GLO, AIRTEL and EMTS had a total number of **2,475,698** Data-Only Mobile-Broadband Subscriptions (Dongles) as at December 2023.

In summary, AIRTEL, GLO, MTN, EMTS and SMILE each recorded **1,683,965; 420,195; 370,448; 563 and 527** Data-Only Mobile-Broadband Subscriptions (Dongles) respectively as at December 2024.

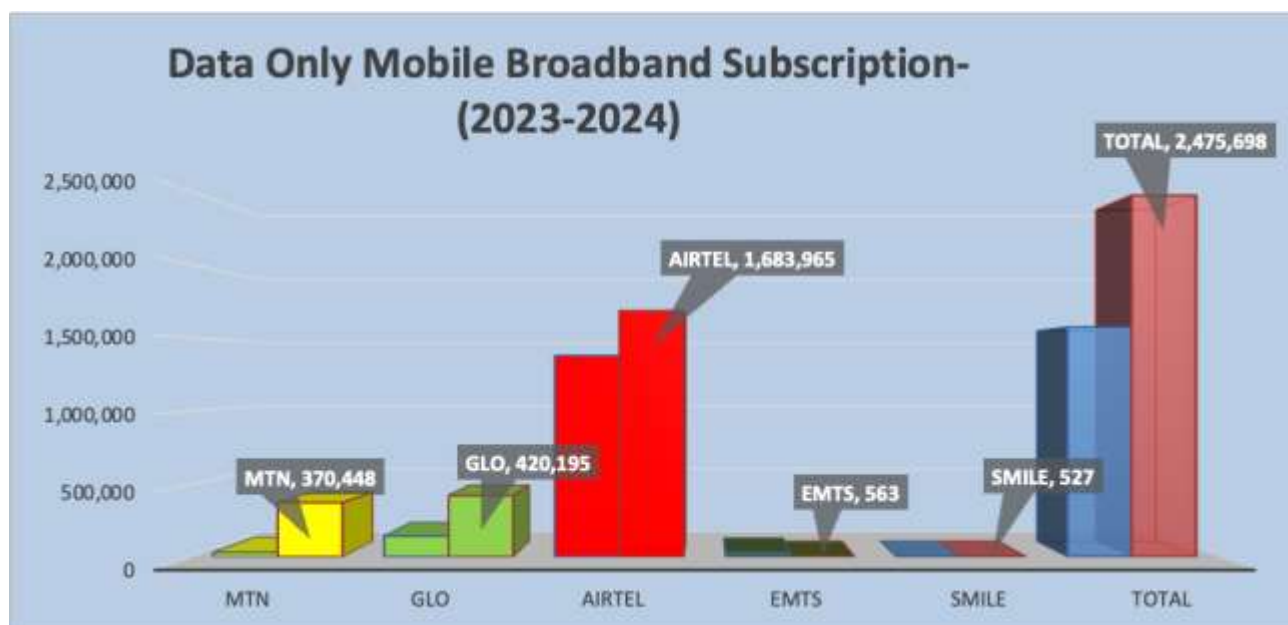


Figure 19: Data-Only Broadband Subscriptions December (2023 - 2024)

4. SUBSCRIBER & SERVICE DATA – PORTING TREND IN NIGERIA AS AT DECEMBER 2024

4a. The Mobile (GSM) Number Porting Activities:

This segment highlights porting activities across the various Mobile GSM networks (*MTN, GLO, AIRTEL & EMTS*) in the country and analysis of these activities. Porting activities rose from **67,362** in year 2023 to **110,776** in year 2024 indicating a percentage increase of **64.45%**.

4b. Port- In activities Year 2024:

The count of Port-In activities increased from **33,681** in the year 2023 to **55,388** in the year 2024. Table 21 and Figure 19 below illustrate the Port-In performance in the telecommunications sector between 2023 and 2024.

OPERATOR	PORT-IN ACTIVITIES JAN-DEC 2023	PORT-IN ACTIVITIES JAN-DEC 2024	% INCREASE /DECREASE
MTN	23,038	36,412	58.05
GLO	2,102	4,469	112.6
AIRTEL	7,399	13,783	86.82
EMTS	1,142	724	(36.6)
TOTAL	33,681	55,388	64.45

Table 21. Port-In Activities 2023 - 2024

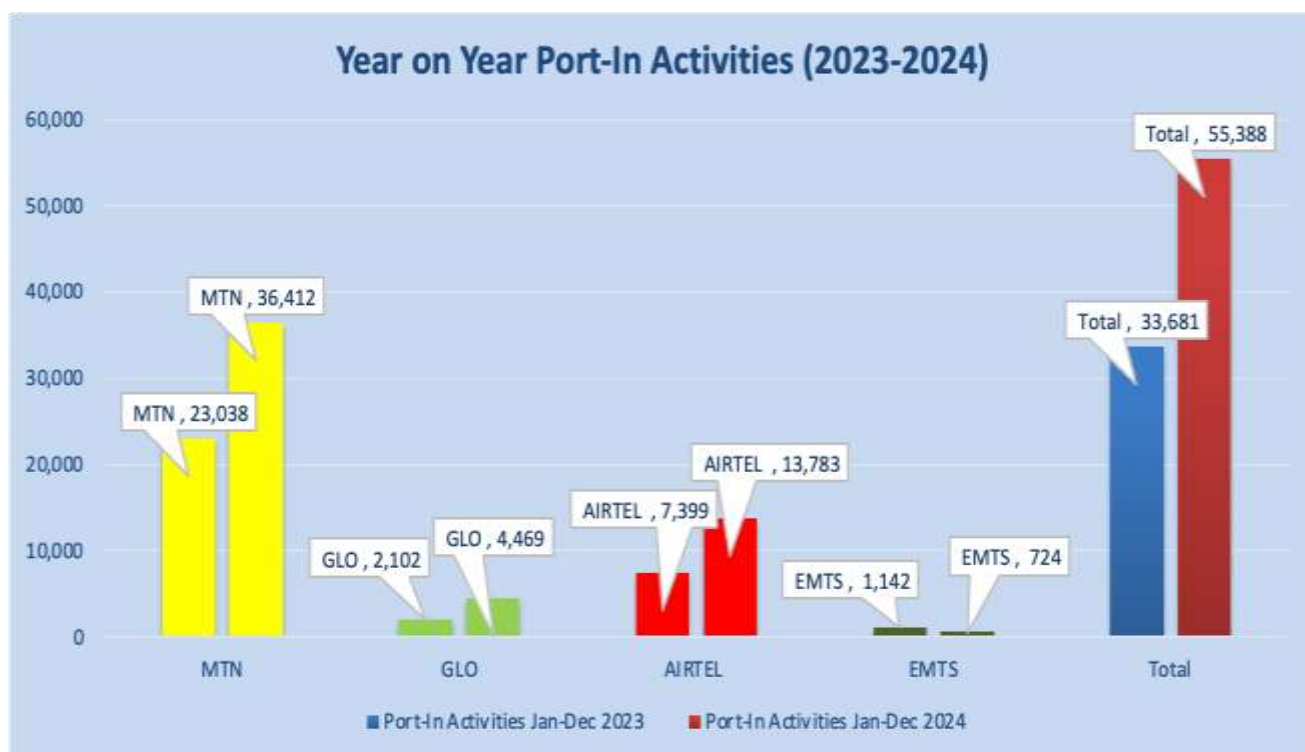


Figure 20: Port-In Activities Jan-Dec and Percentage Increase/Decrease of Port-In (2023 – 2024)

4c. Port-Out activities Year 2024:

The Count of Port-out activities increased from **33,681** in year 2023 to **55,388** in year 2024, indicating a rise of 64.45% year on year performance analysis. Table 22 and Figure 20 below illustrate the Port-Out performance in the telecommunications sector between 2023 and 2024.

OPERATOR	Port-Out Activities Jan-Dec 2023	Port-Out Activities Jan-Dec 2024	% increase /decrease
MTN	2,630	2,693	2.4
GLO	3,514	3,813	8.5
AIRTEL	4,121	4,224	2.5
EMTS	23,416	44,658	90.72
TOTAL	33,681	55,388	64.45

Table 22: Count of Port-Out Activities-December 2023-2024

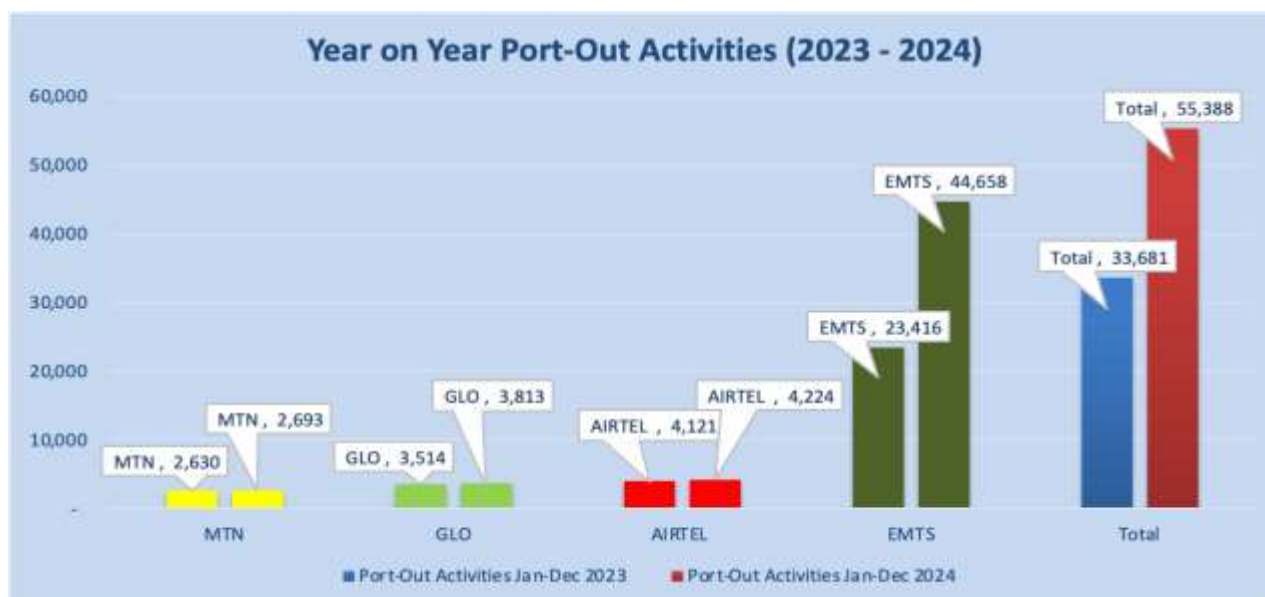


Figure 21: Port-Out Activities and Percentage Increase/Decrease of Port-Out Activities December 2023-2024

5. FINANCIAL DATA

5a. Revenue: The Operators in this market segment as at December 2024 recorded an approximate total revenue of **₦5,325,453,820,000** as against **₦4,012,411,230,000** recorded in Year 2023. This reflects an increase of **32.72%** of total revenue from the Mobile Network Operators.

5b. Operating Cost: Total Operating Cost for the Operators increased from **₦2,515,454,790,000** in Year 2023 to **₦4,577,460,510,000** at the end of Year 2024. This illustrates an increase of **81.97%** within the period reviewed.

5c. CAPEX- Local Investments in the Industry (2022-2023): The Operators reported a total CAPEX of **₦2,707,349,350,000** in Year 2024 as against the **₦983,180,390,000** invested in Year 2023, indicating an increase of **175.37%** within the period.

6. STAFF PROFILE:

The total number of Staff reported by the Mobile Operators (MTN, GLO, AIRTEL, EMTS and SMILE) as at December 2024 was **6,658** composed of (**6,480** - Nigerians and **178**-Expatriates). Further breakdown of this category reveals that **4,149** of the Nigerian Staff are Male while **2,331** are female. Similarly, **174** are male expatriates and **4** are female expatriates.

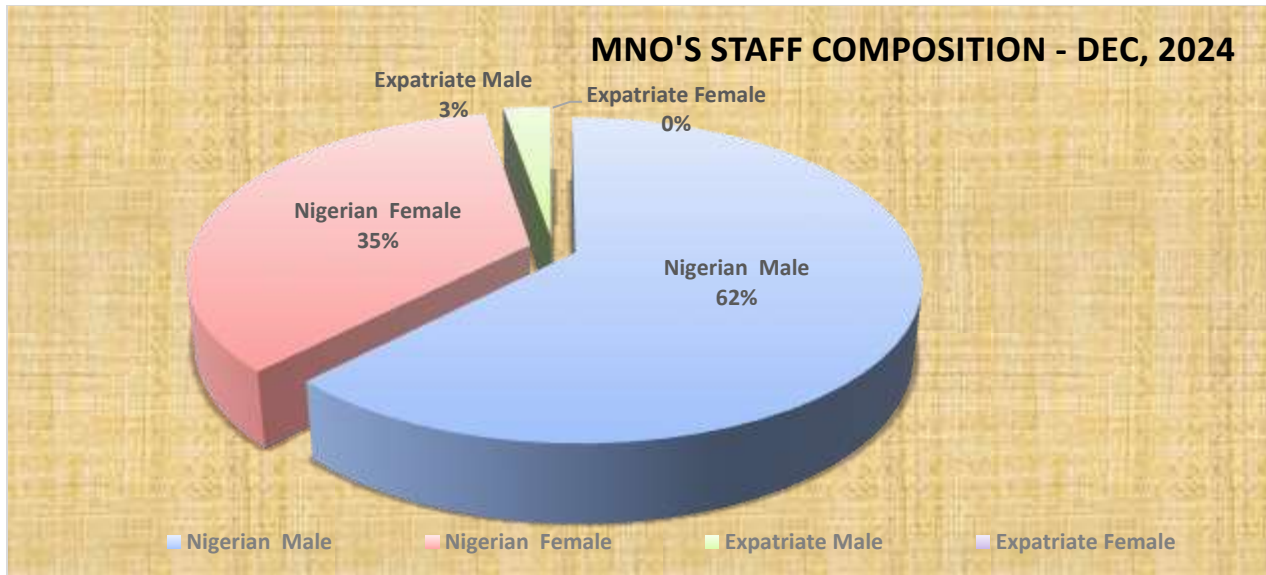


Figure 22: Staff Count by MNOs as at December 2024

CHAPTER THREE

ANALYSIS OF 2024 YEAR END SUBSCRIBER/ NETWORK DATA

FIXED TELEPHONY (FIXED WIRED/FIXED WIRELESS) OPERATORS

The Fixed year-end performance report depicts the analysis of the fixed market segment as at December 2024. It covers the performance of key Operators including **MTN, GLO, IpNX, Inq. Digital, Swift Telephone Network** and **Big Picture** as detailed in the report below:

NETWORK DATA

1. INFRASTRUCTURE DEPLOYMENT

1a. Fiber Optics (Land): As at December 2024, the Fixed Telephony segment recorded **11,743.67km** of on-land fibre optics network deployment. Inq Digital reported **10,879.30km** and IpNX; **864.37km** of on-land fibre optics network deployment.

