



2021

ANNUAL REPORT & ACCOUNTS

FOR THE YEAR END 31ST DECEMBER, 2021



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TABLE OF CONTENTS

EXECUTIVE VICE CHAIRMAN/CEO'S REPORT 2021.....	1
1.0 THE COMMISSION'S MANDATE.....	7
1.1 Our Commitment.....	8
1.2 Our Vision.....	8
1.3 Our Mission.....	8
1.4 Our Core Values.....	9
1.5 Our Credo.....	9
1.6 Objectives of the Nigerian Communications Commission.....	9
1.7 Functions of the Nigerian Communications Commission.....	10
2.0 NCC BOARD OF COMMISSIONERS.....	12
3.0 NCC's ORGANISATIONAL STRUCTURE.....	27
4.0 INDUSTRY STATISTICS.....	30
4.1 Annual Telecom Industry Statistics Performance Report.....	31
4.2 Active Voice and Internet Segments.....	32
4.3 Market Share of Service Deployment by Technology.....	33
4.4 Broadband Penetration.....	34
4.5 Internet Usage Summary.....	34
4.6 Telecommunications and Information Services Sector's Contribution to Nigerian Gross Domestic Products (GDP) as at 4th Quarter, 2021.....	35
4.7 Internet Service Providers Statistical Analysis Q4, 2020 – Q4, 2021.....	36
5.0 COMPETITION AND TARIFF ADMINISTRATION.....	37
5.1 Tariff Administration.....	38
5.2 Tariff Breakdown Analysis.....	40
5.3 Tariff/Pricing Request for VAS Operators.....	41
5.4 Cost Based Studies.....	41
5.5 Implementation of the Accounting Separation Framework in the Nigerian Telecommunications Industry.....	41
5.6 Introduction of Administrative Fees for Processing of Tariff Modifications and Revalidation.....	42
5.7 Key Competition Related Activities In 2021.....	42

6.0	CONSUMER AFFAIRS.....	45
6.1	Complaints Management.....	46
6.2	Complaints by Service Providers Received from all Channels (the NCC Contact Centre, NCC Consumer Portal, Written Complaints and NCC Social Media).....	47
6.3	Comparing Complaints Management in 2020 Vs 2021.....	50
6.4	First Level Complaints Status Received from Service Provider.....	50
6.5	NCC Complaints vs Service Provider's First Level Complaints	52
6.6	Industry Consumer Advisory Forum (ICAF)	53
6.7	Collaboration and Advocacy Activities.....	53
6.8	Consumer Information & Education Activities.....	54
7.0	SPECTRUM ADMINISTRATION.....	56
7.1	Frequencies Assigned from January – December 2021	57
7.2	Space Satellite Permits Issued In 2021	60
7.3	Network Coverage and BTS Deployment.....	61
7.4	Analysis of Network (2G, 3G and 4G) Coverage	62
7.5	Spectrum Interference Complaints and Resolution.....	64
7.6	Other Spectrum Activities.....	65
8.0	LICENSING ACTIVITIES.....	67
8.1	Introduction.....	68
8.2	Offer Letters Issued for Year 2021.....	70
8.3	Renewals.....	70
8.4	Notification of Intention Not to Renew/Surrender Licence.....	71
8.5	Change of Addresses.....	71
8.6	Expired & About to Expire Licences.....	71
8.7	Class Licences Printed.....	71
9.0	QUALITY OF SERVICE PERFORMANCE DATA.....	72
9.1	Equipment Type Approval.....	73
9.2	Monthly QoS Data.....	73
9.3	Monthly Point of Interconnections/Interconnect Clearing Licensees' KPIs.....	76
9.4	Resolution Of Interconnect Issues Between Operators.....	81
9.5	QoS Aspect of Mobile Number Portability (MNP).....	81
9.6	New NNP Numbers Allocation.....	83
9.7	Electromagnetic Field Radiation (EMR) Emission Draft guidelines.....	84
10.0	COMPLIANCE AND ENFORCEMENT ACTIVITIES.....	85
10.1	Compliance Monitoring on Routing Of 10% Interconnect Traffic Through Interconnect Exchange Licencees.....	86
10.2	Forceful Subscription – EMTS.....	86
10.3	Airtel's Breach of the Direction on Forceful Subscription.....	86
10.4	Forceful Subscription into Value Added Service (VAS) by Airtel and Globacom.....	86
10.5	Contravention of the Direction on Do Not Disturb (DND).....	87

10.6	Breach of the Commission's Direction on End of Call Notification (EOCN).....	87
10.7	BTS Site Investigations.....	87
10.8	Interactive Forum with Service Providers.....	88
10.9	Enforcement Actions on Breach of Type Approval Regulations.....	89
10.10	Technical Audits on New SIM Registration & SIM/NIN Linkage Policy.....	89
10.11	Routine Compliance Monitoring Checks.....	89
11.0	TELECOM INDIGENOUS CONTENT DEVELOPMENT.....	91
11.1	The Nigeria Office for Developing the Indigenous Telecoms Sector (NODITS).....	92
11.2	Development of the Database for the Implementation of the National Policy for Promotion of Indigenous Content in the Nigerian Telecommunications Sector (NPPIC) Directive.....	93
11.3	Implementation of Government Directives on Local Production of SIM Cards in Nigeria.....	93
11.4	Development of Draft Guidelines.....	93
11.5	Collaboration With Digital Bridge Institute (DBI).....	93
11.6	Identification of Products with Potential for Local Production.....	94
11.7	Research on Telecommunications Contributions to Nigeria's GDP (Gross Domestic Product).....	94
11.8	Other Activities on Local Content Development.....	95
12.0	INTERNET GOVERNANCE AND CYBER SECURITY.....	96
12.1	Establishment and Implementation of the Telecommunications Sector Computer Security Incident Response Team (CSIRT) Co-ordination Centre.....	97
12.2	Alert and Warning Advisories.....	97
12.3	Threat Monitoring.....	98
12.4	IP Address Management.....	100
12.5	African Network Information Centre (AFRINIC) Limited Collaboration.....	101
12.6	Africa Safer Internet Day.....	101
12.7	Girls in ICT Day.....	101
12.8	Maiden Edition of the Telecom Consumer Conversation.....	102
12.9	AU Day of the African Child 2021 (DAC).....	102
12.10	National Cyber Security Awareness Month (NCSAM)	102
12.11	Translation of Child Online Protection books into Pidgin English, Yoruba, Hausa and Igbo (πWaZoBia).....	102
12.12	Nigerian Internet Governance Forum (NIGF)/African Internet Governance Forum (AfIGT).....	102
12.13	Internet Corporation for Assigned Names and Numbers (ICANN).....	102
12.14	Internet Governance Forum (IGF).....	104
12.15	Cyberbullying Survey Report.....	104
13.0	NCC PROJECTS IN 2021.....	105
13.1	SIM Card Registration.....	106

13.2	Implementation of the Revised National Identity Policy for SIM Registration - MSISDN-NIN Harmonisation Project (Linkage of Active SIMs to Subscribers NIN).....	106
13.3	Special Projects.....	107
13.4	Public Private Partnership Projects.....	108
14.0	LEGISLATIVE AND GOVERNMENT RELATIONS.....	110
15.0	REGULATORY ACTIVITIES.....	114
15.1	Freedom of Information (FOI) Requests.....	115
15.2	Regulatory Requests.....	116
15.3	Change In Shareholding Structure.....	116
15.4	Legal/Regulatory Meetings.....	116
15.5	Application to Surrender Licence	118
16.0	EMERGENCY COMMUNICATION CENTRES (ECC).....	119
16.1	Introduction.....	120
16.2	Commissioning of Emergency Communication Centres.....	120
16.3	Engagements and Collaborations.....	120
16.4	112 Toll Free Number Calls in 2021.....	121
17.0	INTERNATIONAL AFFAIRS.....	123
18.0	RESEARCH AND DEVELOPMENT.....	126
18.1	Introduction.....	127
18.2	Professorial Chairs.....	127
18.3	Virtual NCC IoT Code Camp and Hackathon 2021.....	127
18.4	ICT Innovation Competition/Exhibition.....	128
18.5	Incentivizing the Development of Local Devices with OEMS, Smartphones and Tablets.....	129
18.6	Virtual Hackathon and Competition/Exhibition Winners.....	129
19.0	STAKEHOLDERS' ENGAGEMENTS.....	131
19.1	Meetings.....	132
19.2	Collaboration with Ministries Departments and Agencies.....	135
19.3	Digital Skills and Services Activities.....	135
19.4	Digital Innovation and Entrepreneurship Activities.....	135
19.5	Conferences Attended.....	135
19.6	Awards.....	136
19.7	NCC Global Connect Podcast Channel.....	137
20.0	2021 AUDITED FINANCIAL STATEMENT.....	138
21.0	NCC IN PICTURES - 2021.....	179
22.0	NCC CONTACT DETAILS.....	184



EXECUTIVE VICE CHAIRMAN/ CEO'S REPORT 2021



EXECUTIVE VICE CHAIRMAN/CEO'S REPORT 2021



Prof. Umar Garba Danbatta, FNSE
Executive Vice Chairman/CEO

Introduction

It is my pleasure to present to you the 2021 Annual Report and Accounts of the Nigerian Communications Commission, in compliance with section 21(1) of the Nigerian Communications Act (NCA) 2003. The Commission recorded landmark achievements regardless of the effect of the COVID-19 pandemic which began in 2020.

This report highlights the achievements, opportunities, challenges and financial accounts of the Commission in 2021.

Industry Statistics

Analysis of the telecom industry statistics indicates the following:

- i. Active telecom subscribers declined by 4.67% from 204,601,313 subscribers in December of 2020, to 195,463,898 subscribers in December 2021. Active internet subscription also decreased by 7.99% from 154,301,195 to 141,971,560 during the period under review. This represents a loss of about 9 million data subscribers in 2021. Broadband subscription witnessed a reduction of 9.19% in 2021 from 45.02% to 40.88% in 2021.

The overall decline can be attributed to the audit of the subscriber registration database during which the sale, registration, and activation of new SIM Cards were suspended until the completion of the exercise. The policy also restricted foreigners and visitors from purchasing mobile lines, just as it made it difficult for existing users to retrieve their lost lines.

- ii. Contribution of the telecommunications sector to the Gross Domestic Product (GDP) increased by 1.29% from 12.45% in 2020 to 12.61% in 2021.
- iii. GSM services continued to dominate the market share by technology with 99.80% market share while VoIP and Fixed Wired technology have 0.10% market each.

- iv. **GSM Market Share** – MTN continued to be the market leader in the GSM market with a market share of 37.72% despite the decline in its market share of 4.65% (39.56% in 2020). It is followed by Globacom with a market share of 28.09% (up from 26.86% in 2020 representing an increase of 4.58%); Airtel with 27.64% (up from 27.25% in 2020 representing an increase of 1.43%), and 9Mobile with a market share of 6.55% (up from 6.27% in 2020 representing an increase of 4.47%).
- v. **Fixed Wired Market Share:** 21st Century dominated this market segment with a market share of 89.34% at the end of the reporting period. This is followed by MTN fixed, Glo Fixed, and ipNX with market shares of 6.94%, 2.56% and 1.16% respectively.
- vi. **VoIP Market Share:** Smile Communications enjoyed 99.01% of the VoIP market followed by Ntel with 0.99% market share.

Achievements

The achievements of the Commission in 2021 include:

- a. Launch of the Strategic Vision Plan (SVP) 2021-2025, a Compendium of EVC's Speeches & Presentations and NCC's Global Connect Podcast Channel

The Strategic Vision Plan (SVP) 2021-2025 was formulated to ensure the implementation of the Government's well-developed policies and to streamline regulatory focus for better efficiency, in alignment with relevant policy instruments. It focuses on the following strategic pillars:

- i. Organizational Renewal for Operational Efficiency and Regulatory Excellence
- ii. Provision of Infrastructure for a Digital Economy which Fosters National Development
- iii. Improved Quality of Service (QoS) for Enhanced Consumer Quality of Experience (QoE)
- iv. Promotion of Fair Competition, Inclusive Growth, Increased Investment, and Innovative Services
- v. Strategic Collaboration and Partnership.

The Compendium titled "**Catalyzing Nigeria's Socio-Economic Transformation through Broadband Infrastructure**", which is a collection of the EVC's various speeches and presentations over the period October 2015 to December 2020 was also launched. And, as part of our efforts to have a well-informed telecommunications sector. The Nigerian Communications Commission introduced the NCC Global Connect Podcast Channel during the year. This will, no doubt, expand the level of our social media engagement and provide another avenue for informing the telecom consumers of our regulatory initiatives.

b. 3.5GHz Spectrum Auction

One of the notable achievements of the Commission was the auction of the 3.5GHz Spectrum for the deployment of 5G network in the country. The Commission had received applications from three licensed telecoms companies: Airtel Networks Limited, Mafab Communications Limited and MTN Communications Nigeria Limited.

The auction held successfully on Monday December 13, 2021, with the three bidders competing for the available two slots. At the end of the auction, Mafab Communications

Limited, and MTN Communications Nigeria Limited emerged as provisional licence winners of the auction. The winning bid price for the auction was \$273,600,000 for each lot of 100 MHz TDD, and the provisional winners were expected to pay the Winning Bid price less the Intention-to-Bid Deposit, by February 24, 2022.

c. Internet Exchange Point of Nigeria (IXPN) Link Expansion

The IXPN project aims to provide the physical infrastructure whereby Internet Service Providers (ISPs) can locally exchange traffic between their networks. The IXPN, situated in Nigeria, enables local hosting of traffic, thereby reducing the cost of internet and vastly improving the local connectivity between customers of adjacent ISPs. The Commission approved the upgrade of the data capacity of the various IXPN backbone links as below:

S/N	IXPN ROUTE	OLD CAPACITY (MBPS)	UPGRADED CAPACITY (MBPS)
1	Abuja – Kano	DS3 - 45	STM4 - 620
2	Abuja – Lagos	STM1 - 155	STM6 - 930
3	Lagos - Port Harcourt	STM1 - 155	STM2 - 310

The Contract for the Expansion of IXPN Abuja-Lagos Link by an additional STM1 was awarded while the establishment of an IXPN Data Centre in the North-East region and the integration of existing Internet Service Providers (ISPs) into the wider IXPN network is ongoing. The Commission also landed total Offshore Broadband Capacity of 50.74 TB comprising 40TB Submarine and 10.74 TB of Satellite and they are already due for increase.

d. New Mobile International Termination Rate for Voice Services

The Commission issued a new International Termination Rate (ITR) for voice services paid by overseas telecom carriers for terminating international calls on local networks in Nigeria at \$0.045. This is the floor price for ITR services and shall take effect from January 1st, 2022. The new rate will be paid in US Dollar so that Nigerian operators can accommodate currency devaluation. No licensee is permitted to charge and/or receive effective rate per minute below the determined ITR floor rate. As such, payment discounts, volume discounts and any other concession that has the effect of bringing the effective ITR lower than the rate issued shall be deemed a contravention of the new determination and will attract sanctions in line with the Nigerian Communications (Enforcement process, etc.) Regulations, 2019.

However, the Mobile Termination Rate (MTR) which is the local termination rate of ₦3.90 for generic 2G/3G/4G operators and ₦4.70 for new entrant Long Term Evolution (LTE) operators determined in 2018, will continue to apply for local call terminations until a new rate is determined by the Commission pursuant to its powers as enshrined in the Nigerian Communications Act (NCA), 2003.

Other achievements recorded by the Commission during the year include the following:

- i. Launch of the National Policy on Fifth Generation Networks (5G) for Nigeria's Digital Economy facilitated by the Ministry of Communications and Digital Economy. This creates a framework for the safe and efficient deployment of the latest access technologies in Nigeria.
- ii. The World Radio-Communications Conference (WRC-19) recently harmonized 5G spectrum bands – such as the 26GHz, 38GHz and 42GHz bands. The Commission is

currently updating the National Frequency Allocation Table (NFAT) for more efficient spectrum allocation and usage to reflect WRC-19 recommendations. Some new spectrum bands for utilization were also opened such as the 60GHz V-band and the 70/80GHz E-band for both point-to-point and point-to-multi-points deployments.

- iii. Collaboration with the National Frequency Management Council (NFMC) and the National Broadcasting Commission (NBC) to ensure that the 700MHz and 2.6GHz bands are cleared for assignment to Operators for broadband deployment.
- iv. Issuance of the Spectrum Trading Guidelines to Operators to enable the transfer, lease or sharing of spectrum resources. Two Spectrum bands were successfully traded during the year - the transfer of 2 x 10MHz in the 900MHz Extended GSM Band from Intercellular to Airtel, and 2 x 10MHz in the 800MHz band from Intercellular to MTN.
- v. The conclusion of the development of Guidelines on TV White Space (TVWS) for the deployment of broadband services in the country.
- vi. The creation of Space Unit in Spectrum Administration Department of the Commission for the regulation of the activities of Satellite Operators in Nigeria (including Space Station Operators and Earth Station Operators).
- vii. The launch of the National Policy for the Promotion of Indigenous Content (NPPIC) which articulated clear policy objectives and strategies for increasing indigenous participation in the Nigerian telecoms industry. The Nigeria Office for the Development of Indigenous Content in the Telecommunications Sector (NODITS) was created as mandated by the NPPIC as a Special Purpose Vehicle (SPV) to drive the attainment of Policy objectives.
- viii. Licensing of INFRACO Companies to deploy fibre on an Open Access basis in the Six (6) Geopolitical Zones of the country and Lagos State. Approval to commence rollout was given in April 2021.

Challenges

The achievements recorded in the year under review are not without their attendant challenges. The industry continues to be beleaguered by barriers to investment – such as multiple taxation and regulation on telcos in different States of the Country, refusal of State Governors to implement the FG approved Right-of-Way (RoW) fees of N145/linear meter, which is delaying the fibre deployment by Infraco. Insecurity in the Country is also disrupting deployment of broadband infrastructure thereby mitigating the broadband target of 70% by 2025.

Also, the impact of vandalism reduces coverage area, and further leads to 'dead spots' on the network which impact quality of service (QoS) and quality of experience (QoE) by the telecom consumers. This also discourages investment in network expansion by operators.

Furthermore, the persistent devaluation of the Nigerian Currency, Naira, has adversely impacted on the earnings of the telcos. The Commission is seeking the intervention of the Central Bank of Nigeria (CBN) on the inclusion of the telecoms sector into the Official Forex Window as this will cushion the effect of devaluation on the revenue of the Telcos.

Conclusion

The Commission sincerely appreciates the President of the Federal Republic of Nigeria, His Excellency, Muhammadu Buhari GCFR, and the Honourable Minister of Communications and Digital Economy, Prof. Isa Ali Ibrahim Pantami, for their support and commitment to the deployment of 5G technology in Nigeria. This will inevitably bring about substantial network improvements, including higher connection speed, mobility, and capacity as well as low-latency capabilities to communications services in Nigeria.

We particularly appreciate President Muhammadu Buhari for declaring telecom facilities as Critical National Infrastructure following the recommendation of the Honorable Minister, Prof. Pantami. The objective is to protect them from vandalization and theft, amongst other things. This will ensure that necessary protective measures are deployed to safeguard telecommunications infrastructure deployed across the country thereby reducing the threat of vandalism on these infrastructure and it will support the implementation of the National Broadband Plan (NBP) 2020-2025.

Special gratitude to our stakeholders for their support and contributions in 2021. However, the task of attracting infrastructure investments is a collective responsibility, and through collaborative efforts, the bottlenecks facing the telecom industries will be managed effectively.

Lastly, I wish to acknowledge the contributions of the National Assembly, the Judiciary, the Ministry of Communications and Digital Economy, the various Ministries, Departments and Agencies (MDAs), the Mobile Network Operators, the telecom Consumers, Board, Management, and Staff of the Commission. I hope we continue to work together to ensure the strategic goals and objectives of the Commission are achieved.

Thank you.



Prof. Umar Garba Danbatta, FNSE, FRAES, FAEng, FNIEEE.
Executive Vice Chairman/CEO



THE COMMISSION'S MANDATE

1



The Commission's Mandate

The mandate of the Commission has been carefully crafted and presented in the Commission's Commitment, Vision Statement, Mission, and Core Values as shown below:



1.1 Our Commitment

The Nigerian Communications Commission (NCC) is committed to creating a world-class telecommunications environment for all Nigerians. The Commission is driven by three guiding principles (the 3Fs); to be Fair, Firm, and Forthright in carrying out its duties and functions as the National Telecommunications Regulator. NCC has adopted the following Vision and Mission Statements to guide its operations.



1.2 Our Vision

A dynamic regulatory environment that ensures universal access to affordable and equitable service and supports the nation's economic growth.

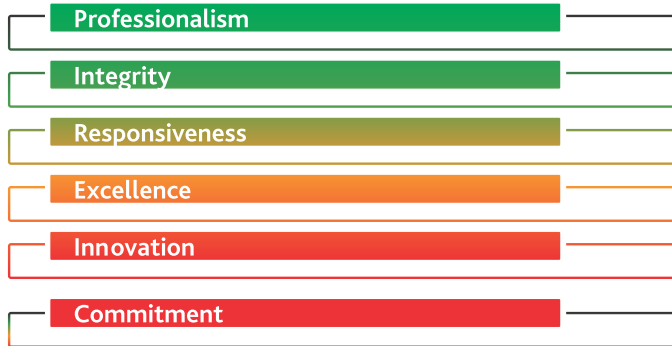


1.3 Our Mission

To support a market driven communications industry and promote universal access.



1.4 Our Core Values



1.5 Our Credo

- Our goal is to ensure the availability of high quality and affordable communications services to everyone and everywhere in Nigeria.
- We shall strive to be fair, firm and forthright in carrying out our mandate with commitment to protect the interests of stakeholders.
- We commit to providing a level playing field in the industry with integrity and transparency.
- We shall work as a team with a Management that is accountable and responsive, a workforce that is hard working, loyal and committed, all bound by professionalism.
- We shall be sensitive to the yearnings of our employees for whom we shall provide conducive working environment for the attainment of job satisfaction and self-actualization.
- We shall treat our employees with respect and dignity and we shall recognize and reward merit.

1.6 Objectives of the Nigerian Communications Commission

- a. To promote the implementation of the national communications or telecommunications policy as may be modified and amended from time to time.
- b. To establish a regulatory framework for the Nigerian telecommunications industry and for this purpose, create effective, impartial and independent regulatory authority.
- c. To promote the provision of modern, universal, efficient, reliable, affordable and easily accessible communications services and the widest range thereof throughout Nigeria.
- d. To encourage local and foreign investments in the Nigerian communications industry and the introduction of innovative services and practices in the industry in accordance with international best practices and trends.
- e. To ensure fair competition in all sectors of the Nigerian communications industry and also encourage participation of Nigerians in the ownership, control and management of communications companies and organizations.

- f. To encourage the development of a communications manufacturing and supply sector within the Nigerian economy and also encourage effective research and development efforts by all communications industry practitioners.
- g. To protect the rights and interests of service providers and consumers within Nigeria.
- h. To ensure that the needs of the disabled and elderly persons are taken into consideration in the provision of communications services.
- i. To ensure an efficient management including planning, coordination, allocation, assignment, registration, monitoring and use of scarce national resources in the communications sub-sector, including but not limited to frequency spectrum, numbers and electronic addresses, and also promote and safeguard national interest, safety and security in the use of the said scarce national resources.

1.7 Functions of the Nigerian Communications Commission

- a. The facilitation of investments in and entry into the Nigerian market for provision and supply of communications services, equipment and facilities.
- b. The protection and promotion of the interests of consumers against unfair practices including but not limited to matters relating to tariffs and charges for and the availability and quality of communications services, equipment and facilities.
- c. Ensuring that licensees implement and operate at all times the most efficient and accurate billing system.
- d. The promotion of fair competition in the communications industry and protection of communications services and facilities providers from misuse of market power or anticompetitive and unfair practices by other service or facilities providers or equipment suppliers.
- e. Proposing and effecting amendments to license conditions in accordance with the objectives and provisions of this Act.
- f. Fixing and collecting fees for grant of communications licenses and other regulatory services provided by the Commission.
- g. The development and monitoring of performance standards and indices relating to the quality of telephone and other communications services and facilities supplied to consumers in Nigeria having regard for the best international performance indicators.
- h. Making and enforcement of such regulations as may be necessary under this Act to give full force and effect to the provisions of this Act.
- i. Management and administration of frequency spectrum for the communications sector and assisting the National Frequency Management Council (NFMC) in developing a national frequency plan.
- j. Development, management and administration of a national numbering plan and electronic addresses plan and the assignment of numbers and electronic addresses to licensees.