1b. Microwave Radio: As at December 2024 Microwave Radio deployment stood at **310km** and IpNX was responsible for the reported deployment.

1c. Trunks in Use: The Operators in this market segment reported - 21st Century (**720km**); IpNX (**2km**) and Swift Telephone Network (**2km**). This aggregates **724km** Trunks (E1) in use as at December 2024.

1d. Gateways in Use: IpNX, 21st Century and Swift Telephone Network jointly reported a total of **10 Gateways** in use as at December 2024. IpNX (6); 21ST Century (3); and Swift (1).

2. SUBSCRIBER AND SERVICES DATA

2a. Total Active Voice Subscriptions: As at December 2024 Total Active Voice Subscription declined to **96,257** subscriptions from **101,707** subscription recorded in 2023 which translates to 5.36% decrease. The loss in subscription was due to subscriber churn carried out within the reporting year.

During the year under review Big Picture, IpNX, GLO and MTN each recorded a decline of **57.95%, 53.87%, 42.67%** and **11.79%** respectively.

TOTAL ACTIVE VOICE SUBSCRIPTIONS (2023 – 2024)			
OPERATOR	2023	2024	DIFFERENCE
MTN	7,483	6,601	-11.79
GLOBACOM	2,681	1,537	-42.67
21ST CENT	85,567	85,567	0.00
IPNX	956	441	-53.87
BIG PICTURE	5,020	2,111	-57.95
TOTAL	101,707	96,257	-5.36

Table 23: Total Active Voice Subscriptions (2023 & 2024)

***21st Century did not make submission*



Figure 23: Total Active Voice Subscriptions (2023 & 2024)

***21st Century did not make submission*

2b. Total Active Internet Subscriptions: As at December 2024 the **Active Internet subscriptions** for MTN and 21st Century totaled **13,395** subscriptions. This indicates a decrease of **33.94%** from 2023 which was **20,276** subscriptions.

****IpNX Internet subscriptions are contained in the Internet service Provider (ISP) segment of this report as the Operator has a Private Network Link (PNL) and an ISP License.*

TOTAL ACTIVE FIXED INTERNET SUBSCRIPTIONS			
OPERATOR	2023	2024	DIFFERENCE
MTN	2,863	10,610	270.59
21ST CENT	2,785	2,785	0.00
IPNX	14,628	-	-
TOTAL	20,276	13,395	-33.94

Table 24: Total Active Internet Subscriptions (2023 & 2024)

***21st Century did not make submission*

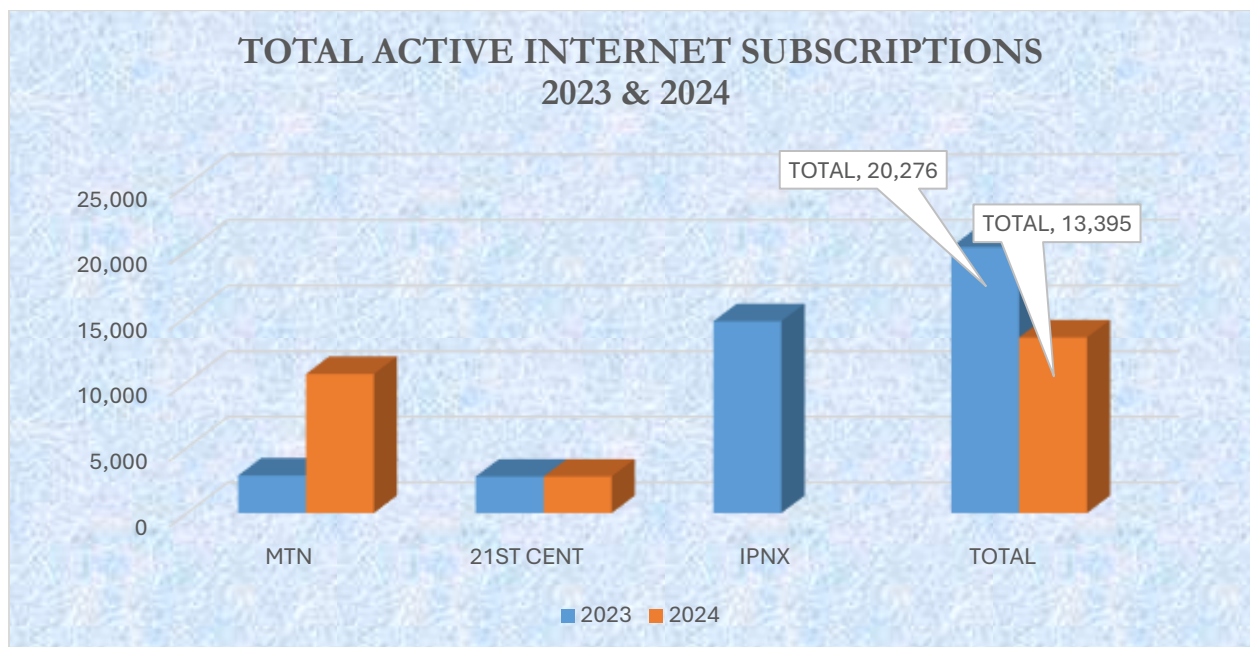


Figure 24: Total Active Internet Subscriptions (2023 - 2024)

***21st Century did not make submission*

3. TRAFFIC DATA

3a. Local and National Traffic (Outgoing): As at December 2024, the total minutes generated for local and national **outgoing traffic** (paid minutes) by fixed telephone Operators; MTN, 21st Century, IpNX, Inq. Digital, Swift Telephone, and Big Picture was **3,085,239, 40,665,042, 316,105,700, 26,480,178, 21,790,826, and 4,157,860** respectively, making a total of **412,284,846** Local & National **Outgoing** traffic.

3b. Local and National Traffic (Incoming): As at December 2024, the total minutes generated for local and national **incoming traffic** (paid minutes) by Fixed telephone Operators; MTN, 21st Century, IpNX, Inq. Digital, Swift and Big Picture was **176,788, 34,737,556, 11,335,910, 16,526,528, 7,093,509 and 236,607** respectively, making a total of **70,106,898** Local & National Incoming traffic.

An analysis of the **Total Outgoing and Incoming Local National Telephone Traffic** data for this market segment shows that a substantial increase in traffic Year on Year in this traffic was generated by IpNX, for Outgoing and Inq. Digital for incoming traffic during the year under review.

LOCAL AND NATIONAL TELEPHONE TRAFFIC (IN MINUTES) 2024		
OPERATORS	OUTGOING	INCOMING
MTN	3,085,239	176,788
21ST CENT	40,665,042	34,737,556
IPNX	316,105,700	11,335,910
INQ.DIGITAL NIGERIA LIMITED	26,480,178	16,526,528
SWIFT TELEPHONE NETWORK LIMITED	21,790,826	7,093,509
BIG PICTURE	4,157,860	236,607
TOTAL	412,284,846	70,106,898

Table 25: Total Number of Local & National Outgoing/ Incoming Calls (2024)

***21st Century did not make submission*

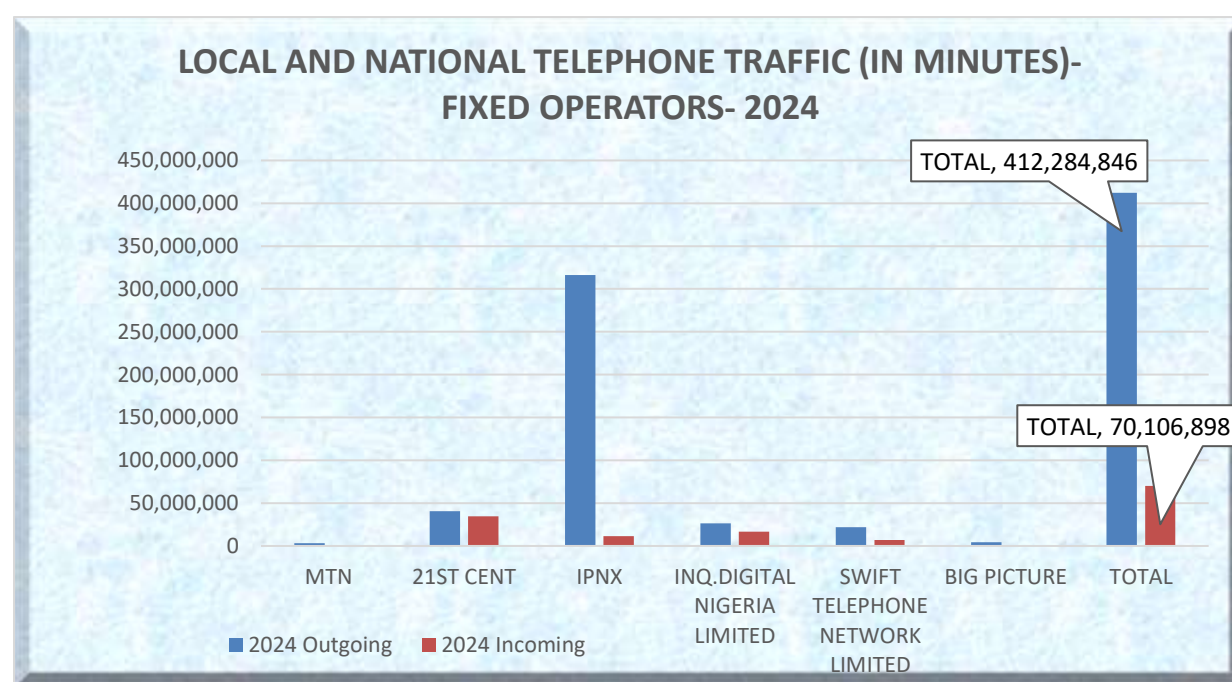


Figure 25: Total Number of Local & National Outgoing/ Incoming Calls (2024)

***21st Century did not make submission*

3c. Total number of Fixed to Mobile traffic:

As at December 2024 the total number of **Outgoing** Fixed to Mobile traffic reported was **125,040,104**. While the total number of **Incoming Fixed to Mobile** traffic as at December 2024 was **177,712,815**.

Analysis of the **Fixed to the Mobile** traffic for the Fixed market segment shows that a considerable percentage of this traffic was generated on the **IpNX**, for **Outgoing** traffic and **21st Century network** for **Incoming** traffic.

FIXED TO MOBILE TRAFFIC 2024			
OPERATORS	OUTGOING	INCOMING	TOTAL
MTN	35,875,263.00	8,839,393.00	44,714,656.00
21ST CENT	40,588,730.90	134,486,309.15	175,075,040.05
IPNX	305,105.70	10,332,171.21	10,637,276.91
BIG PICTURE	-	434,905.13	434,905.13
INQ.DIGITAL NIGERIA LIMITED	26,480,178.15	16,526,527.76	43,006,705.91
SWIFT TELEPHONE NETWORK LIMITED	21,790,826.40	7,093,508.83	28,884,335.23
TOTAL	125,040,104.15	177,712,815.08	302,752,919.23

Table 26: Total number of Fixed to Mobile Traffic (2024)

***21st Century did not make submission*

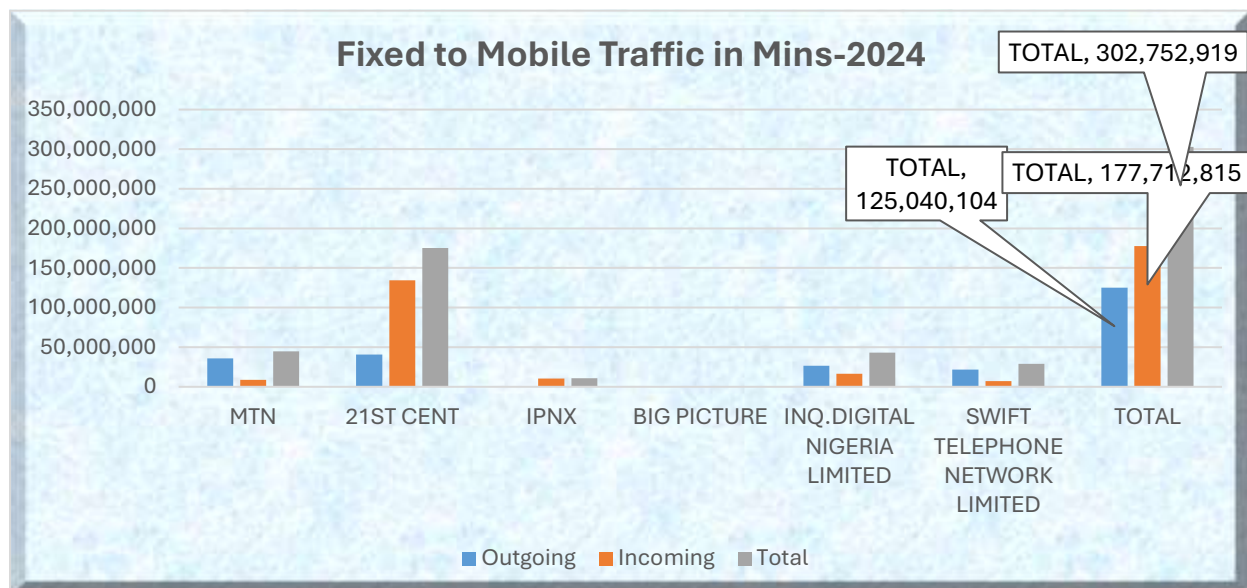


Figure 26: Total number of Fixed to Mobile Traffic (2024)

***21st Century did not make submission*

3d. Total number of Outgoing/ incoming Fixed Minutes International traffic:

As at December 2024 the total number of **Outgoing Fixed International** traffic (minutes) for MTN, 21st Century, IpNX, and Inq. Digital, were **142,559,474; 1,213,940; 316,105.70** and **19,161,340** minutes respectively. While **Incoming Fixed International** Traffic for MTN, 21st Century and Inq. Digital were **102,544; 2,815,420; 11,335,909.73**; and **784,820** respectively.

Overall, the total number of **Outgoing Fixed International** traffic reported was **163,250,860**, while **Incoming Fixed International** traffic was **15,038,694**.

Analysis of the **Outgoing/Originating Fixed minutes International Telephone traffic** for the fixed market segment shows that a considerable percentage of this traffic was generated on the **MTN network** for **Outgoing** traffic and **IpNX** for **Incoming** traffic for year 2024.