- k. Proposing, adopting, publishing, and enforcing technical specifications and standards for the importation and use of communications equipment in Nigeria and for connecting or interconnecting communications equipment and systems.
- l. The formulation and management of Nigeria's inputs into the setting of international technical standards for communications services and equipment.
- m. Encouraging and promoting infrastructure sharing amongst licensees and providing regulatory guidelines thereon.
- n. Examining and resolving complaints and objections filed by and disputes between licensed operators, subscribers or any other person involved in the communications industry, using such dispute-resolution methods as the Commission may determine from time to time including mediation and arbitration.
- o. Preparation and implementation of programmes and plans that promote and ensure the development of the communications industry and the provision of communications services in Nigeria.
- p. Designing, managing and implementing Universal Access strategy and programme in accordance with Federal Government's general policy and objectives thereon.
- q. Advising the Minister on the formulation of the general policies for the communications industry and generally on matters relating to the communications industry in the exercise of the Minister's functions and responsibilities under this Act.
- r. Preparation and implementation of programmes and plans that promote and ensure the development of the communications industry and the provision of communications services in Nigeria.
- s. Implementation of the Government's general policies on communications industry and the execution of all such other functions and responsibilities as are given to the Commission under this Act or are incidental or related thereto.
- t. Generally advising and assisting communications industry stakeholders and practitioners with a view to developing the industry and attaining the objectives of this Act and its subsidiary legislation.
- u. Representation of Nigeria at proceedings of international organizations and fora on matters relating to regulation of communications and matters ancillary and connected thereto.
- v. The general responsibility for economic and technical regulation of the communications industry.



NCC BOARD OF COMMISSIONERS

2



NCC BOARD OF COMMISSIONERS



Professor Adeolu Akande, PhD is the *Chairman of the Board of Commissioners* of the *Nigerian Communications Commission*.

Until his appointment by President Muhammadu Buhari to the Governing Board of NCC, Prof. Akande was the Chairman, Board of National Information Technology Development Agency, (NITDA).

An eminent academic, consummate professional and all-round gentleman, a significant part of Prof. Adeolu Akande's life has been devoted to the service of Nigeria and her people – as a resourceful journalist, a teacher and top-level public servant.

Akande is a Professor of Comparative Politics and Political Communication at the Igbinedion University, Okada, Edo State where he also serves as the Director of the Centre for Presidential Studies. He attended Anwar-ul-Islam High School, Iseyin and the Oyo State College of Arts and Science, Ile-Ife before studying Political Science at the University of Ibadan.

He obtained his B.SC, M.SC and PhD in the course at Nigeria's premier university, University of Ibadan, where he also worked as a lecturer. He left indelible footprints in Nigeria's vibrant newspaper industry as Regional Editor, Southwest of the Punch Newspapers; Deputy Editor/Acting Editor, Sunday Tribune, and Editor-in-Chief of the pro-democracy magazine, Omega Weekly.

Beyond his journalism and academia credentials, Akande served as Deputy Chief Press Secretary and later as Special Assistant, Research and Communications Strategy to the President of the Federal Republic of Nigeria. He was also Chief of Staff to the former Governor of Oyo State, Senator Abiola Ajimobi(Late)

Among his other initiatives and affiliations, Akande is the founder of the Adeolu Akande Foundation – a non-profit organization with the vision of interventions based on promoting the dignity of the individual. Rather than give philanthropy away, the foundation invests in people through scholarships, seed funding, youth empowerment and skills acquisition. Professor Akande is also a Barrister and Solicitor of the Supreme Court of Nigeria.



Prof. Umar Garba Danbatta is the *Executive Vice-Chairman and Chief Executive Officer (EVC/CEO)* of the *Nigerian Communications Commission (NCC)*. He is currently serving a second term of five years in office, following the approval of President Muhammadu Buhari in 2020.

Danbatta earned BEng, MSc degrees from the Technical University of Wroclaw in Poland and received his PhD from the University of Manchester Institute of Science and Technology.

The multiple award-winning professor successfully spearheaded the attainment and surpassing of Nigeria's national broadband target in 2018, and he is currently among those leading the charge for the realization of the new national broadband target of 70% by 2025, after the country achieved and surpassed its earlier national target of 30% penetration in 2018.

Through effective regulatory regime and various cutting-edge initiatives, Danbatta has strengthened the role of telecommunications sector as a major contributor to the country's Gross Domestic Product (GDP) growth, and boosted telecoms investment inflows from \$36 billion to over \$70 billion since 2015, among others.

Before his appointment to lead NCC in 2015, Danbatta, who is a professor of telecommunications engineering, had worked in academia as lecturer where he supervised more than sixty (60) PhD, MEng and BEng projects in diverse areas of telecommunications, rising to the position of Acting Vice-Chancellor in a Nigerian university.

He was the Vice-President of the Digital Bridge Institute (DBI), an international centre for advanced communications studies established in 2004 by the Commission (NCC) for capacity in diverse areas of Information and Communication Technology (ICT).

While at DBI, Danbatta developed expertise in the major areas of ICT implementation, policy and regulation, including Regulation of the Telecommunications Sector of the Nigerian Economy; Competition, Interconnection and Price Regulations in a Developing Economy; and Issues Concerning Authorization of Telecommunications Services in a Developing Economy.

The other areas of his expertise are Strategies for ensuring Universal Access and Service to Telecommunications Services; Strategies towards Effective Spectrum Management in a Developing Economy; Issues on Institutional and Legal Framework for Effective Regulation of Telecommunications Services; and, New and Emerging Technologies and Impact on Regulation of the Telecommunications Sector of a Developing Economy, among others.

He is a recipient of scores of distinguished awards and certificates of honour, both nationally and internationally, including the prestigious Zik Prize in Professional Leadership. His strides in reviving the Emergency Communications Centers (ECCs) and the introduction of harmonized national emergency communication number, 112, helped the NCC to win the International Public Relations Association Golden Award in the year 2000, as the centers played a pivotal role in containing the COVID-19 pandemic in Nigeria.

Prof. Danbatta has served two terms of five years as a Member of Council for the Regulation of Engineering in Nigeria (COREN). He is a Fellow of many professional bodies, including the Nigerian Society of Engineers (NSE), Nigerian Academy of Engineering (NAEng), Renewable

and Alternative Energy Society (RAES) and Nigerian Institute of Electrical and Electronic Engineers (NIEEE).

Fellowships:

- Fellow, Nigeria Academy of Engineering (FAEng);
- Fellow, Nigerian Society of Engineers (FNSE);
- Fellow, Institute of Electrical and Electronic Engineering (FIEEE);
- Fellow, Renewable and Alternative Energy Society of Nigeria (FRAES).

Honorary Degrees:

- Ph.D (Honorary Causa), University of Jos

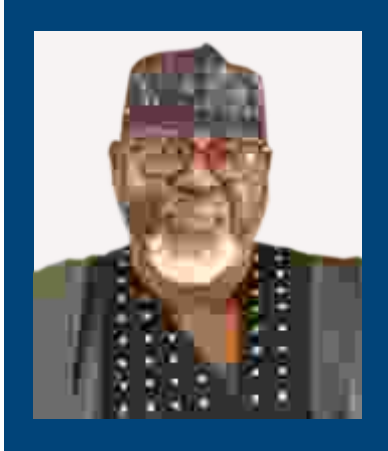
Selected Awards for Danbatta and NCC under his leadership

Professor Danbatta is a recipient of several awards and recognitions, locally and internationally. These include:

- European Award for Best Practices 2016 by an EU Organisation in Brussels, Belgium.
- Quality Achievement Award for Best Practices by European Society for Quality Research (ESQR) 2017.
- Exceptional Public Service Performance in the Platinum Category (Bureau of Public Service Reform) Leadership Newspapers Award of Government Agency of the Year.
- Chief Executive Officer of the Year (Tell Magazine).
- African Regulator of the Year at the African Information Technology and Telecom Awards (AITTA) in Accra, Ghana.
- Regulator of the Year by African Leadership Magazine in New York, USA.
- Telecoms Personality of the Year - 12th Nigerian Telecoms Award, Lagos.
- Telecom Man of the Year 2017--Nigeria Tech Innovation & Telecom Awards (NTITA).
- Telecoms Man of the Year 2018--Nigeria Tech Innovation & Telecom Awards (NTITA).
- Lead Presenter- Senior Executive Course (SEC) of the National Institute for Policy and Strategic Studies (NIPS).
- 2016 Nigerian Academy of Engineering Lecture Presenter.
- Regulator of the Year by Nigerian Communications Week.
- Fellow of Renewal and Alternative Energy Society of Nigeria (RAESON).
- Personality of the Year by the Lagos Chamber of Commerce Industry, Mines and Agriculture.
- African Quality Achievement Award 2016 by African Quality Institute.
- Human Rights Government Agency of the Year by Constitutional Rights Awareness and Liberty Initiative (CRALI).
- 2017-Beacon of ICT Awards as Telecom Regulator of the Year.

- Beacon of ICT Awards: Best Use of Social Media.
- Authority Newspaper Exemplary Public Service Award, 2017.
- Most Responsive CEO of the Year (Public Service) by House of Representatives Press Corp (2018).
- The Outstanding Leadership in Broadband Penetration (The 2nd Daar Awards for Outstanding Performance & Good Governance) 2018.
- Award of excellence in Technological Development & Leadership Heroes (Kano Heroes Awards 2017).
- Pan African Telecomm Regulatory Excellence Nigerian Communications Commission (Africa Digital Heroes Awards (October 2019).
- Government Agency of the Year (Beacon of ICT Awards).
- Telecom Personality of the Year Nigeria Tech Innovation & Telecom Awards (NTITA) September 2019.
- Regulator of the Year Award (NCC) Nigeria Tech Innovation & Telecom Awards (NTITA) September 2019.
- National Public Servant of the Year, 2018 Business Journal Award (September 2019).
- Telecom Personality of the Year ICT Watch Awards (July 2019).
- Regulator of the Year Award ICT Watch Awards (July 2019).
- Award of Excellence by Head of Civil Service of the Federation to NCC (September 2019).
- ITU Telecom World Awards 2019 to NCC for its commitment as a valuable partner (September 2019).
- Most Innovative Federal Regulatory Agency of the Year (NiTA Awards November 2019).
- Goodwill Ambassador Award in Security and Emergency Management (Security and Emergency Management Awards SAEMA 2019).
- Outstanding Accomplishments in Emergency Management (SEMA 2020).
- Man of the Year 2020, Money Report Magazine.

Prof. Danbatta, an author and philanthropist, is married with children.



Engr. Ubale Ahmed Shehu Maska is the *Executive Commissioner (Technical Services)* of the *Nigerian Communications Commission*.

Following his graduation with a Bachelor of Engineering (B.Eng.) - Electrical from the Ahmadu Bello University (ABU), Zaria in 1982, Engr. Ubale Maska proceeded to Rivers State University of Science and Technology in Port Harcourt where he served as a teaching and laboratory assistant in the Electrical Engineering Department during his one year mandatory National Youth Service Corps (NYSC).

Afterwards, he returned to ABU as a Graduate Assistant in the Department of Electrical Engineering in 1983, and was later promoted to Assistant Lecturer in 1986. During this period, he pursued and obtained a Master's degree (MSc.) in Electronics and Telecommunications from his alma mater.

Engr. Maska joined the National Universities Commission (NUC) in 1989, and left in 1997 as Head of Hardware & Networking Division, having also served as Head of the System Administration Team of the NUC's computer network. He represented the NUC on the steering committee of the Nigerian Internet Group (NIG). While at the NUC, Engr. Maska obtained his second Master's degree in Software Systems Engineering from the University of Sheffield in the United Kingdom, gaining experience in the design and deployment of automatic control systems as part of the Master's programme in Lunen, Germany.

Engr. Maska later joined the Petroleum Equalization Fund (Management) Board (PEFB) as Manager in charge of its Management Information System (MIS) in May, 1997, where he spearheaded the development of various software packages to meet the needs of all arms of the Fund and the training of more than half the workforce of the PEFB in basic computing skills. He also led the planning of the PEFB's computerization project for deploying Local Area Networks (LANs) in the Fund's Abuja and Lagos offices and other smaller installations in 22 NNPC depots across the country, connecting all networks together into a Wide Area Network (WAN) via satellite.

Following his stint at the PEFB, Engr. Maska moved to the Nigeria Social Insurance Trust Fund (NSITF) in October 1999 as a Deputy General Manager in charge of Information Technology where he was responsible for all computing facilities, LAN deployment and networking of the NSITF's Northern offices.