OUTGOING/ORIGINATING FIXED MINUTES INTERNATIONAL TELEPHONE TRAFFIC 2024			
OPERATORS	OUTGOING	INCOMING	TOTAL
MTN	142,559,474	102,544	142,662,018
21ST CENT	1,213,940	2,815,420	4,029,360
IPNX	316,105.70	11,335,909.73	11,652,015
INQ.DIGITAL NIGERIA LIMITED	19,161,340	784,820	19,946,160
TOTAL	163,250,860	15,038,694	178,289,553

Table 27: Local and National Telephone Traffic 2024 (In Minutes)

***21st Century did not make submission*

4. FINANCIAL DATA:

4a. Revenue: The Operators in this market segment as at December 2024 recorded an approximate total revenue of **₦410,437,581** against **₦273,010,222** recorded in Year 2023. This reflects an increase of **50.34%** of total Revenue from the Fixed Network Operators.

4b. Operating Cost: Similarly, the total Operating Cost for the Operators increased from **₦214,750,471.30** in Year 2023 to **₦267,181,628** at the end of Year 2024. This illustrates an increase of **24.41%** within the period reviewed.

4c. CAPEX- Local Investments in the segment: The total Revenue as at December 2024 for the Fixed Service Providers was **₦60,000,000**

5. STAFF PROFILE

The total number of Staff reported by the Fixed telephone Operators (21st Century, IpNX, Swift Telephone Network and Big Picture) as at December 2024 was 272 comprising of 194 Male and 78 Female staff with 2 recorded Male expatriates.

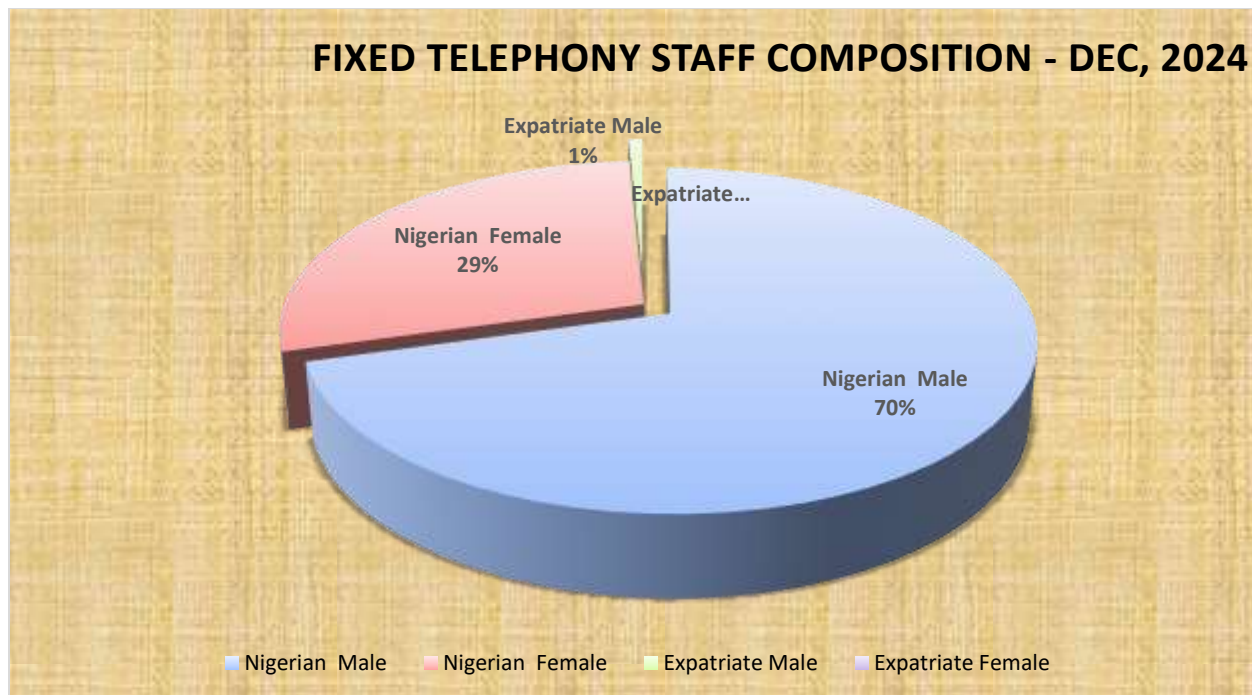


Figure 27: Fixed Operators Staff Count as at December 2024

CHAPTER FOUR

ANALYSIS OF 2024 YEAR END PERFORMANCE REPORT FOR INTERNET SERVICE PROVIDERS (ISPs)

A. INTRODUCTION:

In line with the Commission's procedures for the Year-End data collection from the Internet Service Providers (ISPs) through administration of questionnaires, a total number of 187 (One Hundred and Eighty-Seven) ISPs were requested to make submissions for the year end 2024. Out of the 187 ISPs only 118 submissions were evaluated.

1. NETWORK DATA:

1a. Points of Presence (PoP):

The ISPs Point of Presence increased to **2,467** as at December 2024 from **2,377** PoPs recorded in December 2023 indicating a 3.79% increase within the period under review.

Figure 25. below and Appendix A (Table 1) shows a detailed distribution of PoPs illustrating that Spectranet had the highest number of PoPs with **643**, indicating **26%** of the PoPs, followed by Swifttalk Ltd (**183**), Galaxy Backbone Ltd (**151**), Tizeti Ltd (**148**), and Cyberspace Ltd (**132**) PoPs, indicating **7.4%**, **6.1%**, **6%** and **5.4%** respectively.

The Other ISPs had a combined total of **1,210 PoPs** representing **49%** of the Point of Presence - Arif Investment Ltd, Astramix Ltd and **28** other ISPs were among service providers with (1) point of presence.

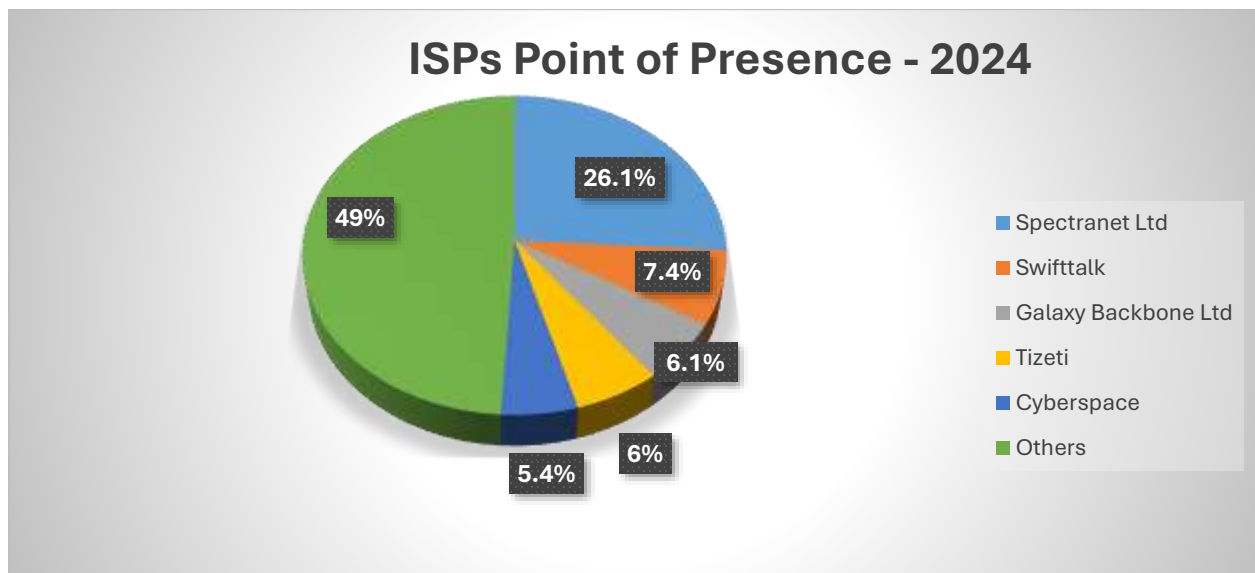


Figure 28. Analysis of Point of Presence (PoP)

1b. Operator Bandwidth Capacity

Inq. Digital Nigeria Ltd had the largest bandwidth capacity with 15,728,640Mbps (equivalent to 15,728Gbps or 15Tbps), followed by Liquid Intelligent Technology Ltd with 1,000,000Mbps (equivalent to 1000Gbps or 1Tbps) then MainOne Cable Company Ltd with 686,100Mbps equivalent to (686.1Gbps or 0.686Tbps) as at December 2024.

(Please see Appendix B, Table 2 for detailed distribution of Operators with corresponding Bandwidth Capacity).

1c. Access Advertised Speed being offered:

As at December 2024, the downlink speed offered by various Operators varied depending on their mode of deployment, the Operators' business model and the infrastructure used for deployment. There were low, medium and high access speed deployments as illustrated below.

- i. **The low access:** advertised speed categories ranged from 256 Kbps-10 Mbps. In this categories 8te Global, Astramix Ltd, and CBC Emea Ltd amongst others recorded the highest speed of up to 10 Mbps. Coz Internet Ltd, Interra Ltd, Inq Ltd, and Skynex Ltd recorded the lowest speed with between 1-2Mbps.
- ii. **The medium access:** advertised speed categories were 10 Mbps – 155 Mbps. Winrock Ltd, VDT Ltd, Swifftalk Ltd, Gutti Global Solution Ltd, and Cyberspace Ltd recorded the highest speed with about 155 Mbps each. Dimension Data Ltd (10,47), I-World Ltd (11), and Henag Company Ltd (11), amongst others recorded the lowest in this category with just above 10 Mbps offered.
- iii. **The high access:** advertised speed categories were 155 Mbps and above. Suburban Ltd, IPNX Ltd, Galaxy Backbone Ltd, Fibrehub Ltd and Broadbased Ltd offered the highest speed with up to 1Gbps. The lowest in this category include AFR-IX Data Communications Ltd (221Mbps), followed by Cobranet Ltd, Internetsional Ltd and Odua Telecoms Ltd with 250Mbps each.

(Please see Appendix C, Table 3 for the detailed distribution of Access Advertised Speed(s) being Offered)

2. SUBSCRIBER & SERVICES DATA:

2a. Total Number of Active Internet Subscriptions:

Total Active Internet Subscriptions in 2024 increased from **262,206** to **285,605** subscriptions recorded in December 2023, indicating **8.9%** increase in the total active subscriptions.

Spectranet Nigeria Ltd reported **102,486** subscriptions which accounted for about **35.9%** of the subscription, followed by Starlink Internet Services Nigeria Ltd and FiberOne Broadband Limited with **60,862 (21.3%)** and **19,000 (6.7%)** respectively. IPNX Nigeria Ltd and Tizeti Network Ltd had the 4th and 5th highest figures with **16,297 (5.7%)** and **16,173 (5.7%)** respectively.

(Please see Appendix D and Table 4 for the detailed distribution of Total Active Subscriptions as at December 2024)

2b. Total Number of Wired Subscriptions:

Total Active Wired Subscriptions recorded **71,272** subscriptions as at **December 2024** from **44,565** subscriptions in **December 2023** indicating an increase of **59.9%** in wired subscriptions during the period under review.

FibreOne Broadband Ltd recorded a total of **19,000** out of **71,272** subscriptions, accounting for approximately **26.7%** of the total subscriptions made in this category. This is followed by IPNX with **15,804** representing **22.2%**, and Broadbased Communications Ltd with **9,223 (12.9%)**. The increase recorded in this segment was due to increases in subscriptions by some ISPs during the reporting period.

(Please see Appendix E, Table 5 for Active Wired Subscriptions as at December 2024)

2c. Total Number of Wireless Subscriptions:

During the period under review, the total number of wireless subscriptions decreased from **217,641** as at **December 2023** to **214,333** in **December 2024** indicating a decrease of **1.5%**.

In this category, Spectranet Ltd has the highest number of Subscriptions of **101,459** that accounted for **47.3%** of the total subscriptions. This is followed by Starlink Internet Service Ltd, Tizeti Ltd with **60,862 (28.4%)**; **16,173 (7%)** respectively. CITCC Ltd and Paribas Ltd recorded the least figure with just **One (1)** subscription each. The decrease recorded in this segment was due to the loss of some clients during the period.

(Please see Appendix F, Table 6 for the distribution of Total Number of Wireless Subscriptions as at December 2024)

2d. Active Internet Subscribers per Region:

Upon analysing the ISP segment, an illustration of the total distribution of Internet Subscribers Per Region as at December 2024 is shown in Table 28 below.

Number of Internet Subscribers Per Region	Total	Percentage
South-South	28,779	10%
South-West	185,475	65%
South-East	6,671	3%
North-West	12,381	4%
North-East	3,545	1%
North-Central	48,754	17%
Total	285,605	100%

Table 28: Number of Active Internet Subscribers per Region as at December 2024

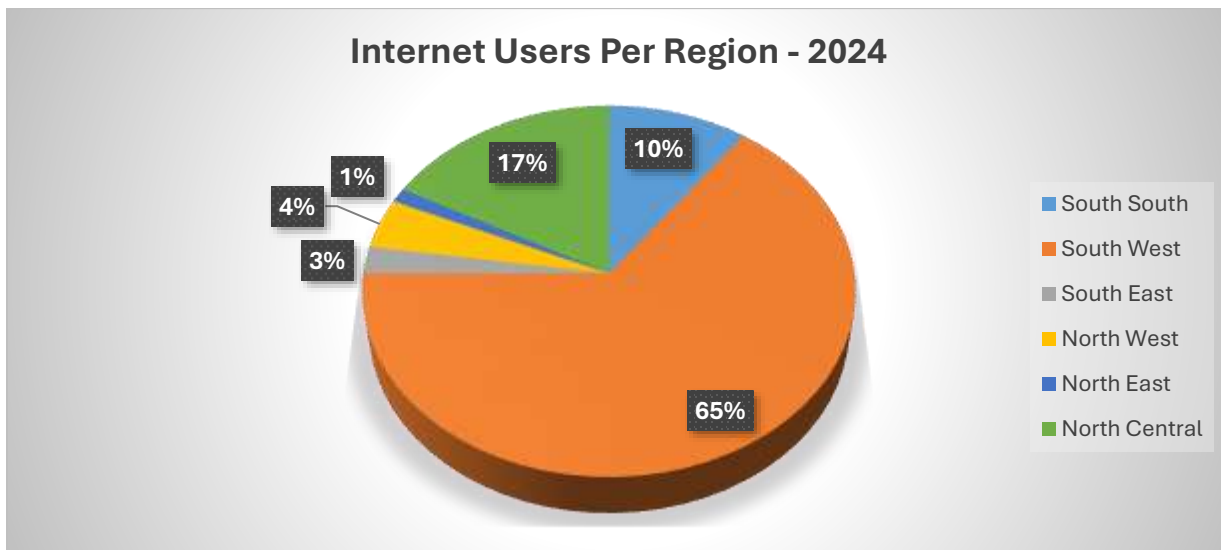


Figure 29: Number of Active Internet Subscribers per Region as at December 2024

In **December 2024**, the total number of Internet Subscriptions by ISPs in the Six (6) Geopolitical Zones was **285,605**. The breakdown of the analysis is as follows:

- South-West** had the highest number of Internet subscribers in December 2024 with **185,475 subscribers indicating 65%** of the total subscriptions
- North-Central** had the second highest with **48,754 subscribers (17%)**
- South-South** had **28,779 (10%)** subscribers.
- North-West** had **12,381 (4%)** subscribers.
- South-East** had **6,671 (3%)** subscribers.
- North-East** had **3,545 (1%)**, which was the least subscription of all the regions.