In 2001, Engr. Ubale Maska joined the Nigerian Communications Commission as a Deputy Director (Engineering Directorate - now Spectrum Administration and Network Integration Department). He was part of the team that pioneered the Spectrum Administration procedures and processes in respect of commercial Spectrum in Nigeria and the creation of a Spectrum Pricing Structure for the nation. He was also a member of the team responsible for the initial automation of Frequency Management Records, the establishment of the initial National Frequency Allocation Table in accordance with the ITU's recommendations and participated in the resolution of several frequency interference issues. Notably, he represented the NCC at the International Telecommunications Union (ITU) – World Radio Conference (WRC), 2003.

He then moved to the Technical Research & Standards Directorate where he participated in the preparatory meetings of the ITU – World Telecommunication Standardization Assembly

(WTSA), 2008. Subsequently, he was appointed Head of Cyber Security in the newly created New Media & Information Security Department, where he initiated the process of establishing the Computer Emergency Response Team (CERT) for Nigeria. Also, he initiated collaborative relationships with numerous international bodies, most notably the United States Federal Bureau of Investigation (FBI) on Cyber Security issues.

In 2011, Engr. Maska was posted to head Compliance Monitoring and Enforcement Department, where he led the formation of the Industry Working Group on Multiple Taxation/Regulation in Nigeria, and he was promoted Director of the Department in 2012.

The Executive Commissioner Technical Services, Engr. Ubale A. S. Maska is currently the chairman of the Broadband Implementation Steering Committee (BISC) of the Nigerian Broadband Plan (2020-2025), which was launched by the President of the Federal Republic of Nigeria on 19th of March 2020. He is also a member of the Nigerian Society of Engineers and is happily married with children.



Mr. Adeleke Morounfolu Adewolu is the *Executive Commissioner (Stakeholder Management)* of the *Nigerian Communications Commission*.

A lawyer by profession, a seasoned administrator and project manager, Adeleke Adewolu has acquired extensive experience in legal practice, governance, reform and public administration. He is a Barrister and Solicitor of the Supreme Court of Nigeria (1986) and Solicitor of the Supreme Court of England & Wales (1999).

Over a career spanning 30 years, Adeleke has served in numerous private and public institutions of repute in Nigeria and the United Kingdom. He served as State Commissioner for Special Duties and Inter Governmental Affairs in Ogun State from 2015 - 2019. Prior to that, he was Special Adviser (Research & Documentation) to the Governor of Ogun State (2011-2015), where he coordinated the Fast Track Recruitment of 10,000 workers during the first 100 days of Senator Ibikunle Amosun led administration. Between 2005 and 2007, he worked as a Special Assistant on Legal and Legislative Matters to the Senate President in the National Assembly.

An experienced project manager and legal practitioner, with vast, hands-on knowledge of the implementation of Reform and Social Investment Programmes, Adeleke has direct experience managing multi-party stakeholders and high-level representation from the government, the private sector, multilateral agencies and international organizations including the Bureau of Information Communication Technology (ICT). He has served as liaison with the National Economic Council (NEC), Nigerian Governors Forum (NGF), Progressive Governors Forum (PGF), D.A.W.N Commission and the South-West Governors Forum.

As Ogun State Commissioner for Special Duties, he managed the implementation and performance monitoring of the French Development Agency (AFD) funded Ogun Water Sector Reform project. In his capacity as the State Focal Person for the Federal Government of Nigeria's Social Investment Programme (SIP), he coordinated, mobilized resources, and managed stakeholder relationships with partner institutions and engaged over 2000 women as Food Vendors under the Home-Grown School Feeding Programme which provided a hot meal daily to over 200,000 primary school pupils. He also coordinated and monitored the placement of over 18,000 unemployed graduate youths under the N-Power Graduate Employment programme.

A certified PRINCE2 Project Manager, Adeleke also served in several roles for 13 years, as Senior Caseworker, Business Information System Team Lead and IT System Releases Manager at the Legal Services Commission of the United Kingdom where he oversaw the maintenance of IT systems, related training and guidance material, user management, configuration management, risk identification management and data validation.

Adeleke attended Igbobi College, Lagos and Abeokuta Grammar School, Abeokuta. An alumnus of the University of Ife. (now Obafemi Awolowo University (1981- 1985), he was called to the Nigerian Bar in 1986 and began his legal practice in the Chambers of Prince Bola Ajibola S.A.N & Co. He undertook the Qualified Lawyers Transfer Test for England & Wales at BPP Law School, Holborn, London in 1998 and was admitted as a Solicitor of the Supreme Court of England & Wales in 1999.

He has travelled extensively across four continents of the world and remains a staunch proponent of the global economy and believes that the continuous growth of the digital economy in Nigeria will be a major factor in the attainment of sustainable development for the country. Adeleke is married with children.



Mr. Clement Omeiza Baiye is a *Commissioner/ Member of the Board* of the *Nigerian Communications Commission*.

A native of Okene, Kogi State, Mr. Clement Baiye proceeded to the Ahmadu Bello University (ABU) Zaria, after successfully completing his primary and secondary education, where he obtained B.Sc, Political Science in the Upper Class Division in 1977. Thereafter, he joined the New Nigerian Newspaper in 1978 as a Diplomatic Correspondent/and Associate Editor.

In between his journalism career, he went to the United Kingdom for a Master's Degree programme at the University of Warwick, UK and obtained MA, International Studies in 1981. Between 1982 and 1984, he rose to become the Managing Editor/General Manager at the New Nigerian Newspapers before moving over to the banking industry where he took appointment as the Communications/Corporate Affairs Manager at NAL Merchant Bank Limited. He was promoted to the position of Head, Human Resource Management of the bank in 1987.

After a successful career at the NAL Merchant Bank, he was appointed a foundation director of Cornerstone Insurance from 1991 to 1999. He was thereafter, from 1999, appointed Chairman of the Board of Cornerstone Insurance until 2001. Within this period, he was also board member of Partnership Investment Company Ltd from 1992 to 2007.

Between 2003 and 2009, Mr. Baiye presided over the editorial affairs of the New Age Newspapers as the Chairman, Editorial Board.

In the course of his professional and management career, Mr. Clement Omeiza Baiye has also undertaken several high-profile management courses, including the Advanced Management Programme, Templeton College, Oxford, in 1988, and another at Haggai Leadership Centre in Singapore in 1998. In November 2015, Mr. Baiye undertook the Leadership and Finance Programme at the prestigious Harvard University Graduate School of Design.

Mr. Clement Baiye's foray in respected multidisciplinary careers has made him an icon of the boardroom. He is the Chairman of Habitat Trust Limited, a company developing housing estates in Ibadan, Lagos and Ikorodu. He is a media entrepreneur and human resource expert with extensive experience in corporate board matters and public affairs. Baiye is a member of the Council of Knowledge Experts of the Gerson Lehrman Group (GLG).

He currently serves on the boards of Capital Consortium Limited, Security Swaps Limited, and Regency Alliance Insurance Pic. He is Chairman of the Board of Trustees of Societal Positive Impact Initiative [SPIN] a non-governmental organization involved in mentoring the youth, and of Warwick University Nigeria Alumni Association.

Since 2001 when he established Verity Communications Ltd, a bespoke publishing outfit which produces publications on behalf of private and public sector organizations, he has presided over the affairs of the company as the Chief Executive Officer. He also looks after Verity Associates, a human capital outsourcing outfit.

With his impressive media career, human resource expertise, extensive boardroom

experience, Mr. Clement Baiye, a public affairs and policy analyst, with strong ties to the media, is a regular guest on radio, television networks and other media platforms. He is married with children.



Prof. Millionaire Freeborn Nestor Abowei is a ***Commissioner/ Member of the Board*** of the **Nigerian Communications Commission**.

An indigene of Angiamagbene, Bayelsa State, Prof. Abowei is a Chemical and Petrochemical Engineer, a University Lecturer, a consultant, a researcher, and an inventor with well over 60 articles published in several professional journals.

Prof. Abowei holds a Doctor of Philosophy (PhD) from the Rivers State University of Science & Technology (RSUST) in Chemical Engineering, where he had previously obtained his Higher National Diploma (HND) and Master of Technology (MTech) degree in Chemical/ Petrochemical Engineering.

Prof. Abowei's professional career spans stints in academia as a Lecturer at the RSUST, and in private industry as consultant to Shell Petroleum Development Company Limited, Willbros Limited, Texaco Overseas Petroleum Company Unlimited and as Chairman, Fibow Petroleum Environmental Consulting Limited.

Prof. Abowei is a member of the Port Harcourt Polo Club and a Chief in the Angiamagbene Council of Chiefs. He has interests in sports, travel, wrestling, reading and environmental issues. He is happily married with children.



Mr. Aliyu Saidu Abubakar is a *Commissioner/ Member of the Board* of the *Nigerian Communications Commission*.

Hailing from Bauchi State, Aliyu Saidu is an experienced technocrat, administrator, and mobilization expert. Academically trained at the Abubakar Tafawa Balewa University and the Professor Iya Abubakar Resource Centre, Bauchi, he has worked in numerous companies and organisations including S. A. Hawajo Enterprises Limited and NAL Merchant Bank. His career includes serving as General Manager/CEO Yankari Transport Corporation and Managing Director of Hydar Investment Nigeria Limited.

His interests include agriculture, politics, and ICT. He is happily married with children.



Mr. Salman Abdulazeez Muhammed is a *Commissioner/ Member of the Board* of the *Nigerian Communications Commission*.

An indigene of Kwara State, Salman Abdulazeez is an ICT expert with over fourteen (14) years' experience in coding, analytics, IT security, online collaboration, community service and entrepreneurship. Since 2000, Salman Abdulazeez has trained and mentored young persons in several educational institutions in ICT as a volunteer and coach.

Salman Abdulazeez obtained his BSc. from the University of Ilorin before proceeding to the Ladoke Akintola University of Science and Technology, Ogbomosho where he earned his Post Graduate Diploma and Master of Science (MSc.) degree.

He is currently CEO of Pinnacles, a social organization that specializes in preparing students in Information and Technology for UTME and JAMB Examinations.

His hobbies include travel, polo, reading and volunteering. He is happily married with children.



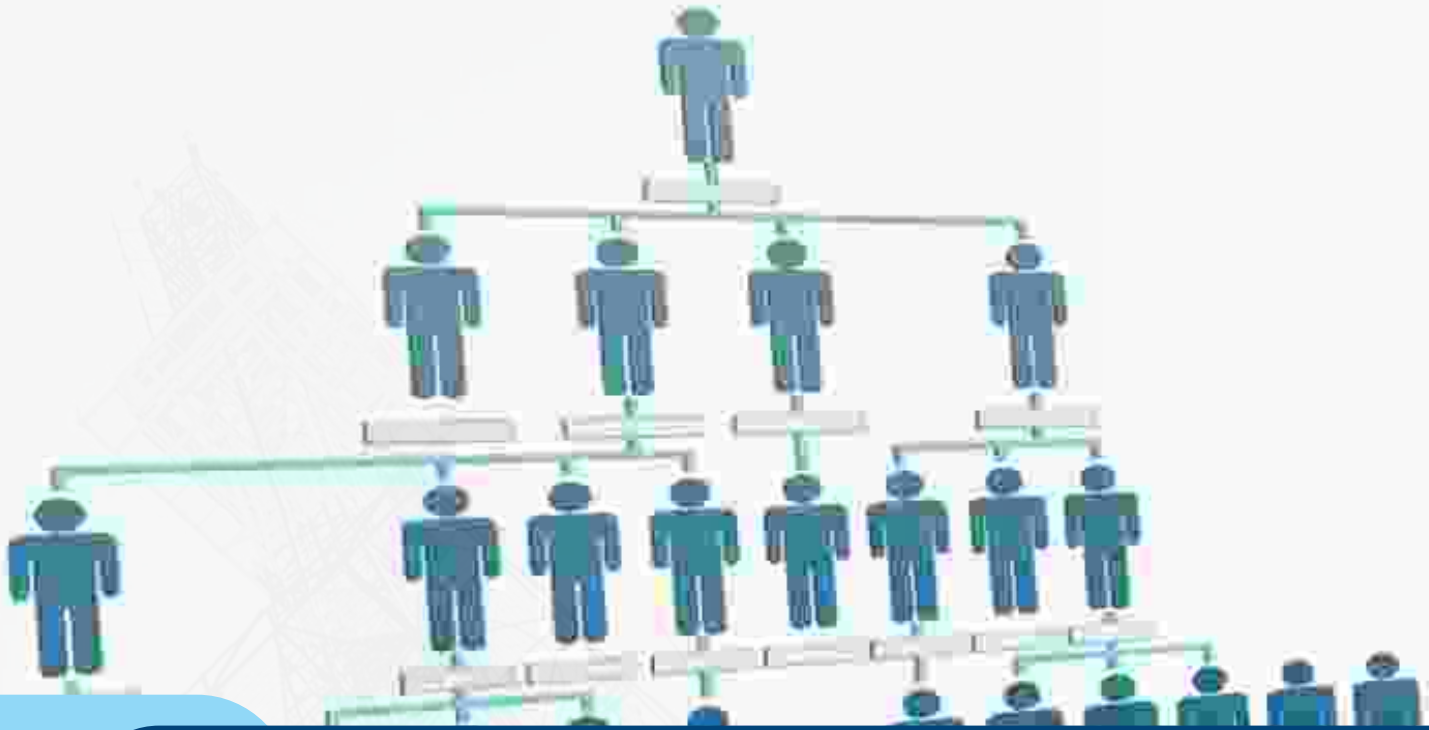
Chief Uche Onwude is a *Commissioner/Member of the Board* of the *Nigeria Communications Commission (NCC)*.