2e. ISP Per State Distribution Analysis:

Out of the 118 submissions analysed, 68 service providers are based in Lagos State representing 57.6%, 26 ISPs are in Abuja representing 22%, South-South had 9 representing 7.6% while other South-West States, South-East and North-west had 4 each representing 3.4% respectively. North-East and other North-Central states had the least with 2 (1.7%) and 1 (0.8%) correspondent.

2f. Number of Subscribers by Internet Speed:

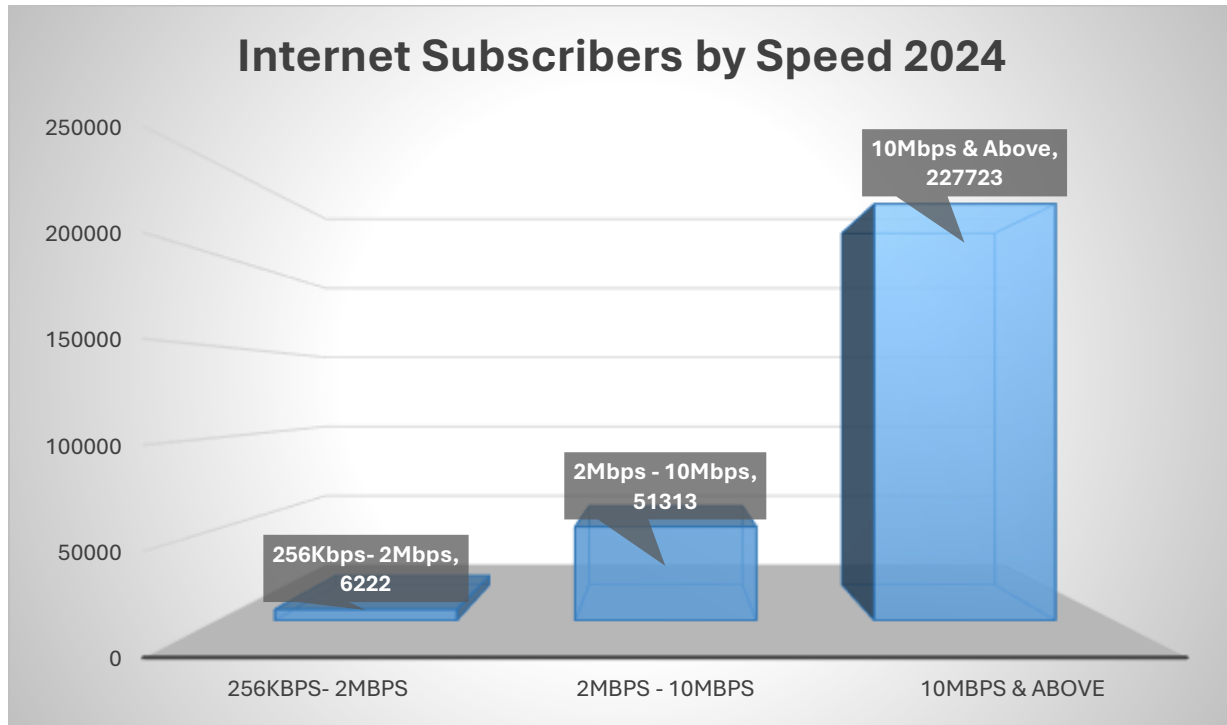


Figure 30: Speed of Internet as delivered to subscribers 2024

As at December 2024, out of **285,605** ISPs subscribers, **6,222** subscribed to speeds between **256Kbps-2Mbps**, representing **2%** of the total subscriber base; **51,313** subscribed between **2–10Mbps**, representing **18%** of the total subscriber base; while **227,723** subscribers in the **10mbps & above** category, accounting for **80%** of the total.

This indicates that more subscribers are subscribing to higher Internet Speeds which projects the trend for rising demand for high-speed broadband, driven by data-heavy applications such as video streaming, social media, applications that support virtual reality amongst others indicating a maturing digital landscape with higher user expectations across Nigeria.

3. **FINANCIAL DATA:**

3a. Revenue: As at December 2024, a total sum of ₦165,690,191,444.41 was generated by ISP licensees as revenue, representing 84.5% increase from the ₦89,806,249,295.90 reported in 2023.

3b. Operating Cost: Similarly, the total operating cost for the ISPs increased from ₦96,808,672,141.58 in 2023 to ₦196,331,940,965.34 in 2024. This indicates an increase of 102.8% in the total operating costs within the period reviewed. The high increase can be attributed to the high energy costs that has impacted the cost of operations.

3c. CAPEX- Local Investments in the segment: The total CAPEX reported in the ISP market as at December 2024 was ₦13,827,832,977.26.

4. **STAFF PROFILE:**

As at December 2024, the number of staff of ISPs decreased from 5,589 to 5,473 recorded in 2024. This indicates a decrease of 2.1% in the work force. There was a total of 4,162 male and 1,311 female staff.

(Please see attached the Appendices, Table 10 for staff profile data)

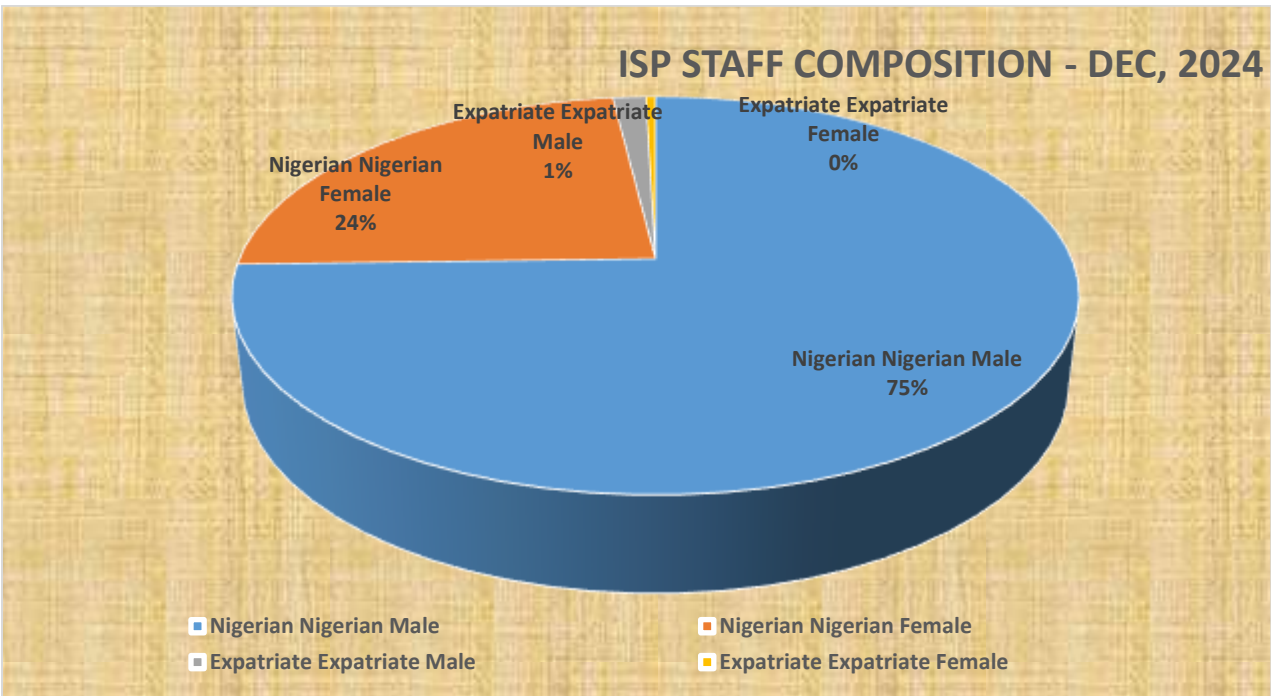


Figure 31: Fixed Operators Staff Count as at December 2024

5. SUMMARY OF ISP MARKET SEGMENT AS AT DECEMBER 2024

1. **Active Internet Subscriptions:** Subscriptions increased to 285,605 in December 2024 from 262,206 subscriptions recorded in December 2023, indicating an increase of 8.9% in the total active subscriptions. The increase recorded in this segment was due to the addition of clients by some ISPs during this period.
2. **Fixed Wired Internet Subscriptions:** Active subscriptions recorded 71,272 subscriptions in December 2024 from 44,565 subscriptions in December 2023 indicating an increase of 59.9%. The increase recorded in this segment was due to the addition of clients by some ISPs during this period.
3. **Fixed Wireless Internet Subscription:** Active subscriptions decreased from 217,641 as at December 2023 to 214,333 in December 2024 indicating a decrease of 1.5%.
4. **Point of Presence (PoPs):** The PoP within the period increased to **2,467** as at December 2024 from **2,377** PoPs recorded in December 2023. Spectranet had the highest number of PoPs with **645**, indicating **26%** of the PoPs. This indicates that the ISPs are closing the digital divide in the Country.
5. **Active Internet Subscribers per Region:** South-West region had the highest number of Internet users in December 2024 with 185,475 **subscribers indicating 65%** of the total subscriptions, while the other Five (5) regions had a combined total of **100,130** users representing **35%** of total subscriptions.
6. **Staff Profile:** Total number of workforces decreased from **5,589** in December 2023 to **5,473** in December 2024, this indicates a decrease of **2.1%** in the workforce of the Internet Service Providers. The decline recorded in this segment was attributed to reported cases of labor migration.

CHAPTER FIVE
ANALYSIS OF 2024 YEAR END SUBSCRIBER / NETWORK DATA–
(COLLOCATION AND INFRASTRUCTURE SHARING LICENSEES)

INTRODUCTION:

The Commission received submissions from Licensees for the 2024 Year End Subscriber/Network Data for Operators that provided services in the Collocation and Infrastructure Sharing Market Segment.

These Operators provide telecommunication operations with Collocation and Infrastructure across the Thirty-Six (36) States of Nigeria.

1. INFRASTRUCTURE DEPLOYMENT (MAST AND TOWERS):

1a. Number of Towers: As at December 2024 the Count of Total Towers in the Industry was 39,880 Towers. *(Please see Appendix H for more details on Towers)*

1b. Market Share of Collocation & Infrastructure Sharing Licensee: As at December 2024 the total Market share of the Collocation and Infrastructure Sharing Licensees indicates that IHS (Nigeria) Limited has 47% of the Market share. Figure 28 below is an illustration of the Market share of ownership, with Seven (7) service providers featuring in the ownership chart.

The Collocation and Infrastructure Sharing Market (TowerCo) owns about 30,597 and MNOs with 9,283.

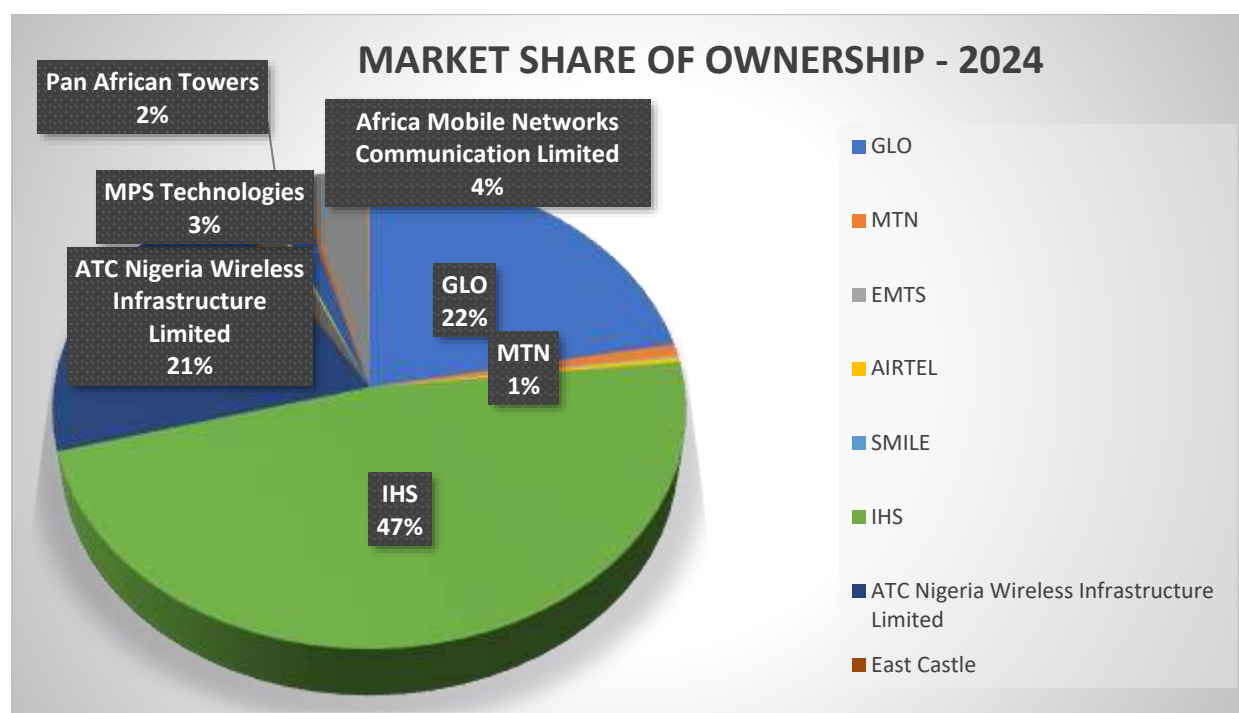


Figure 32: Market Share of Collocation & Infrastructure Sharing Licensee – December 2024

2. FINANCIAL DATA:

2a. Revenue: The Operators in this market segment as at December 2024 recorded an approximate total revenue of **₦2,049,886,255,131.59** against **₦1,144,647,323,946.63** recorded in Year 2023. This reflects an increase of 79.1% of total Revenue from the Collocation & Infrastructure Sharing Licensees.

2b. Operating Cost: Similarly, the total Operating Cost for the Operators increased from **₦457,434,555,744.08** in Year 2023 to **₦961,945,491,396.28** at the end of Year 2024. This illustrates an increase of **110.29%** within the period reviewed.

2c. CAPEX- Local Investments in the segment: The total Revenue as at December 2024 the Collocation & Infrastructure Sharing Licensees was **₦174,457,239,010.90**.

3. STAFF PROFILE:

As at December 2024 the total staff strength of Collocation and Infrastructure Sharing Operator Category stood at **1,751** staff.

In record, Nigerian staff were **1,712** comprising of **1,313** Male staff and **399** Female staff while Expatriate staff was **39** with **35** Male and **4** Female.

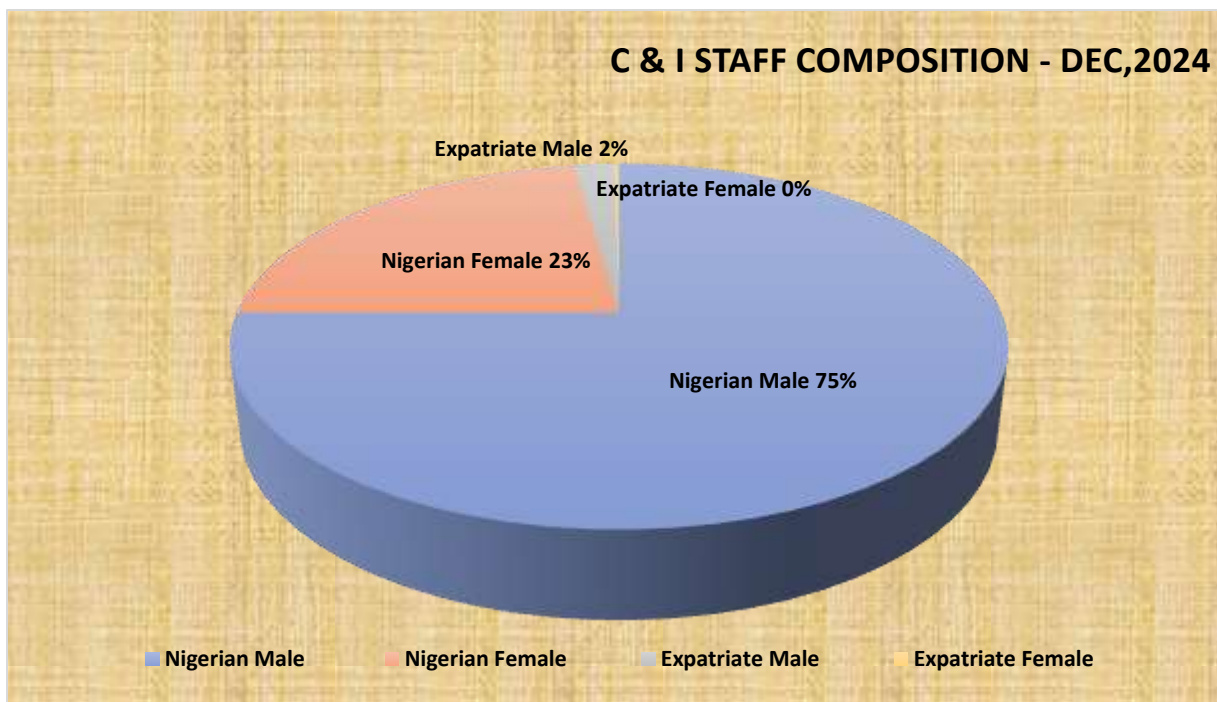


Figure 33: Fixed Operators Staff Count as at December 2024

CHAPTER SIX

ANALYSIS OF 2024 YEAR END SUBSCRIBER / NETWORK DATA FOR VALUE ADDED SERVICE (VAS) MARKET SEGMENT

1. INTRODUCTION:

The Value-Added Service Market Segment consists of Licensees providing auxiliary telecom services such as Aggregators, Content Services Using Short Code Numbers, Mobile, Electricity Service, Unstructured Supplementary Service (USSD), SMS Service, Mobile Banking, Enterprise Bulk Messaging, Transactional Service, Electronic Airtime Distribution, Call Ring Back Tone/Entertainment, and Special Numbering.

These Licensees provide telecommunications services across the thirty-six (36) States of Nigeria. Forty-seven (47) Licensees submitted their Network/Subscriber Information, and they are listed below:

1. Nitroswitch Limited
2. Mindray Technologies, Limited
3. Vdl Technologies Limited
4. Compatel Nigeria Limited
5. Digital Virgo Nigeria Limited
6. Comviva Technologies Nigeria Limited
7. Technotrend Platforms Nigeria Limited
8. Castek Cloud Limited
9. Kadick Integrated Limited
10. Adnol Multimedia Limited
11. 247 Comcare Limited
12. Emt Networks Limited
13. Interconnect Clearinghouse Nigeria Limited
14. Payvantage Limited
15. Information Secure Limited
16. Cedarview Communications Limited
17. Interra Networks Limited
18. Telcovas Solutions & Services Limited
19. Alvoice Solutions Limited
20. Tpay Telecom Services Limited
21. Simteckcard Plant Limited
22. Avanzar Technologies Limited
23. Vas2nets Technologies Limited
24. Avetium Consult Limited
25. Thevar Projects & Telecoms Limited

26. Martad Education & Skills Development Limited
27. Mkel Networks Limited
28. Clairvoyant Business Option Limited
29. Cowrie Integrated Systems Limited
30. Exturi Integrated Solutions Limited
31. Nipol Telecoms Limited (Formerly Nipol Mega Empire Limited)
32. Telko Managed Services Limited
33. Rockymobi Information Technology Compamy Limited
34. Yellowdot Africa Nigeria Limited
35. Vector Telecom Services Limited
36. Klass Security Consult Limited
37. Vascom Telecommunications Limited
38. Tetragrammaton International Limited
39. Dafric Global Resources Limited
40. MSR Innovations Nigeria Limited
41. Wolid International Services Limited
42. Mobile Intelligence Limited
43. Tavishil Digital Solutions Limited
44. Baudit Limited
45. Mobility Arts Nigeria Limited
46. I-Grow Gate World Limited
47. Holla Tags Limited

2. NETWORK STATISTICS:

Based on the available data, the total number of Active Subscriptions to the various Value-Added Services (VAS) by the end of year 2024 stood at Thirteen Million, Five Hundred and Fifty-Nine Thousand, Two Hundred and Sixty-Six subscribers **(13,559,266)** subscribers, signifying a **25.02%** increase from Ten Million, Eight Hundred and Forty-Five Thousand, One Hundred and Thirty-Four **(10,845,134)**.

NETWORK STATISTICS BASED ON THE NUMBER OF SUBSCRIPTIONS 2023 & 2024	
YEAR	ACTIVE SUBSCRIPTIONS
2023	10,845,134
2024	13,559,266
Percentage Change	25.02%

Table 29: Active Subscriptions 2023 – 2024

3. FINANCIAL DATA:

3a. Revenue: The Operators in this market segment as at December 2024 recorded an approximate total revenue of **₦83,099,311,721** against **₦14,559,978,522.80** recorded in Year 2023. This reflects an increase of **470.74 %** of total Revenue from the Value-Added Service Licensees.

3b. Operating Cost: Similarly, the total Operating Cost for these Operators increased from **₦53,631,109,506.94** in Year 2023 to **₦79,961,941,942** at the end of Year 2024. This illustrates an increase of **49.1%** within the period reviewed.

3c. CAPEX- Local Investments in the segment: The total Revenue as at December 2024 the VAS Licensees was **₦2,757,164,586.00**

4. STAFF PROFILE:

As of December 2024, the total staff strength of VAS market segment stood at **713** staff. Nigerian staff were 703 comprising of 440 Male and 263 Female while the Expatriate staff base reported 8 Male and 2 Female within the reporting period.

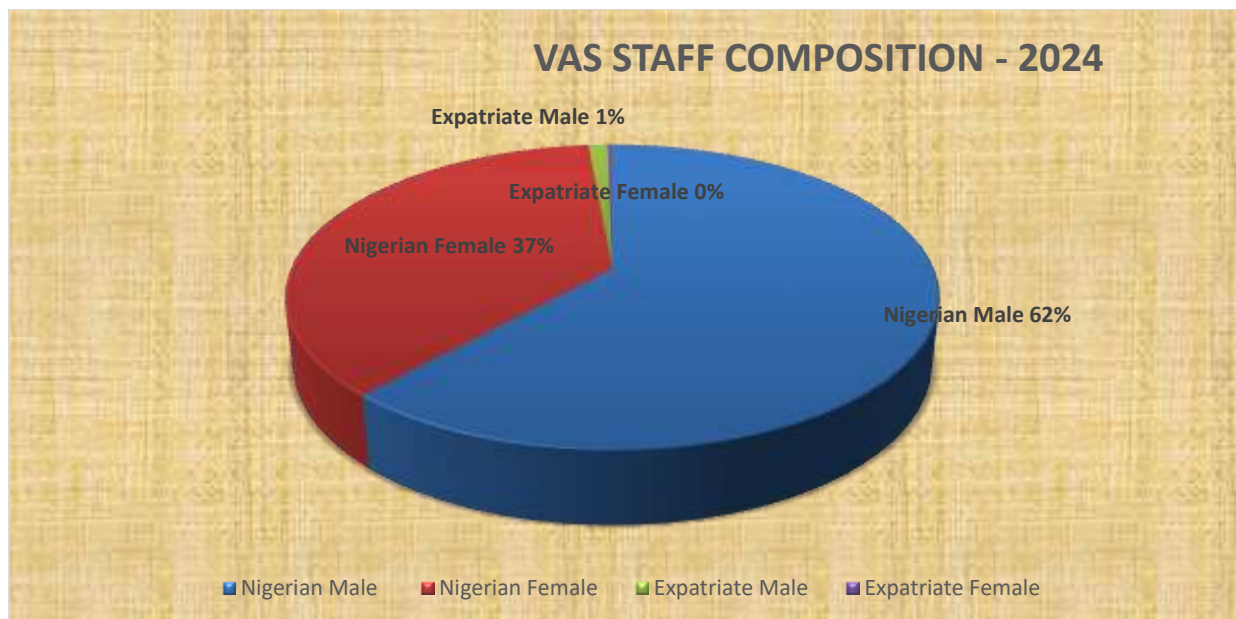


Figure 34: VAS providers Staff Count as at December 2024

CHAPTER SEVEN

ANALYSIS OF 2024 YEAR END SUBSCRIBER / NETWORK DATA FOR OTHER OPERATORS

1. INTRODUCTION:

These “Other Operators” referred to in the report provide auxiliary telecom services such as Long-Distance Service Operators, Automated Vehicle Tracking services Interconnect Exchange, Metropolitan Fiber License Operators, International Data Access, Sales & Installation. These licensees also provide telecommunications services across the thirty-six (36) States of the Country.

2. INFRASTRUCTURE DEPLOYMENT:

1. Long Distance Cable Network (km);

As at December 2024 the total Long-Distance cable deployed by Operators in this category remained unchanged from December 2023 figures totaling 18,711km. A summary of this breakdown is seen below.

- i. Interconnect Clearing House Limited recorded 3,526km,
- ii. Telko Managed Services Limited recorded 1,185km.
- iii. Inq. Digital Nigeria (Vodacom Business Africa Limited) recorded 14,000km

2. Number of Trunks in use (E1):

The total number of E1 in use by Operators as at the end of Year 2024 was 20,294 reported by Operators.

3. Number of Gateways:

The total Number of Gateways in use as at year 2024 based on submissions by service providers in this category was 24.

- i. Interconnect Clearing House Nigeria Limited reported 21.
- ii. Solid Interconnectivity Services Limited – 2.
- iii. Telko Managed Services Limited – 1.

4. Subscriber Data:

The Subscriber Data for Operators in this market segment indicate varying Subscriber Matrix due to the different Service offerings and licenses held by each of the Operator. Hence, the basis of analysis is unique for each licensed Operator.

3. FINANCIAL DATA

3a. Revenue: The total revenue generated by Other Licensees in Year 2024 stood at the sum of Forty-Nine Billion, Two Hundred and Eighty-Three Million, Three Hundred and Thirty-Six Thousand, Five and Sixty-Four Naira, Seven Kobo. (~~₦~~49,283,336,564.07)

3b. Operating Cost: The total **Operating cost** incurred by the Licensees as at the end of December 2024 was Forty-Seven Billion, Eight Hundred and Eleven Million, Three Hundred and Eighty-Five Thousand, Two Hundred and Ninety-Four Naira, Thirty-Nine Kobo (~~₦~~ 47,811,385,294.39)

3c. CAPEX- Local Investments in the segment: The Domestic Investment (CAPEX) reported was Two Billion One Hundred and Thirty-Six Million, Nine Hundred and Eighty-One Thousand, Eight Hundred and Twenty Naira. (~~₦~~2,136,981,820) as at end of Year 2024.

4. STAFF PROFILE:

As at December 2024 the total staff strength of Other Operator's market segment stood at **2,632** staff. In record, Nigerian staff were **2,496** comprising of **2,094** Male and **402** Female while the Expatriate staff base reported **105** Male and **31** Female.