An indigene of Imo State, Onwude's rich and illustrious professional career, spanning over 18 years in the downstream Oil and Gas sector of the Nigerian economy, has seen him serve as Account Officer in MRS Oil and Gas Co. Ltd, Financial Controller and subsequently General Manager, Finance and Administration at Northwest Petroleum and Gas Company Ltd., and Managing Director/Chief Executive Officer at Aximites Energy Ltd.

Chief Onwude earned a BSc. in Accountancy from Enugu State University of Science and Technology and MBA from Nnamdi Azikiwe University. He has attended various courses, workshops and seminars on ICT, as well as numerous leadership and managerial courses, within and outside the country.

He is the Chairman of Omenka Foundation, a reputable Non-Governmental Organisation actively involved in education (providing scholarships) and health (providing medical interventions and outreaches) in rural areas. Onwude is a member of various professional bodies including, but not limited to, the African Business Roundtable, the Nigeria Institute of Management (Chartered), the Energy Institute (MEI) London. He is a United Nations Ambassador of Peace and has received various awards and recognitions of excellence, humanitarianism and philanthropy, including the African Business Roundtable's prestigious honour of Humanitarian/Inspirational Award of Excellence in Paris, 2015.

In 2018, Chief Onwude was appointed by President Muhammadu Buhari as a member, representing the South-East Zone on the Governing Board of the National Information Technology Development Agency (NITDA). He held this position until his appointment as Commissioner/Member of the Board of the Nigerian Communications Commission (NCC). He is happily married with a child.



NCC'S ORGANIZATIONAL STRUCTURE

3



NCC'S ORGANISATIONAL STRUCTURE

The Nigerian Communications Commission's organisational structure is comprised of the Governing Board of Commissioners, Office of Executive Vice Chairman (EVC), Office of the Executive Commissioner, Technical Services (ECTS), Office of the Executive Commissioner, Stakeholder Management (ECSM), and Twenty-one (21) Departments.

The Executive Vice Chairman (EVC) is the Chief Executive Officer of the Commission and directly oversees eleven (11) Departments: Commission Secretariat, Internal Audit, Human Capital and Administration, Public Affairs, Corporate Planning, Strategy and Risk Management, Policy Competition and Economic Analysis, Finance Services, Procurement, Universal Service Provision Secretariat, Special Duties and Digital Economy.

The ECTS directly supervises the Departments charged with the oversight of Technical Standards, Spectrum and Engineering issues governing the Nigerian Telecommunications Industry. The Departments are: Spectrum Administration, New Media and Information Security, Technical Standards and Network Integrity, Research and Development, Projects and Information Technology.

The ECSM directly oversees the Departments charged with addressing the needs of telecommunications industry stakeholders including vendors, service providers and consumers. The Departments under this office are Legal & Regulatory Services (L&RS), Compliance Monitoring & Enforcement (CME), Consumer Affairs Bureau(CAB), Licencing & Authorisation and Zonal Operations.

The organogram on the next page depicts the Commission's structure.

NCC'S ORGANOGRAM

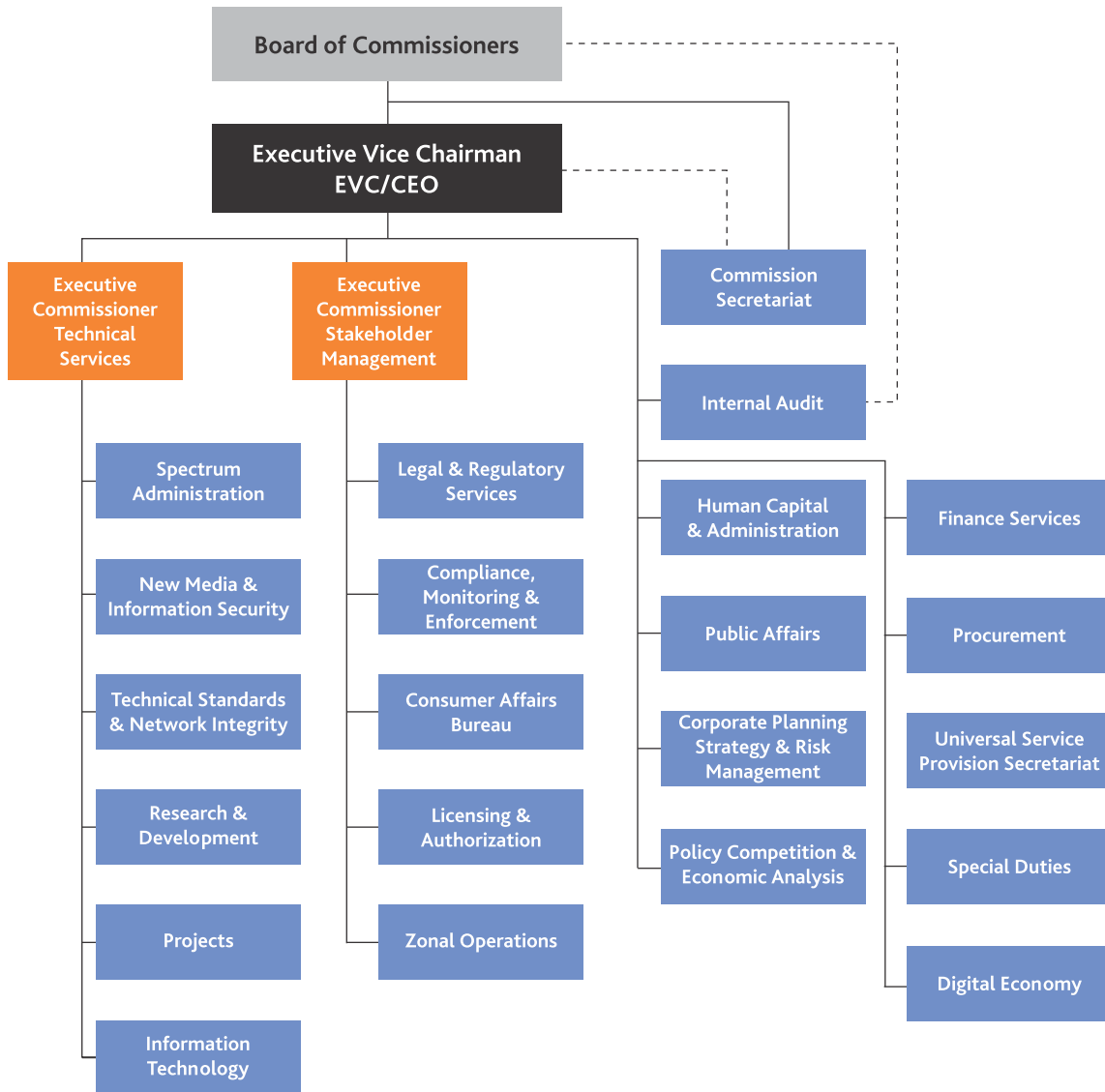


Figure 1: NCC Organogram



INDUSTRY STATISTICS

4



INDUSTRY STATISTICS

4.1 Annual Telecom Industry Statistics Performance Report

A quarterly comparison of the performance of the Telecoms Industry in the Year 2021 is presented in the table below:

Telecoms Industry Statistics: Q1 –Q4, 2021

S/N	Service Category	Q1 -21	Q2 - 21	Q3 -21	Q4 -21
1.	Mobile (GSM)	192,081,282	187,275,547	190,520,914	195,128,265
2.	Fixed Wired	105,480	105,904	106,401	106,385
3.	Vo IP	226,851	230,050	226,754	229,248
4.	Total	192,413,613	187,611,501	190,854,069	195,463,898
5.	Teledensity (190M) %	100.80	98.28	99.98	102.40
6.	Total Active Internet	144,949,194	140,175,169	140,275,459	141,971,560
7.	Broadband Penetration %	41.18	39.97	40.01	40.88
8.	Internet Usage (Terabyte)	238,598.44	273,128.11	301,001.54	353,118.89

Table 4.1: Telecoms Industry Statistics: Q1 –Q4, 2021

Active Voice Subscription: The review of the Q1 and Q2, 2021 indicated that the Total Active Voice subscription decreased from 192,413,613 in Q1, 2021 to 187,611,501 in Q2 of 2021. This implies a 2.50% loss in Total Active Voice subscriptions within the period. Teledensity also decreased from 100.80 in Q1 2021 to 98.28 in Q2 2021. The major decline in Operators' subscriber base was attributed to the continuous effect of suspension of SIM activation operations and churning activities (deactivation) of SIMs from their networks which is also reflected in the Active Internet Segment.

Active Internet Subscription: Total Active Internet Subscriptions declined from 144,949,194 in March 2021 to 140,175,169 as at June 2021. This indicates a percentage decline of 3.29% when compared with March 2021.

I. Q2-Q3, 2021

- a. **Active Voice Subscription:** A quarter-on-quarter comparative review of the Q2 and Q3 2021 indicates that the Total Active Voice subscription increased from 187,611,501 in Q2 2021 to 190,854,069 at Q3 of 2021. This indicates a 1.73% increase in Total Active Voice subscriptions within the period. Teledensity also increased from 98.28 in Q2 2021 to 99.98 in Q3 2021. The growth in subscriber base within the period was attributed to sustained marketing promotions, returning activations and improved network quality.

- b. **Active Internet Subscription:** Total Active Internet Subscriptions increased from 140,175,169 in June, 2021 to 140,275,459 as at September 2021. This indicates a slight percentage growth of 0.07% within the period under review.

ii. Q3-Q4, 2021

- a. **Active Voice Subscription:** a quarter on quarter comparative review of the Q3 and Q4 2021, indicates that the Total Active Voice subscription increased from 190,854,069 in Q3, 2021 to 195,463,898 in Q4 of 2021. This signifies a 2.42% growth in Total Active Voice subscriptions within the period under review. Teledensity also increased from 99.98 in Q3, 2021 to 102.40 in Q4, 2021.

Operators maintained that the reason for the growth in subscriber base within the period was attributed to sustained marketing campaigns across the country and improved network quality.

- b. **Active Internet Subscription:** Total Active Internet Subscriptions increased from 140,275,459 in September, 2021 to 141,971,560 as at December, 2021. This indicates a percentage growth of 1.21% within the period under review.

4.2 Active Voice and Internet Segments

The number of Total Active Voice Subscriptions recorded at the end of year 2021 was 195,463,898 subscriptions while Active Internet Subscription was 141,971,560. A year-on-year comparative review of the year 2020 and year 2021 reveals that the Total Active Voice subscription decreased from 204,601,313 in 2020 to 195,463,898 at the end of 2021. This indicates a 4.47% loss in Total Active Voice subscriptions within the period. The major decline in Operators' subscriber base was attributed to the continuous effect of suspension of SIM activation operations and churning activities (deactivation) of SIMs from their networks. Teledensity also decreased from 107.18 in December, 2020 to 102.40 December, 2021.

A graphical representation of the Active Voice and Internet Segments for the year 2021 is represented below in table 4.2, figure 4.1 and figure 4.2.

Telecoms Industry Statistics: December 2020 - December 2021

S/N	Service Category	Active Voice Subscribers		% Change
		Dec - 20	Dec -21	
1.	Mobile (GSM)	204,228,678	195,128,265	-4.46
2.	Fixed Wired	265,604	106,385	-0.60
3.	VoIP	245,165	229,248	-13.69
	Total	204,601,313	195,463,898	-4.47
4.	Teledensity (190M)	107.18	102.40	-4.46
5.	Total Active Internet	154,301,195	141,971,560	-7.99
6.	Broadband Penetration	45.02%	40.88%	-9.19

Table 4.2: P.S- Teledensity was calculated based on population estimate of 190 million (UN/ITU 2017 Nigerian population estimate)



Fig. 4.1: Trend of Total Active Voice Subscriptions (Q1 –Q4, 2021)



Fig. 4.2: Trend of Total Active Internet Subscriptions (Q1 – Q4, 2021)

4.3 Market Share of Service Deployment by Technology

During the period under review, the Mobile (GSM), Fixed Wired and Voice over Internet Protocol (VoIP) market segments accounted for 99.8%; 0.1%; and 0.1% respectively of the entire market share in terms of technology deployment. See Table 4.3 & Fig. 4.3 below;

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

Table 4.3: Percentage of Market Share of Service Deployment by Technology Q1 –Q4, 2021

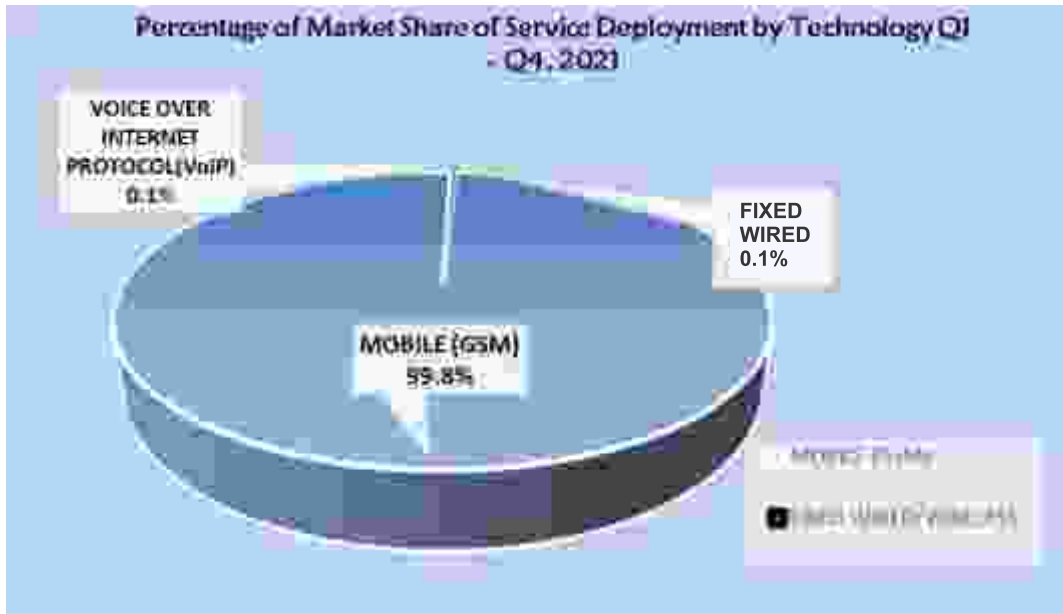


Fig 4.3: Market Share of Service Deployment by Technology Q1 –Q4, 2021

4.4 Broadband Penetration

The Broadband penetration figure for Q1 – Q4 2021 is illustrated in figure 4.4 below:



Fig. 4.4: Broadband Penetration Rate Q1 - Q4 2021

4.5 Internet Usage Summary:

The total volume of data consumed by subscribers from Q1 - Q4 is illustrated in figure 4.5 below.

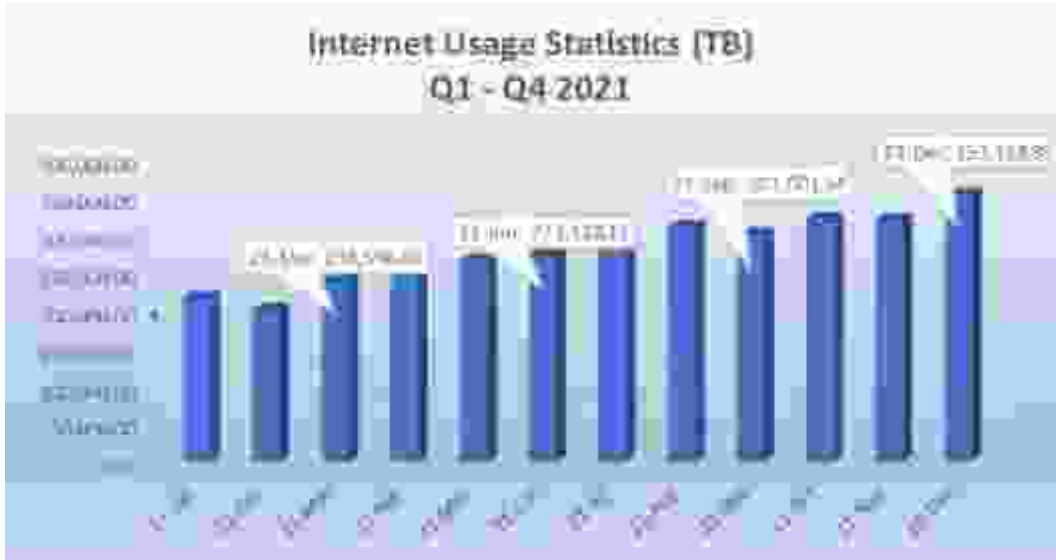


Fig 4.5: Internet Usage Statistics from Q1-Q4, 2021

4.6 Telecommunications and Information Services Sector's Contribution to Nigerian Gross Domestic Products (GDP) as at 4th Quarter, 2021.

The percentage contribution of the Telecommunications and Information Services sector to the GDP at the end of fourth Quarter (Q4), 2021 was 12.61%. This information is derived from the latest quarterly publication of the Gross Domestic Product (GDP) report as released by the National Bureau of Statistics (NBS).

In terms of financial value, as extracted of the NBS GDP report, the Telecommunications, and Information Services contribution to the Nation`s GDP increased from 2.463 Trillion Naira in the Fourth Quarter (Q4), 2020 to 2.563 Trillion Naira as at Fourth Quarter (Q4), 2021. This is approximately 5.3% increase in terms of value of GDP for the period under consideration.

Qtrs.	Q1'20	Q2'20	Q3'20	Q4'20	Q1'21	Q2'21	Q3'21	Q4'21
Percentage Contribution	10.88	14.30	11.20	12.45	11.66	14.42	11.94	12.61

Table 4.4: Percentage Contribution of the Telecommunications Sector to GDP (Q1. 2020–Q4, 2021)

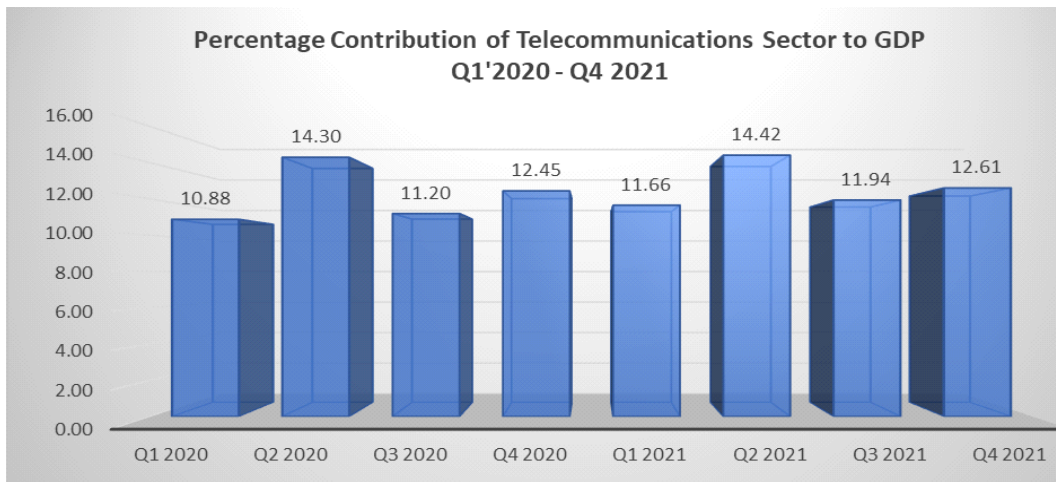


Fig 4.6: Percentage Contribution of the Telecommunications Sector to GDP (Q4, 2019–Q4, 2021) Source: National Bureau of Statistics (NBS) website

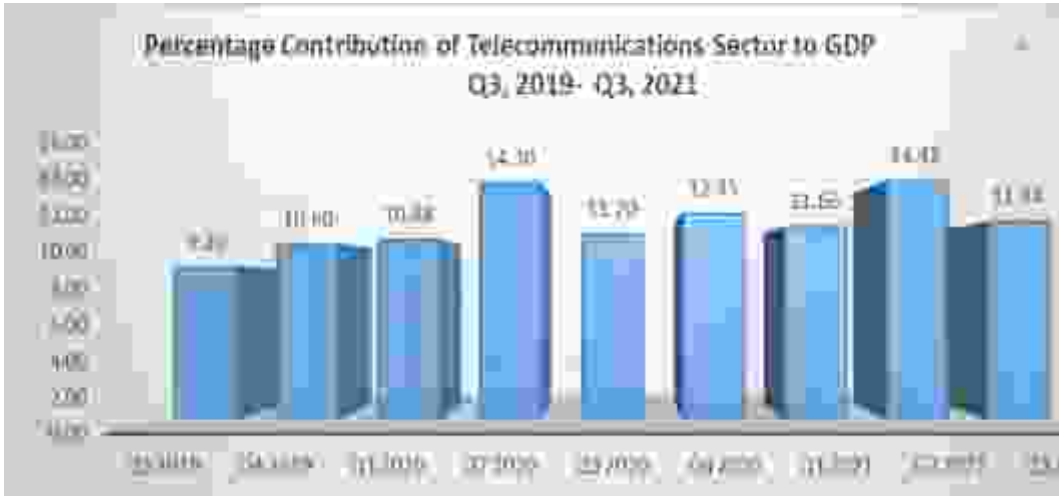


Fig 4.7: Percentage Contribution of the Telecommunications Sector to GDP (Q3, 2019– Q3, 2021) Source: National Bureau of Statistics (NBS) website

4.7 Internet Service Providers statistical analysis Q4, 2020– Q4, 2021

During the period under review, questionnaires were administered to 125 operational Internet Service Providers for submission of subscriber/network statistical data in year 2021.

S/N	INDICATORS	Q4, 2020	Q4, 2021	% CHANGE Q4, 2020 –Q4,2021
1.	Total Connected Internet Subscriptions	305,255	316,740	3.8
2.	Total Active Subscriptions	184,075	179,668	(2.3)
3.	Point of Presence (PoP)	1,450	1,843	27
4.	Number Of Responses from Submissions Made by ISPs	55	80	45

Table 4.6: Analysis of Internet Service Providers Segment (Q4, 2020– Q4, 2021)

- i. Total number of Connected Internet subscriptions increased to **316,740** in the 4th Quarter, 2021 from **305,255** recorded in the 4th Quarter, 2020 indicating a **3.8%** increase within the reporting period.
- ii. Total number of Active Internet subscriptions decreased to **179,668** in 4th Quarter, 2021 from **184,075** recorded in the 4th Quarter, 2020 indicating a **2.3%** decline within the reporting period.
- iii. Point of Presence increased to **1,843** in the 4th Quarter, 2021 from **1,450** in the 4th Quarter, 2020 indicating an increase of **27%** in PoPs.



COMPETITION AND TARIFF ADMINISTRATION

5



COMPETITION AND TARIFF ADMINISTRATION

5.1 Tariff Administration

The Nigerian Communications Commission is mandated with the administration of tariff, promotion of fair competition, protection against misuse of market power and any other anti-competitive practices in the communications sector. The Commission is also responsible for the provision of a competitive environment for the Telecommunication industry through the deployment of rigorous screening of licensees and scrutiny of tariff requests to ensure compliance with all enabling laws, guidelines, and international best practices.

A total number of one hundred and eighty (180) tariff requests were processed for Tier 1 and Tier 2 Operators during the year, 2021. MTN submitted the highest number of requests (95) at 53%, followed by Airtel (35) at 19%, 9MOBILE (25) at 14%, Globacom (8) at 5%. Both Smile and Spectranet are at 4% with (8) submissions respectively whilst NTEL is at 1% with only (1) submission.