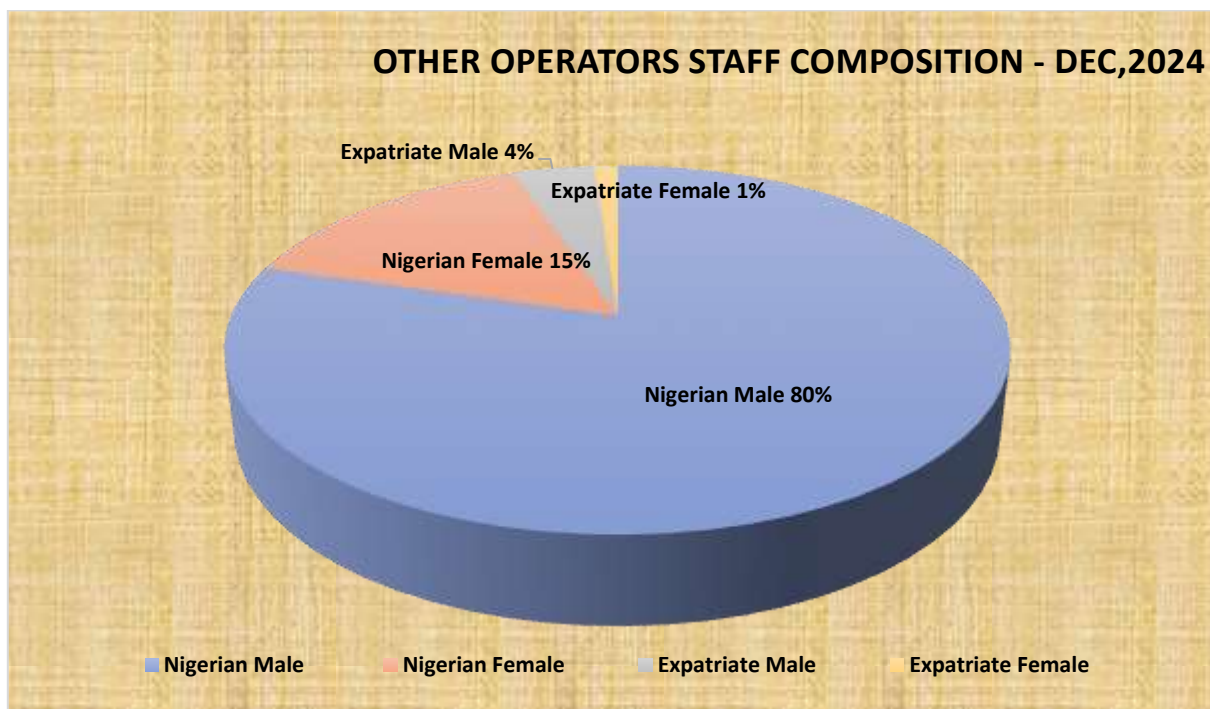


Figure 35: Other Segments Operators Staff Count as at December 2024

2024 YEAR END PERFORMANCE REPORT APPENDICES

APPENDIX A

Table 30: Points of Presence in 2024 (PoPs)

S/N	Operator	Number of Points of Presence (POP)
1	5M Telecom Ltd	14
2	8te Unique Global Telecommunication Ltd	3
3	Access and Content Ltd	2
4	AFR-IX Data Communications Ltd	6
5	Arif Investment Nigeria Ltd	1
6	Astramix Ltd	1
7	Backbone Connectivity Network Nigeria Ltd	2
8	Bat Computer Technologies Ltd	11
9	BrainShare Ltd	24
10	Broadbased Communication Ltd	27
11	Browsepoint Telecom Nig Ltd	4
12	CBC EMEA Ltd	1
13	Chapman Computer Ltd	5
14	CITCC Nigeria Ltd	1
15	Ciudad Infrastructure Ltd	45
16	Cleveland Technologies Ltd	1
17	Cobranet Ltd	78
18	Cobweb Communication Ltd	2
19	Connect Focus Technologies Ltd	3
20	Content Oasis Ltd	1
21	Coquina Software Company Ltd	14
22	Coscharis Technologies Ltd	1
23	Coverage Broadband Ltd	1
24	COZ Internet Ltd	1
25	Cyberspace Network Ltd	132
26	Datastruct Technologies Ltd	3
27	Dimension Data Ltd (formerly IS Internet Solutions)	33
28	Disc Media & Telecom Ltd	1
29	Dotmac Technologies Ltd	29
30	Drausnet Ltd	5
31	Edo Telecom Ltd	1
32	Ekovolt Telco Ltd	11
33	Electronic Connections Ltd	1
34	eStream Networks Ltd	20
35	Excelsimo Networks Ltd	4

36	Fastfeet Ltd	7
37	FiberOne Broadband Ltd	12
38	Fibrehub Internetworking Ltd	1
39	Futurecom Ltd	1
40	Galaxy Backbone Ltd	151
41	Gifra Wireless Network Ltd	5
42	GUTTI Global Solutions Ltd	2
43	Henag Company Ltd	1
44	Hoop Telecoms Ltd	8
45	Houston Wireless Ltd	1
46	Hyperia Ltd	4
47	IDS Africa Ltd	3
48	Imbil Telecom Solutions Nig Ltd	3
49	I-Net World Ltd	5
50	Information Conectivity Solutions Ltd (ICSL)	27
51	Infratel Ltd	10
52	Inq. Digital Nigeria Ltd (formerly Vodacom)	91
53	Internet Solutions Nigeria Ltd	27
54	Internetsional Tech. Ltd	13
55	Interra Networks Ltd	1
56	Interweb Satcom Ltd	9
57	IOtech Global Hub Ltd	6
58	IP Express Ltd	38
59	IP2AIR Networks Ltd	26
60	ipNX Nigeria Ltd	54
61	IPPlus Nigeria Ltd	1
62	ITX Telecoms Ltd	4
63	I-World Networks Ltd	2
64	Juniper Solutions Ltd	6
65	Kajab Ebg Services Ltd (FALCONET)	5
66	KKON Technologies Ltd	
67	Layer3 Ltd	2
68	Liquid Interligent Technologies Ltd	10
69	Luli Fibra Cables Solution Ltd	6
70	Main One Cable Company Nigeria Ltd	39
71	MegaMore Wireless Broadband Ltd	9
72	Multi Dimensions Technology Ltd	1
73	NanoCom International Ltd	15
74	NetAccess Systems Ltd	9
75	Netfinity Ltd	25
76	Ngcom Ltd	15
77	Nilimage Two4seven Ltd	5

78	Nkponani Ltd	1
79	Odua Telecoms Ltd	2
80	Orange Business Communications Services Nigeria Ltd	2
81	Paribas Communications Ltd	2
82	Pear System Development Company Ltd	5
83	Phase 3 Telecom Ltd	29
84	Platinum Index Data Comm. Ltd	16
85	Priority Communication Ltd	0
86	Proline Technologies Ltd	30
87	Radical Technology Network Ltd	6
88	Realife Telecommunications Ltd	2
89	Sea Net Technologies Nigeria Ltd	1
90	Sentient Networks Ltd	48
91	Simbanet Nigeria Ltd	5
92	Skymax Integrated Network Ltd	12
93	Skysenx Wireless Networks Ltd	8
94	Smart City Technology Company Ltd	3
95	Spectranet Ltd	643
96	Starlink Internet Services Nigeria Ltd	1
97	STL Fiberco Ltd	2
98	Suburban Broadband Ltd	6
99	Surfspot Communications Ltd	1
100	SWIFTTALK Ltd	183
101	Syscodes Communication Ltd	34
102	Taprap Nig Ltd	8
103	Tecpoint Global Solutions Ltd	6
104	Tehilah Base Digital Ltd	1
105	Tel Cables Nigeria Ltd	1
106	Telequip & Digital Ltd	1
107	Teleweb Services Ltd	1
108	Telserve Networks Ltd	4
109	Tizeti Network Ltd	148
110	Trakatel Ltd	5
111	Trefoil Networks Ltd	1
112	Triple Logic Telecommunication Ltd	9
113	VDT Communications Ltd	56
114	Vobiss Gridworx Nig Ltd	1
115	Wavetek Nigeria Ltd	
116	Winrock Nigeria Ltd	24
117	WirelessNg International Ltd (Alfa O & O)	9
118	Zeta Web Ltd	1

	TOTAL	2,467
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APPENDIX B

Table 31: Distribution of Operators with corresponding Bandwidth Capacity.

S/N	Operator	Bandwidth Capacity
1	5M Telecom Ltd	13,700 Mbps
2	8ight Unique Global Telecommunication Ltd	10,000 Mbps
3	Access and Content Ltd	1000 Mbps
4	AFR-IX Data Communications Ltd	3.320 Mbps
5	Arif Investment Nig Ltd	200,000 Mbps
6	Astramix Ltd	20 Mbps
7	Backbone Connectivity Network Ltd	7,000 Mbps
8	Bat Computer Technologies Ltd	465 Mbps
9	Brainshare Technologies & Services Nig Ltd	1000 Mbps
10	Broadbased Communication Ltd	20,000 Mbps
11	Browsepoint Telecom Nig Ltd	1655 Mbps
12	CBC Emea Ltd	515 Mbps
13	Chapman Computers Nigeria Ltd	80,000 Mbps
14	CITCC Nigeria Ltd	30 Mbps
15	Ciudad Infrastructure Ltd	19,500 Mbps
16	Cleveland Technology Ltd	155 Mbps
17	Cobranet Ltd	170,000 Mbps
18	Cobweb Communication Ltd	200 Mbps
19	Connect Focus Technologies Ltd	1000 Mbps
20	Content Oasis Ltd	30 Mbps
21	Coquina Software Company Ltd	1955 Mbps
22	Coscharis Technologies Ltd	300 Mbps
23	Coverage Broadband Ltd	30 Mbps
24	Coz Internet Ltd	465 Mbps
25	Cyberspace Ltd	35,000 Mbps
26	Datastruct Technologies Ltd	200 Mbps
27	Dimension Data Ltd	16,384 Mbps
28	Disc Media & Telecom Ltd	5 Mbps
29	Dotmac Technologies Ltd	6,000 Mbps
30	Drausnet Ltd	480 Mbps

31	Edo Telecom Ltd	20 Mbps
32	Ekovolt Telco Ltd	400 Mbps
33	Electronic Connections Ltd	155 Mbps
34	eStreamNetworks Ltd	3,000 Mbps
35	Excelsimo Networks Ltd	10,000 Mbps
36	Fastfeet Ltd	430 Mbps
37	FiberOne Broadband Ltd	100,000 Mbps
38	Fibrehub Internetworking Services Ltd	1,000 Mbps
39	Futurecom Ltd	100 Mbps
40	Galaxy Backbone Ltd	200,000 Mbps
41	GIFRA Wireless Network Ltd	500 Mbps
42	Gutti Global Solutions Ltd	155 Mbps
43	Henag Company Ltd	492 Mbps
44	Hoop Telecoms Ltd	10,000 Mbps
45	Houston Wireless Ltd	300 Mbps
46	Hyperia Ltd	4,900 Mbps
47	IDS Africa Ltd	200 Mbps
48	Imbil Telecom Solutions Ltd	1000 Mbps
49	I-Net World Ltd	155 Mbps
50	Information connectivity solutions Ltd (ICSL)	1,620 Mbps
51	Infratel Ltd	100 Mbps
52	Inq. Digital Nigeria Ltd (formerly Vodacom	15,728,640 Mbps
53	Internet Solutions Nigeria Ltd	1,240 Mbps
54	Internetsional Technologies Ltd	945 Mbps
55	Interra Network Ltd	155 Mbps
56	Interweb Satcom Ltd	200 Mbps
57	Iotech Global Hub Ltd	3 STM
58	IP Express Ltd	7,000 Mbps
59	IP2AIR Networks Ltd	1024 Mbps
60	IPNX Nigeria Ltd	55,000 Mbps
61	IPPlus Nigeria Ltd	70 Mbps
62	ITX Telecoms Ltd	310 Mbps

63	I-World Networks Ltd	5,000 Mbps
64	Juniper solutions Ltd	1,000 Mbps
65	Kajab Engineering Services Ltd	1258 Mbps
66	KKON Technologies Ltd	466.56 Mbps
67	Layer3	7,000 Mbps
68	Liquid Intelligent Technology Ltd	1, 000,000 Mbps
69	Luli Fibra Cables Solution Ltd	10,000 Mbps
70	Main One Cable Company Nigeria Ltd	686,100 Mbps
71	Megamore Wireless Broadband Ltd	2,531 Mbps
72	Multi Dimensions Technology Nig Ltd	300 Mbps
73	Nanocom International Ltd	200 Mbps
74	NetAccess Systems Ltd	1,500 Mbps
75	Netfinity Ltd	8,000 Mbps
76	Ngcom Ltd	17,000 Mbps
77	Nilmage two4seven Ltd	310 Mbps
78	Nkponani Ltd	1000 Mbps
79	Odua Telecoms Ltd	260 Mbps
80	Orange Business Communications Ltd	4000 Mbps
81	Paribas Communications Ltd	150 Mbps
82	Pear System Development Company	465 Mbps
83	Phase 3 Telecom Ltd	5,000 Mbps
84	Platinum Index Data Comm Ltd	1,000 Mbps
85	Priority Communications Ltd	2 Mbps
86	Proline Technology Ltd	1,000 Mbps
87	Radical Technology Network Ltd	2,500 Mbps
88	Realife Telecommunications Ltd	100 Mbps
89	Sea Net Technologies Nigeria Ltd	Nil
90	Sentient Networks Ltd	350 Mbps
91	Simbanet Nigeria Ltd	1,800 Mbps
92	Skymax Integrated Network Ltd	1,000 Mbps
93	Skysenx Wireless Networks Ltd	2000 Mbps
94	Smart City Technology Company Ltd	12,000 Mbps

95	Spectranet Ltd	55,610 Mbps
96	Starlink Internet Services Nigeria Ltd	Nil
97	STL Fiberco Ltd	1,000 Mbps
98	Suburban Broadband Ltd	20,000 Mbps
99	Surfspot Communications Ltd	155 Mbps
100	Swifttalk Ltd	155 Mbps
101	Syscodes Communications Ltd	1,000 Mbps
102	Taprap Nigeria Ltd	300 Mbps
103	Tecpoint Global Solutions Ltd	1,800 Mbps
104	Tehilah Base Digital Ltd	420 Mbps
105	Tel Cables Nigeria Ltd	20,000 Mbps
106	Telequip & Digital Ltd	100,000 Mbps
107	Teleweb Services Ltd	600 Mbps
108	Telserve Networks Ltd	360 Mbps
109	Tizeti Ltd	50,000 Mbps
110	Trakatel Ltd	300 Mbps
111	Trefoil Ltd	50 Mbps
112	Triple Logic Telecommunication Ltd	70 Mbps
113	VDT Communications Ltd	31,241 Mbps
114	Vobiss Gridworx Nig Ltd	400 Mbps
115	Wavetek Nig. Ltd	155 Mbps
116	Winrock Nigeria Ltd	5,000 Mbps
117	WirelessNg International Ltd (Alfa O & O)	4500 Mbps
118	Zeta-web Ltd	550 Mbps

APPENDIX C:

Table 32: Access Advertised Speed(s) Being Offered

S/N	Operator	Access Speed(s) Being Offered
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1.	5M Telecom Ltd	1-10 Mbps
2.	8ight Unique Global Telecommunication Ltd	10 Mbps
3.	Access and Content Ltd	20 Mbps
4.	AFR-IX Data Communications Ltd	221 Mbps
5.	Astramix Ltd	10 Mbps
6.	Backbone Connectivity Network Ltd	36.61 Mbps
7.	Bat Computer Technologies Ltd	5 Mbps
8.	Brainshare Technologies & Services Nig Ltd	50 Mbps
9.	Broadbased Communication Ltd	1000 Mbps
10.	Browsepoint Telecom Nig Ltd	100 Mbps
11.	CBC Emea	10 Mbps
12.	Chapman Computers Nigeria Ltd	100 Mbps
13.	CITCC Nigeria Ltd	24 Mbps
14.	Ciudad Infrastructure Ltd	20-100 Mbps
15.	Cleveland Technology Ltd	10 Mbps
16.	Cobranet Ltd	1-250 Mbps
17.	Cobweb Communication Ltd	5 Mbps
18.	Connect Focus Technologies Ltd	10 Mbps
19.	Content Oasis Ltd	10 Mbps
20.	Coquina Software Company Ltd	40 Mbps
21.	Coscharis Technologies Ltd	10 Mbps
22.	Coverage Broadband Ltd	15 Mbps
23.	Coz Internet Ltd	1 Mbps
24.	Cyberspace Ltd	2 - 155 Mbps
25.	Datastruct Technologies Ltd	6 Mbps
26.	Dimension Data Ltd	10.47 Mbps
27.	Disc Media & Telecom Ltd	5 Mbps
28.	Dotmac Technologies Ltd	6 Mbps
29.	Drausnet Ltd	10 Mbps
30.	Edo Telecom Ltd	2 Mbps
31.	Ekovolt Telco Ltd	2Mbps - 40 Mbps

32.	Electronic Connections Ltd	1 - 10 Mbps
33.	eStreamNetworks Ltd	25 Mbps
34.	FiberOne Broadband Ltd	15 Mbps
35.	Fibrehub Internetworking Services Ltd	1,000 Mbps
36.	Futurecom Ltd	1 - 10 Mbps
37.	Galaxy Backbone Ltd	1 Mbps - 1,000 Mbps
38.	Gifra Wireless Network Ltd	12 Mbps
39.	Gutti Global Solutions Ltd	155 Mbps
40.	Henag Company Ltd	11.75 Mbps
41.	Hoop Telecoms Ltd	5 Mbps
42.	Houston Wireless Ltd	40 Mbps
43.	Hyperia Ltd	10 Mbps
44.	IDS Africa Ltd	10-25 Mbps
45.	Imbil Telecom Solutions Ltd	5 Mbps
46.	I-Net World Ltd	3 Mbps
47.	Information connectivity solutions Ltd (ICSL)	47 Mbps
48.	Infratel Ltd	10 Mbps
49.	Inq. Digital Nigeria Ltd (formerly Vodacom	1.8 Mbps
50.	Internet Solutions Nig Ltd	10 Mbps
51.	Internetsional Technologies Ltd	250 Mbps
52.	Interra Network Ltd	1.5 Mbps
53.	Interweb Satcom Ltd	150 Mbps
54.	IP Express Ltd	25 Mbps
55.	IP2AIR Networks Ltd	26 Mbps
56.	IPNX Nigeria Ltd	10 - 1000 Mbps
57.	IPPlus Nigeria Ltd	5 Mbps
58.	ITX Telecoms Ltd	9 Mbps
59.	I-World Networks Ltd	11 Mbps
60.	Juniper Solutions Ltd	5 Mbps - 10 Mbps
61.	Kajab Engineering Services Ltd	3 - 15 Mbps
62.	Layer3 Ltd	30 Mbps

63.	Liquid Intelligent Technology Ltd	- Mbps
64.	Luli Fibra Cables Solution Ltd	50 Mbps
65.	Main One Cable Company Nigeria Ltd	100 Mbps
66.	Megamore Wireless Broadband Ltd	20 Mbps
67.	Multi Dimensions Technology Nig Ltd	30 Mbps
68.	Nanocom International Ltd	4 Mbps
69.	NetAccess Systems Ltd	10 Mbps
70.	Netfinity Ltd	5 Mbps
71.	Ngcom Ltd	15 Mbps
72.	Nilimage two4seven Ltd	5 Mbps
73.	Nkponani Ltd	100 Mbps
74.	Odua Telecoms Ltd	250 Mbps
75.	Orange Business Communications Ltd	48.78
76.	Paribas Communications Ltd	10 Mbps
77.	Pear System Development Company Ltd	5 Mbps
78.	Phase 3 Telecom Ltd	25 Mbps
79.	Priority Communications Ltd	2 Mbps
80.	Proline Technology Ltd	3 - 100 Mbps
81.	Radical Technology Network Ltd	5 Mbps
82.	Realife Telecommunications Ltd	6 Mbps
83.	Sentient Networks Ltd	2 Mbps
84.	Simbanet Nigeria Ltd	23 Mbps
85.	Skymax Integrated Network Ltd	16 Mbps
86.	Skysenx Wireless Networks Ltd	1.9 Mbps
87.	Smart City Technology Company Ltd	55 Mbps
88.	Spectranet Ltd	10 Mbps
89.	Starlink Internet Services Nigeria Ltd	16 - 110 Mbps
90.	STL Fiberco Ltd	3 Mbps
91.	Suburban Broadband Ltd	2 - 1,000 Mbps
92.	Surfspot Communications Ltd	6.75 Mbps
93.	Swifttalk Ltd	512 Kbps - 155 Mbps

94.	Syscodes Communications Ltd	5 Mbps
95.	Taprap Nigeria Ltd	8 Mbps
96.	Tecpoint Global Solutions Ltd	10 Mbps
97.	Tehilah Base Digital Ltd	2 - 10 Mbps
98.	Telequip & Digital Ltd	2.04 - 10 Mbps
99.	Teleweb Services Ltd	12 Mbps
100.	Telserve Networks Ltd	3.56 Mbps
101.	Tizeti Ltd	2 - 5 Mbps
102.	Trakatel Ltd	1 - 10 Mbps
103.	Trefoil Ltd	2 Mbps
104.	Triple Logic Telecommunication Ltd	15 Mbps
105.	VDT Communications Ltd	512 Kbps - 155 Mbps
106.	Vobiss Gridworx Nig Ltd	10 Mbps
107.	Wavetek Nig. Ltd	90 Mbps
108.	Winrock Nigeria Ltd	1-155 Mbps
109.	WirelessNg International Ltd (Alfa O & O)	1 - 15 Mbps
110.	Zeta-web Nigeria Ltd	500 Kbps - 16 Mbps

APPENDIX D

Table 33: Total Active Subscriptions

S/N	Operator	2023	2024
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1	5M Telecom Ltd	347	347
2	8ight Unique Global Telecommunication Ltd	15	15
3	Access and Content Ltd	23	24
4	AFR-IX Data Communications Ltd	7	15
5	Arif Investment Nig Ltd	48	48
6	Astramix Ltd	-	5
7	Backbone Connectivity Network Ltd	388	471
8	Bat Computer Technologies Ltd	90	111
9	Brainshare Technologies & Services Nig Ltd	706	523
10	Broadbased Communication Ltd	7,073	9,223
11	Browsepoint Telecom Nig Ltd	76	120
12	CBC Emea	100	65
13	Chapman Computers Nigeria Ltd	38	38
14	CITCC Nigeria Ltd	1	1
15	Ciudad Infrastructure Ltd	754	1218
16	Cleveland Technology Ltd	43	48
17	Cobranet Ltd	3,273	3149
18	Cobweb Communication Ltd	24	18
19	Connect Focus Technologies Ltd	-	1
20	Content Oasis Ltd	17	15
21	Coquina Software Company Ltd	142	342
22	Coscharis Technologies Ltd	33	35
23	Coverage Broadband Ltd	2	2
24	Coz Internet Ltd	135	135
25	Cyberspace Ltd	3,935	3,940
26	Datastruct Technologies Ltd	35	40
27	Dimension Data Ltd	741	695
28	Disc Media & Telecom Ltd	6	6
29	Dotmac Technologies Ltd	1,898	1,830
30	Drausnet Ltd	36	36
31	Edo Telecom Ltd	2	2

32	Ekovolt Telco Ltd	180	180
33	Electronic Connections Ltd	76	76
34	eStreamNetworks Ltd	601	675
35	Excelsimo Networks Ltd	247	247
36	Fastfeet Ltd	171	171
37	FiberOne Broadband Ltd	27,000	19,000
38	Fibrehub Internetworking Services Ltd	401	473
39	Futurecom Ltd	20	20
40	Galaxy Backbone Ltd	2,128	2,086
41	Gifra Wireless Network Ltd	46	100
42	Gutti Global Solutions Ltd	11	11
43	Henag Company Ltd	-	40
44	Hoop Telecoms Ltd	1,379	878
45	Houston Wireless Ltd	-	2
46	Hyperia Ltd	1,070	642
47	IDS Africa Ltd	227	327
48	Imbil Telecom Solutions Ltd	65	61
49	I-Net World Ltd	50	80
50	Information connectivity solutions Ltd (ICSL)	422	505
51	Infratel Ltd	-	137
52	Inq. Digital Nigeria Ltd (formerly Vodacom	1,319	1,303
53	Internet Solutions Nig Ltd	741	756
54	Internetsional Technologies Ltd	106	125
55	Interra Network Ltd	1	1
56	Interweb Satcom Ltd	45	45
57	Iotech Global Hub Ltd	80	80
58	IP Express Ltd	1,356	1,460
59	IP2AIR Networks Ltd	180	120
60	IPNX Nigeria Ltd	15,362	16,297
61	IPPlus Nigeria Ltd	-	24
62	ITX Telecoms Ltd	28	280

63	I-World Networks Ltd	1,617	1,977
64	Juniper Solutions Ltd	118	110
65	Kajab Engineering Services Ltd	54	58
66	KKON Technologies Ltd	1,440	-
67	Layer3 Ltd	1,403	1,590
68	Liquid Intelligent Technology Ltd	30	56
69	Luli Fibra Cables Solution Ltd	1,447	2,535
70	Main One Cable Company Nigeria Ltd	1,307	1,414
71	Megamore Wireless Broadband Ltd	265	269
72	Nanocom International Ltd	53	38
73	NetAccess Systems Ltd	103	103
74	Netfinity Ltd	191	195
75	Ngcom Ltd	4,939	6,232
76	Nilimage two4seven Ltd	24	45
77	Nkponani Ltd	11	50
78	Odua Telecoms Ltd	4	4
79	Orange Business Communications Ltd	132	119
80	Paribas Communications Ltd	10	15
81	Pear System Development Company Ltd	85	155
82	Phase 3 Telecom Ltd	245	245
83	Platinum Index Data Comm Ltd	422	455
84	Priority Communications Ltd	1	0
85	Proline Technology Ltd	51	32
86	Radical Technology Network Ltd	3,673	3,600
87	Realife Telecommunications Ltd	-	65
88	Sentient Networks Ltd	-	201
89	Simbanet Nigeria Ltd	137	142
90	Skymax Integrated Network Ltd	587	165
91	Skysenx Wireless Networks Ltd	-	620
92	Smart City Technology Company Ltd	645	912
93	Spectranet Ltd	113,869	102,486

94	Starlink Internet Services Nigeria Ltd	23,897	60,862
95	STL Fiberco Ltd	160	191
96	Suburban Broadband Ltd	3,615	3,615
97	Surfspot Communications Ltd	-	143
98	Swifttalk Ltd	410	227
99	Syscodes Communications Ltd	319	407
100	Taprap Nigeria Ltd	119	148
101	Tecpoint Global Solutions Ltd	45	53
102	Tehilah Base Digital Ltd	332	222
103	Tel Cables Nigeria Ltd	13	13
104	Telequip & Digital Ltd	40	82
105	Teleweb Services Ltd	138	136
106	Telserve Networks Ltd	66	101
107	Tizeti Ltd	19,618	16,173
108	Trakatel Ltd	223	254
109	Trefoil Ltd	1	7
110	Triple Logic Telecommunication Ltd	146	160
111	VDT Communications Ltd	6,310	6,511
112	Vobiss Gridworx Nig Ltd	-	56
113	Wavetek Nig. Ltd	4	-
114	Winrock Nigeria Ltd	249	235
115	WirelessNg International Ltd (Alfa O & O)	-	3,001
116	Zeta-web Nigeria Ltd	338	400
	Total	262,206	285,605

APPENDIX E

Table 34: Active Wired Subscriptions

S/N	Operator	2023	2024
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1.	8ight Unique Global Telecommunication Ltd	2	2
2.	Access and Content Ltd	23	24
3.	AFR-IX Data Communications Ltd	7	15
4.	Arif Investment Nig Ltd	48	48
5.	Astramix Ltd	-	0
6.	Backbone Connectivity Network Ltd	388	471
7.	Bat Computer Technologies Ltd	90	0
8.	Brainshare Technologies & Services Nig Ltd	706	523
9.	Broadbased Communication Ltd	7,073	9,223
10.	Browsepoint Telecom Nigeria Ltd	21	84
11.	Chapman Computers Nigeria Ltd	38	38
12.	Ciudad Infrastructure Ltd	754	1,218
13.	Cleveland Technology Ltd	0	48
14.	Cobranet Ltd	280	358
15.	Connect Focus Technologies Ltd	-	1
16.	Coscharis Technologies Ltd	0	35
17.	Coverage Broadband Ltd	2	2
18.	Cyberspace Ltd	33	33
19.	Dimension Data Ltd	194	149
20.	Disc Media & Telecom Ltd	4	4
21.	Dotmac Technologies Ltd	0	1,830
22.	Drausnet Ltd	36	36
23.	Edo Telecom Ltd	1	2
24.	Excelsimo Networks Ltd	135	135
25.	Fastfeet Ltd	171	171
26.	FiberOne Broadband Ltd	0	19,000
27.	Fibrehub Internetworking Services Ltd	401	473
28.	Galaxy Backbone Ltd	410	440
29.	Gifra Wireless Network Ltd	1	2
30.	Gutti Global Solutions Ltd	11	11
31.	Henag Company Ltd	-	0