Applications made for new tariff offerings and modifications to existing tariffs within the year under review are shown below:

i. MTN COMMUNICATIONS LIMITED:

During the year 2021, the Commission processed ninety-five (95) tariff applications from MTN. The table below depicts the breakdown of status of tariff requests/modification/renewal during the period under review:

Total Application Submitted	New Tariff Requests & Promo	Tariff Modifications /Renewal/ Revalidation	Approved Tariffs/Promo/ Modification/ Renewal/ Revalidation	Declined Request	Total Approved Tariff/ Modifications/ Promo
95	22	73	89	6	89

ii. AIRTEL NETWORKS LIMITED:

During the year 2021, the Commission processed thirty-five (35) tariff applications from Airtel. The table below illustrates the breakdown of status of tariff requests/ modification/renewal during the period under review:

Total Application Submitted	New Tariff Requests & Promo	Tariff Modifications /Renewal/ Revalidation	Approved Tariffs/Promo/ Modification/ Renewal/ Revalidation	Declined Request	Total Approved Tariff/ Modifications/ Promo
35	8	27	33	2	33

iii. GLOBACOM

During the year 2021, the Commission processed eight (8) tariff applications from Globacom. The table below demonstrates the breakdown of status of tariff requests/ modification/promo during the period under review:

Total Application Submitted	New Tariff Requests & Promo	Tariff Modifications /Renewal/ Revalidation	Approved Tariffs/Promo/ Modification/ Renewal/ Revalidation	Declined Request	Total Approved Tariff/ Modifications/ Promo
8	2	6	7	1	7

iv. EMERGING MARKETS TELECOMMUNICATIONS SERVICES LIMITED (EMTS)

During the year 2021, the Commission processed twenty-five (25) tariff applications from EMTS. The table below shows the breakdown of status of tariff requests/ modification/promo during the period under review:

Total Application Submitted	New Tariff Requests & Promo	Tariff Modifications /Renewal/ Revalidation	Approved Tariffs/Promo/ Modification/ Renewal/ Revalidation	Declined Request	Total Approved Tariff/ Modifications/ Promo
25	18	7	23	2	23

v. SMILE COMMUNICATIONS

During the year 2021, the Commission processed 8 tariff applications from SMILE. The table below depicts the breakdown of status of tariff requests/ modification/promo during the period under review:

Total Application Submitted	New Tariff Requests & Promo	Tariff Modifications /Renewal/ Revalidation	Approved Tariffs/Promo/ Modification/ Renewal/ Revalidation	Declined Request	Total Approved Tariff/ Modifications/ Promo
8	4	4	8	0	8

vi. NATCOM COMMUNICATIONS (NTEL)

During the year 2021, the Commission processed 1 tariff application from NTEL. The request was approved.

Total Application Submitted	New Tariff Requests & Promo	Tariff Modifications /Renewal/ Revalidation	Approved Tariffs/Promo/ Modification/ Renewal/ Revalidation	Declined Request	Total Approved Tariff/ Modifications/ Promo
1	1	0	1	0	1

vii. SPECTRANET

During the year 2021, the Commission processed 8 tariff applications from Spectranet. The table below depicts the breakdown of status of tariff requests/ modification/promo during the period under review:

Total Application Submitted	New Tariff Requests & Promo	Tariff Modifications /Renewal/ Revalidation	Approved Tariffs/Promo/ Modification/ Renewal/ Revalidation	Declined Request	Total Approved Tariff/ Modifications/ Promo
8	6	2	8	0	8

5.2 Tariff Breakdown Analysis

The charts below displays volume of tariff applications processed during the period under review.

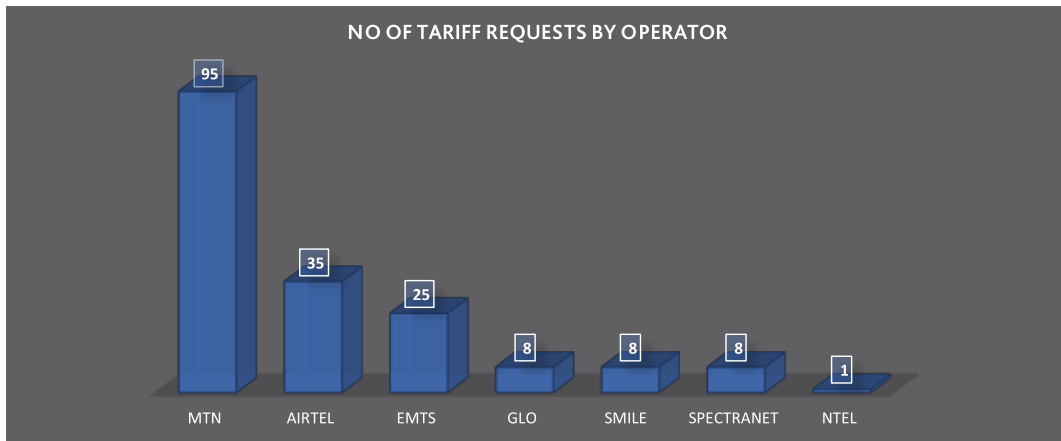


Fig 5.1: No of Tariff Requests by Operator

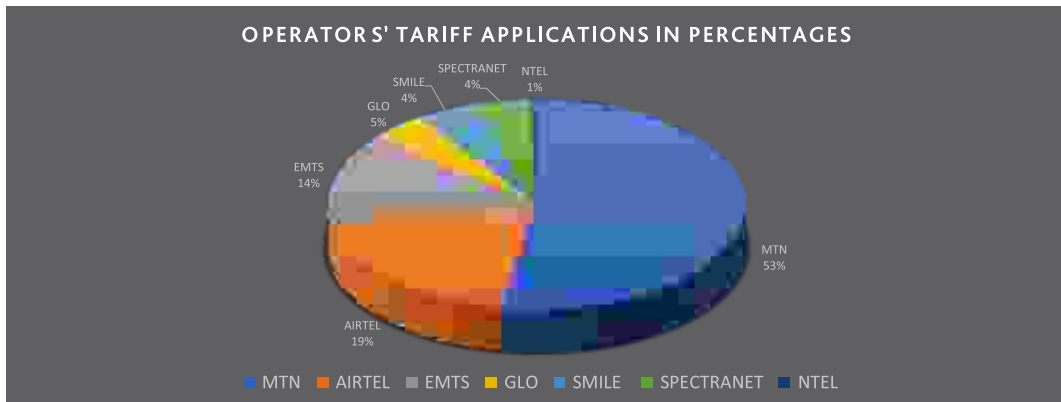


Fig 5.2: %Tariff Application by Operators

5.3 Tariff/Pricing Request for Value Added Services (VAS) Operators

During the year 2021, the Commission received two hundred and twenty-two (222) Pricing approval requests from VAS Operators. One hundred and ninety-nine (199) requests were approved whilst twenty- three (23) requests were declined. Factors such as improper documentation, absence of support documents, lack of MoU with the Mobile Network Operators (MNOs), expired Shortcodes among others were the reasons for the decline.

5.4 Cost Based Study on the Determination of Mobile (Voice) International Termination Rate (ITR)

On June 8, 2021, the Commission convened a final virtual industry stakeholder forum with operators and stakeholders where the findings of the Cost Study were presented to the industry stakeholders. On November 25, 2021 the Board of the Commission approved the issuance of the Determination as summarised below:

- ❖ The International Termination Rate for voice services paid by overseas carriers for terminating international calls on local networks in Nigeria shall be 0.045 United States Dollars (USD).
- ❖ The 0.045 USD is the floor price for ITR services. Operators will be free to negotiate a rate above the floor rate and it is dependent on commercial negotiations between the operators and international carriers/partners.
- ❖ The ITR will be paid in USD, so operators will receive an increasing rate in Naira terms should devaluation continue.

The final Determination has been officially communicated to the industry and published on the Commission's website. The Determination took effect from January 1, 2022.

5.5 Implementation of the Accounting Separation Framework in the Nigerian Telecommunications Industry

The Accounting Separation (AS) Framework outlines the key principles and guidelines required for the preparation and submission of Operator's Regulatory Financial Statements (RFS). The Commission's key objectives in implementing the AS framework are to:

- ❖ Provide an environment which fosters open and transparent financial reporting within the industry
- ❖ Assist the Commission in the monitoring of Operators' compliance with regulatory obligations
- ❖ Identify and prevent any undue discrimination or practices that substantially lessen competition such as cross-subsidization, margin squeezes etc.

Telecoms licensees are obligated to submit their Financial Statements prepared in accordance with the requirements of the Accounting Separation framework to the Commission, within seven months after the end of the licensees' financial year. This is, however, limited to, and mandatory for only six telecom licensees (Airtel Nigeria, MTN Nigeria, Emerging Markets Telecommunications Services Limited (EMTS/9Mobile), Globacom Nigeria, Main One Cable Company Limited and IHS Nigeria) and it will be enforced for an initial period of two years after which other Operators may be added to the list.

The Commission commenced full implementation of the Framework on July 15, 2021, with the aim of keeping the accounting for different businesses or parts of businesses within companies

separate so that costs and revenues can be clearly identified with their associated enterprise. As of December 2021, the RFS of the following Operators were reviewed and found to be compliant

- a. Airtel Nigeria
- b. Emerging Markets Telecommunications Services Limited (9Mobile)
- c. Globacom Nigeria
- d. IHS Nigeria
- e. Main One Cable Company Limited
- f. MTN Nigeria

5.6 Introduction of Administrative Fees for Processing of Tariff Modifications and Revalidation

The Commission introduced administrative fees for the modification and revalidation of Tariff approvals with effect from 1st July, 2021 as follows:

	Revalidation of Tariff Approval	Modification of Tariff Approval
UASL	₦250,000	₦350,000
VAS & Other Operators	₦ 100,000	₦ 100,000

5.7 Key Competition Related Activities In 2021

S/N	DESCRIPTION	STATUS
1.	Regulatory Intervention to address SWAP Telecoms Petition of Alleged Anti-Competitive Activities by IHS in the Infrastructure and Collocation Market Segment	Further to the Commission's extensive engagement and investigation of SWAP Technologies and Telecomms Plc (SWAP)'s petition against IHS Nigeria Limited (IHS) which bordered on allegations of anti-competitive activities in the collocation market segment, the Commission approved IHS request - that it be allowed to continue to maintain and manage the 180 sites was approved on the condition that IHS will not be entitled to host on those sites, customers that SWAP already has on its own sites that are in proximity.
2.	Anti-Competition Petition submitted by PREC PEARL Nigeria Limited against Huawei Technologies Company Nigeria Limited	<p>The Commission received a petition from PREC PEARL Nigeria Limited (PPL) which conveyed its complaint of alleged anti-competitive behavior by Huawei Technologies Company Nigeria Limited (Huawei) as it relates to the contract agreement executed with Huawei for the maintenance of Fibre cable segments on MTN infrastructure.</p> <p>Following extensive review of the Petition and the supporting documents provided by the parties the following resolutions were reached:</p> <ol style="list-style-type: none"> 1. The investigation of PREC PEARL Nigeria Limited's complaint of alleged anti-competitive behaviour by Huawei Technologies Company Nigeria Limited as it relates to the contract agreement executed for the

S/N	DESCRIPTION	STATUS
		<p>maintenance of Fibre cable segments on MTN infrastructure be closed</p> <p>2. The parties were also advised that they could approach a court of competent jurisdiction to determine whether there has been a breach of contract as the crux of the issues between Huawei and PPL borders on how either party perceives the performance of their respective contractual obligations; and</p> <p>3 As part of the Commission's periodic competition assessment, it should take a further look at the allegation which suggests that bigger operators in this market segment compel smaller operators to sign onerous/anti-competitive agreements that preclude them from effectively competing with the bigger operators. Letters dated March 22, 2021 were subsequently written to the Parties communicating the Commission's decision on the matter.</p>
3.	Review of the Request for Intervention Against Alleged Sabotage of EMTS Business	<p>Following EMTS's submission of a request for the Commission's intervention against the alleged sabotage of its business by IHS, a meeting between the Executive Management of the Commission, EMTS and IHS was convened on April 14, 2021 to address the issue.</p> <p>Further to the mediation meeting conveyed by the Commission to address the dispute resulting from EMTS's outstanding debt to IHS Nigeria Limited (IHS) which led to the shutdown of its sites, the parties agreed on actions that would be taken after the mediation meeting in a bid to resolve the matter. Some of the issues agreed upon include new payment timelines/schedules, further concession/reduction of the amounts owed and IHS powering the sites that were shut down.</p> <p>However, EMTS subsequently wrote to the Commission again noting that while it had made substantial progress in relation to the resolutions reached at the mediation meeting, IHS was not forthcoming. As such, it required the Commission's further intervention to address the matter. The matter is still ongoing.</p>
4.	Development of a Reference Offer Template for Licensees in the Collocation & Infrastructure Sharing Market Segment	<p>The Commission concluded the development of Reference Offer template and copies were forwarded to Licensees in the market segment via letters dated July 15th, 2021. This Reference Offer template will serve as a guide for Licensees in the Collocation and Infrastructure Sharing market segment to fulfil Condition 2.1 of the Infrastructure Sharing and Collocation Services License which states that 'Licensee shall lodge with the Commission for its approval, a Reference Offer and Standard Practice List (or revision thereto) (<i>the Reference Offer</i>)', which sets out the standard of services that the Licensee proposes to offer or is offering".</p>
5.	Implementation of Economic Community of West African States (ECOWAS) Regulation on Roaming on Public Mobile Communications Network in the ECOWAS Region	<p>A take-off meeting of the Industry Working Group (IWG) was held on March 24, 2021. It was, however, noted that in addition to the constitution and operationalization of the (IWG, the provisions of the ECOWAS Regulation on Roaming</p>