32.	Hoop Telecoms Ltd	373	273
33.	Houston Wireless Ltd	-	0
34.	Imbil Telecom Solutions Ltd	65	61
35.	I-Net World Ltd	6	44
36.	Information connectivity solutions Ltd (ICSL)	422	505
37.	Infratel Ltd	-	0
38.	Inq. Digital Nigeria Ltd (formerly Vodacom	203	194
39.	Internet Solutions Nig Ltd	0	0
40.	Internetsional Technologies Ltd	33	41
41.	Interra Network Ltd	-	1
42.	Interweb Satcom Ltd	45	45
43.	Iotech Global Hub Ltd	0	0
44.	IP Express Ltd	318	524
45.	IP2AIR Networks Ltd	-	0
46.	IPNX Nigeria Ltd	14,837	15,804
47.	IPPlus Nigeria Ltd	-	4
48.	ITX Telecoms Ltd	1	12
49.	I-World Networks Ltd	-	0
50.	Juniper Solutions Ltd	15	15
51.	Kajab Engineering Services Ltd	0	2
52.	KKON Technologies Ltd	1,293	-
53.	Layer3 Ltd	1,403	1,590
54.	Liquid Intelligent Technology Ltd	30	56
55.	Luli Fibra Cables Solution Ltd	1,447	2,535
56.	Main One Cable Company Nigeria Ltd	1,307	1,414
57.	Megamore Wireless Broadband Ltd	0	71
58.	Nanocom International Ltd	7	5
59.	NetAccess Systems Ltd	6	6
60.	Netfinity Ltd	65	60
61.	Ngcom Ltd	4,232	5,771
62.	Nilimage two4seven Ltd	24	0

63.	Nkponani Ltd	11	50
64.	Orange Business Communications Ltd	132	119
65.	Paribas Communications Ltd	10	14
66.	Phase 3 Telecom Ltd	245	245
67.	Platinum Index Data Comm Ltd	287	394
68.	Radical Technology Network Ltd	217	205
69.	Realife Telecommunications Ltd	-	15
70.	Skymax Integrated Network Ltd	187	7
71.	Smart City Technology Company Ltd	645	912
72.	Spectranet Ltd	893	1,027
73.	STL Fiberco Ltd	160	191
74.	Suburban Broadband Ltd	3,615	3,615
75.	Swifttalk Ltd	393	0
76.	Syscodes Communications Ltd	4	12
77.	Taprap Nigeria Ltd	119	148
78.	Tecpoint Global Solutions Ltd	20	16
79.	Tehilah Base Digital Ltd	4	0
80.	Tel Cables Nigeria Ltd	13	13
81.	Teleweb Services Ltd	138	136
82.	Telserve Networks Ltd	0	101
83.	Trefoil Ltd	1	5
84.	Triple Logic Telecommunication Ltd	86	70
85.	VDT Communications Ltd	183	210
86.	Vobiss Gridworx Nig Ltd	-	56
87.	Winrock Nigeria Ltd	191	192
88.	Zeta-web Nigeria Ltd	50	110
	Total	44,565	71,272

APPENDIX F

Table 35: Active Wireless Subscriptions

S/N	Operator	2023	2024
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1.	5M Telecom Ltd	347	347
2.	8ight Unique Global Telecommunication Ltd	13	13
3.	Astramix Ltd	-	5
4.	Bat Computer Technologies Ltd	0	111
5.	Browsepoint Telecom Nig Ltd	55	36
6.	CBC Emea	100	65
7.	CITCC Nigeria Ltd	1	1
8.	Cleveland Technology Ltd	43	0
9.	Cobranet Ltd	2,993	2,791
10.	Cobweb Communication Ltd	24	18
11.	Content Oasis Ltd	17	15
12.	Coquina Software Company Ltd	142	342
13.	Coscharis Technologies Ltd	33	0
14.	Coz Internet Ltd	135	135
15.	Cyberspace Ltd	3,902	3,907
16.	Datastruct Technologies Ltd	35	40
17.	Dimension Data Ltd	547	546
18.	Disc Media & Telecom Ltd	2	2
19.	Dotmac Technologies Ltd	1,898	0
20.	Edo Telecom Ltd	1	0
21.	Ekovolt Telco Ltd	180	180
22.	Electronic Connections Ltd	76	76
23.	eStreamNetworks Ltd	601	675
24.	Excelsimo Networks Ltd	112	112
25.	FiberOne Broadband Ltd	27,000	0
26.	Futurecom Ltd	20	20
27.	Galaxy Backbone Ltd	1,718	1,646
28.	Gifra Wireless Network Ltd	45	98
29.	Henag Company Ltd	-	40
30.	Hoop Telecoms Ltd	1,006	605
31.	Houston Wireless Ltd	-	2

32.	Hyperia Ltd	1,070	642
33.	IDS Africa Ltd	227	327
34.	Imbil Telecom Solutions Ltd	0	0
35.	I-Net World Ltd	44	36
36.	Infratel Ltd	-	137
37.	Inq. Digital Nigeria Ltd (formerly Vodacom	1,116	1,109
38.	Internet Solutions Nig Ltd	741	756
39.	Internetsional Technologies Ltd	73	84
40.	Interra Network Ltd	1	0
41.	Iotech Global Hub Ltd	80	80
42.	IP Express Ltd	1,038	936
43.	IP2AIR Networks Ltd	180	120
44.	IPNX Nigeria Ltd	525	493
45.	IPPlus Nigeria Ltd	-	20
46.	ITX Telecoms Ltd	27	268
47.	I-World Networks Ltd	1,617	1,977
48.	Juniper Solutions Ltd	103	95
49.	Kajab Engineering Services Ltd	54	56
50.	KKON Technologies Ltd	147	
51.	Megamore Wireless Broadband Ltd	265	198
52.	Nanocom International Ltd	46	33
53.	NetAccess Systems Ltd	97	97
54.	Netfinity Ltd	126	135
55.	Ngcom Ltd	707	461
56.	Nilimage two4seven Ltd	0	45
57.	Odua Telecoms Ltd	4	4
58.	Paribas Communications Ltd	0	1
59.	Pear System Development Company Ltd	85	155
60.	Platinum Index Data Comm Ltd	135	61
61.	Priority Communications Ltd	1	0
62.	Proline Technology Ltd	51	32

63.	Radical Technology Network Ltd	3,456	3,395
64.	Realife Telecommunications Ltd	-	50
65.	Sentient Networks Ltd	-	201
66.	Simbanet Nigeria Ltd	137	142
67.	Skymax Integrated Network Ltd	400	158
68.	Skysenx Wireless Networks Ltd	-	620
69.	Spectranet Ltd	112,976	101,459
70.	Starlink Internet Services Nigeria Ltd	23,897	60,862
71.	Surfspot Communications Ltd	-	143
72.	Swifttalk Ltd	17	227
73.	Syscodes Communications Ltd	315	395
74.	Tecpoint Global Solutions Ltd	25	37
75.	Tehilah Base Digital Ltd	328	222
76.	Telequip & Digital Ltd	40	82
77.	Telserve Networks Ltd	66	0
78.	Tizeti Ltd	19,618	16,173
79.	Trakatel Ltd	223	254
80.	Trefoil Ltd	0	2
81.	Triple Logic Telecommunication Ltd	60	90
82.	VDT Communications Ltd	6,127	6,301
83.	Wavetek Nig. Ltd	4	-
84.	Winrock Nigeria Ltd	58	43
85.	WirelessNg International Ltd (Alfa O & O)	-	3,001
86.	Zeta-web Nigeria Ltd	288	290
	Total	217,641	214,333

APPENDIX G

Table 36: Staff Profile

		Nigerian	Expatriate
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S/N	Operators	Nigerian Male	Nigerian Female	Expatriate Male	Expatriate Female
1	5M Telecom Ltd	14	5	0	0
2	8ight Unique Global Telecommunication Ltd	5	2	0	0
3	Access and Content Ltd	6	4	0	0
4	AFR-IX Data Communications Ltd	1	0	0	0
5	Arif Investment Nig Ltd	9	7	0	0
6	Astramix Ltd	7	3	0	0
7	Backbone Connectivity Network Ltd	70	22	0	0
8	Bat Computer Technologies Ltd	15	4	0	0
9	Brainshare Technologies & Services Nig Ltd	33	5	0	0
10	Broadbased Communication Ltd	62	15	0	0
11	Browsepoint Telecom Nig Ltd	18	2	0	0
12	CBC Emea Ltd	11	0	0	0
13	Chapman Computers Nigeria Ltd	5	7	0	0
14	CITCC Ltd	13	3	5	4
15	Ciudad Infrastructure Ltd	22	6	0	0
16	Cleveland Technology Ltd	3	0	0	0
17	Cobranet Ltd	162	19	5	0
18	Cobweb Communication Ltd	6	1	0	0
19	Connect Focus Technologies Ltd	5	2	0	0
20	Content Oasis Ltd	20	4	1	0
21	Coquina Software Company Ltd	6	1	0	0
22	Coscharis Technologies Ltd	15	5	0	0
23	Coverage Broadband Ltd	6	0	0	0
24	Coz Internet Ltd	4	1	0	0
25	Cyberspace Ltd	135	39	0	0
26	Datastruct Technologies Ltd	6	2	0	0
27	Dimension Data Ltd	61	19	0	0
28	Disc Media & Telecom Ltd	5	1	0	0
29	Dotmac Technologies Ltd	117	26	0	0
30	Drausnet Ltd	8	1	0	0
31	Edo Telecom Ltd	2	1	0	0
32	Ekovolt Telco Ltd	12	3	0	0
33	Electronic Connections Ltd	11	2	0	0
34	eStream Networks Ltd	45	19	0	0

35	Excelsimo Networks Ltd	6	3	0	0
36	FastFeet Ltd	10	3	0	0
37	FiberOne Broadband Ltd	178	44	0	0
38	Fibrehub Internetnetworking Services Ltd	14	6	0	0
39	Futurecom Ltd	7	1	0	0
40	Galaxy Backbone Ltd	267	85	0	0
41	Gifra Network Ltd	23	2	0	0
42	Gutti Global Solutions Ltd	10	4	0	0
43	Henag Company Ltd	8	0	0	0
44	Hoop Telecoms Ltd	59	33	0	0
45	Houston Wireless Ltd	7	1	0	0
46	Hyperia Ltd	24	4	3	0
47	IDS Africa Ltd	9	2	0	0
48	Imbil Telecom Solutions Ltd	32	19	0	0
49	I-Net World Ltd	7	4	0	0
50	Information connectivity solutions Ltd (ICSL)	59	17	0	0
51	Infratel Ltd	28	7	0	0
52	Inq. Digital Nigeria Ltd (formerly Vodacom)	76	33	0	0
53	Internet Solutions Nigeria Ltd	51	17	0	0
54	Internetsional Technologies Ltd	9	8	0	0
55	Interra Network Ltd	6	9	0	0
56	Interweb Satcom Ltd	10	12	0	0
57	Iotech Global Hub Ltd	7	0	0	0
58	IP Express Ltd	26	15	0	0
59	IP2AIR Networks Ltd	4	2	0	0
60	IPNX Nigeria Ltd	93	29	0	0
61	IPPlus Nigeria Ltd	4	1	0	0
62	ITX Telecoms Ltd	5	0	0	0
63	I-World Networks Ltd	38	7	32	10
64	Juniper Solutions Ltd	13	4	0	0
65	Kajab Engineering Services Ltd	8	4	0	0
66	KKON Technologies Ltd	89	21	0	0
67	Layer3 Ltd	66	29	0	0
68	Liquid Intelligent Technology Ltd	8	0	1	0
69	Luli Fibra Cables Solution Ltd	61	10	0	0
70	Main One Cable Company Nigeria Ltd	249	104	2	0

71	Megamore Wireless Broadband Ltd	13	2	1	2
72	Multi Dimensions Technology Nig Ltd	5	2	0	0
73	Nanocom International Ltd	9	2	0	0
74	NetAccess Systems Ltd	30	10	0	0
75	Netfinity Ltd	108	28	5	1
76	Ngcom Ltd	72	27	0	0
77	Nilimage two4seven Ltd	10	0	0	0
78	Nkponani Ltd	9	1	0	0
79	Odua Telecoms Ltd	4	0	0	0
80	Orange Business Communications Ltd	5	0	0	0
81	Paribas Communications Ltd	12	5	0	0
82	Pear System Development Company Ltd	7	4	0	0
83	Phase 3 Telecom Ltd	115	20	2	0
84	Platinum Index Data Comm Ltd	24	6	0	0
85	Priority Communications Ltd	22	7	0	0
86	Proline Technology Ltd	14	0	0	0
87	Radical Technology Network Ltd	65	35	2	0
88	Realife Telecommunications Ltd	16	6	1	0
89	Sea Net Technologies Ltd	5	2	0	0
90	Sentient Networks Ltd	25	4	0	0
91	Simbanet Nigeria Ltd	17	6	2	0
92	Skymax Integrated Network Ltd	13	6	0	0
93	Skysenx Wireless Networks Ltd	15	20	0	0
94	Smart City Technology Company Ltd	11	1	2	1
95	Spectranet Ltd	320	111	17	0
96	Starlink Internet Services Nigeria Ltd	0	0	0	0
97	STL Fiberco Ltd	10	1	0	0
98	Suburban Broadband Ltd	41	21	0	6
99	Surfspot Communications Ltd	3	0	0	0
100	Swifttalk Ltd	27	8	0	0
101	Syscodes Communications Ltd	30	10	0	0
102	Taprap Nigeria Ltd	6	2	0	0
103	Tecpoint Global Solutions Ltd	12	3	0	0
104	Tehilah Base Digital Ltd	5	3	0	0
105	Tel Cables Nigeria Ltd	4	0	1	0
106	Telequip & Digital Ltd	3	2	0	0

107	Teleweb Services Ltd	6	1	0	0
108	Telserve Networks Ltd	4	3	0	0
109	Tizeti Network Ltd	179	81	0	0
110	Trakatel Ltd	5	3	0	0
111	Trefoil Networks Ltd	11	2	0	0
112	Triple Logic Telecommunication Ltd	8	4	0	0
113	VDT Communications Ltd	195	46	0	0
114	Vobiss Gridworx Nig Ltd	48	4	0	0
115	Wavetek Nig. Ltd	3	0	0	0
116	Winrock Nigeria Ltd	13	3	0	0
117	Zeta-web Nigeria Ltd	30	14	0	0
	Total	4,080	1,287	82	24

APPENDIX H

Table 37: Breakdown of Towers per Operator

S/N	COLLOCATION COMPANIES	NO. TOWERS
1.	Globacom Ltd	8,788
2.	MTN Nigeria Ltd	286

3.	EMTS	86
4.	Airtel Networks Ltd	122
5.	Smile Communications Nigeria Ltd	1
6.	HIS Nigeria Ltd	18,925
7.	ATC Nigeria Wireless Infrastructure Limited	8,270
8.	East Castle	135
9.	MPS Technologies	648
10.	Seal Towers	24
11.	Tydacomm	3
12.	Em Towers	3
13.	Infracore	3
14.	Atlas Towers	1
15.	Infratel Africa Limited	12
16.	Union Towers	51
17.	Vanu Wireless	3
18.	Crei Networks	40
19.	Pan African Towers	764
20.	Coloplus Worldwide Services Limited	139
21.	Africa Mobile Networks Communication Limited	1,535
22.	Extended Networks Limited	41
	Total	39,880