S/N	DESCRIPTION	STATUS
		on Public Mobile Communications Networks in the ECOWAS Region require each Member State in the Region to set-up an Anti-Fraud Committee as a sub-set of the IWG. In view of this, an anti-fraud sub-committee comprising representatives of all MNOs and the Commission was constituted to address issues around fraud relating to the implementation of the ECOWAS Roaming initiative in Nigeria. An Action Plan was subsequently prepared to guide the work of the IWG and Anti-fraud committee. Both groups have commenced work.
6.	African Continental Free Trade Area (AfCFTA)	Further to Nigeria's endorsement of the African Continental Free Trade Area (AfCFTA) Agreement, the Commission participated at the Stakeholder Consultative Meetings organised by the Nigerian Office for Trade Negotiation (NOTN). The meetings were part of the domestic consultation process to harness inputs from relevant MDAs and Stakeholders to develop the Nigerian position to guide the country's participation in the working procedures for the implementation of the African Continental Free Trade Area (AfCFTA) Agreement at the continental level.
7.	Development of a Pricing Mechanism and Cost-Based Structure for Sharing of Duct Built Under the "Dig Once Policy":	The project is underway in line with the Commission's responsibility matrix in the Nigerian National Broadband Plan 2020-2025 (NNBP) to develop a Dig Once policy. The policy sets standards for the provision of ready-made buried conduits, enabling future providers to install fibre easily and cheaply by threading it through existing conduits.
8.	Study on the Level of Competition in the Collocation & Infrastructure Sharing Market Segment	The consultancy study has been awarded to Messrs. PwC and is expected to kick-off by the 1st quarter of 2022.



CONSUMER AFFAIRS

6



CONSUMER AFFAIRS

6.1 Complaints Management

A total of 10,635 Consumer complaints were received, reviewed, analyzed, and escalated to the respective Service Providers for prompt resolution. These complaints were received via the NCC Complaint Channels. The NCC Contact Centre received the highest number of complaints with 88.05% of the total complaints received with 9,364 consumer complaints, NCC Consumer Portal had 930 (8.74%), NCC Social Media Platforms (NCC Facebook and NCC Twitter) with 257 (2.42%) and Written Complaints had 84 (0.79%) consumer complaints.

Complaint Channels	Complaints Received	%
NCC Contact Center	9,364	88.05
NCC Consumer Portal	930	8.74
NCC Social Media Platforms (NCC Facebook and NCC Twitter)	257	2.42
Written complaints	84	0.79
Total	10,635	100%

Table 6.1: Breakdown of the Consumer Complaints Received by Complaint Channels

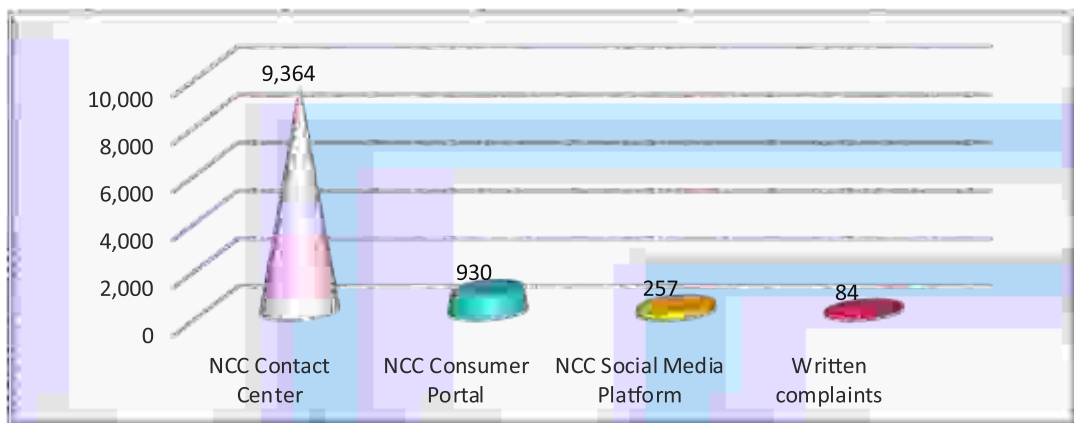


Fig. 6.1: Breakdown of the Consumer Complaints Received by Complaint Channels

6.2 Complaints by Service Providers Received from all Channels (the NCC Contact Centre, NCC Consumer Portal, Written Complaints and NCC Social Media)

The analysis below gives a breakdown of Complaints received by Service Providers which are the NCC Contact Centre, NCC Consumer Portal, Written Complaints and NCC Social Media Platforms. The analysis revealed that MTN has the highest number of complaints received with 4,451 consumer complaints which represents 41.85% of the total complaints received. This is followed by Airtel with 3,739 (35.16%), Glo 1,583 (14.88%) and 9Mobile with 608 (5.72%) amongst others.

Service Providers	Received	%
MTN	4451	41.85
AIRTEL	3739	35.16
Glo	1583	14.88
9Mobile	608	5.72
Ntel	30	0.28
Smile	47	0.44
Spectranet	58	0.55
Swift	7	0.07
Tizeti	59	0.55
NGComms	17	0.16
Suburban (Legend)	1	0.01
IPNX	1	0.01
Others	34	0.32
Total	10,635	100

Table 6.2: Complaints by Service Providers from all Complaint Channels

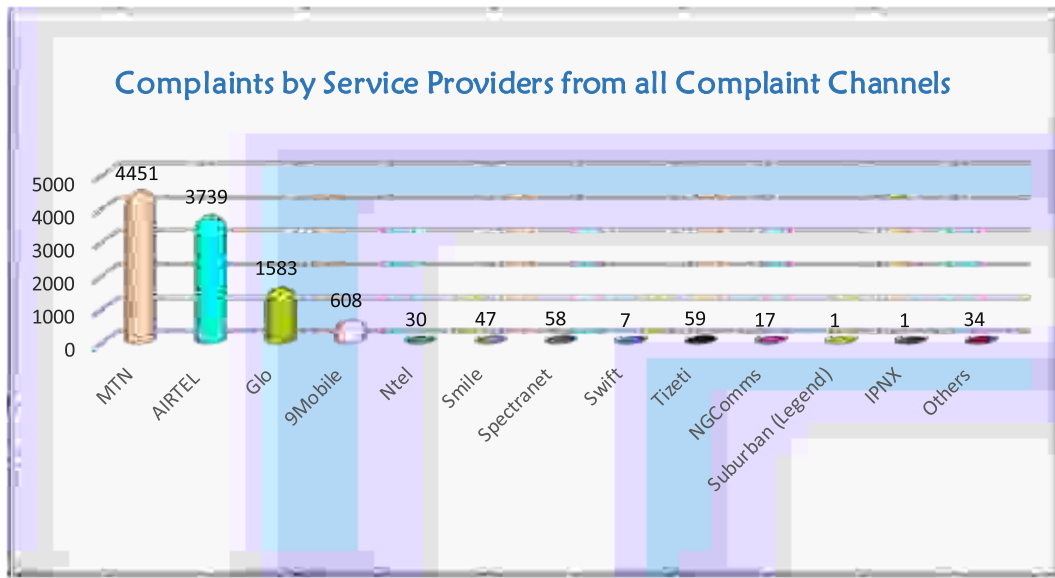


Fig 6.2: Complaints by Service Providers from all Complaint Channels

Service Providers	Received	Resolved	Resolved %	Pending	Pending %
MTN	4,451	4,405	98.97	46	1.03
AIRTEL	3,739	3,711	99.25	28	0.75
Glo	1,583	1,581	99.87	2	0.13
9Mobile	608	600	98.68	8	1.32
Ntel	30	29	96.67	1	3.33
Smile	47	46	97.87	1	2.13
Spectranet	58	55	94.83	3	5.17
Swift	7	7	100.00	0	0.00
Tizeti	59	58	98.31	1	1.69
NGComms	17	17	100.00	0	0.00
Suburban (Legend)	1	0	0.00	1	100.0
IPNX	1	1	100.00	0	0.00
Others	34	30	88.24	4	11.76
Total	10,635	10,540	99.11	95	0.89

Table 6.3: Status of Complaints by Service Providers from all Complaint Channels

Complaint Types	Received	%
Billing	3,670	34.51
Call Center or Customer Care	294	2.76
QoS/Experience (Voice)	1,595	15.00
Faulty Terminal	35	0.33
BTS Issues	31	0.29
QoS/ Experience (Data)	1,653	15.54
Sales Promotions & Advertisements	186	1.75
Recharge/Top -up issues	712	6.69
SMS/MMS	176	1.65
Other SIM related issues	678	6.38
SIM replacement	410	3.86
Value Added Services	642	6.04
Mobile Number Portability	63	0.59
Do Not Disturb	395	3.71
International Roaming	3	0.03
Others	92	0.87
TOTAL	10,635	100

Table 6.4: Type of Complaints by Service Providers from all Complaint Channels

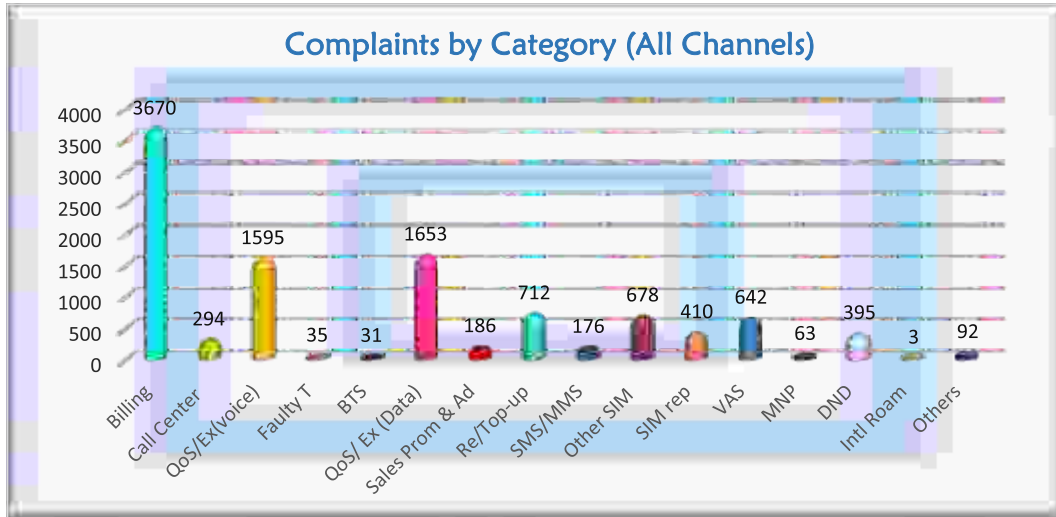


Fig 6.3: Type of Complaints by Service Providers from all Complaint Channels

Complaint Type	Received	Resolved	% Resolved	Pending	% Pending
Billing	3,670	3,660	99.73	10	0.27
Call Center or Customer Care	294	293	99.66	1	0.34
QoS/Experience(voice)	1,595	1,592	99.81	3	0.19
Faulty Terminal	35	34	97.14	1	2.86
BTS Issues	31	31	100.0	0	0
QoS/ Experience (Data)	1,653	1,630	98.61	23	1.39
Sales Promotions & Advertisements	186	186	100	0	0
Recharge/Top -up issues	712	708	99.44	4	0.56
SMS/MMS	176	174	98.86	2	1.14
Other SIM related issues	678	666	98.23	12	1.77
SIM replacement	410	379	92.44	31	7.56
Value Added Services	642	638	99.38	4	0.62
Mobile Number Portability	63	61	96.83	2	3.17
Do Not Disturb	395	393	99.49	2	0.51
International Roaming	3	3	100.00	0	0.00
Fraud	0	0	0	0	0
Others	92	92	100	0	0
TOTAL	10,635	10,540	99.11	95	0.89

Table 6.5: Breakdown of Complaints Received from all Channels

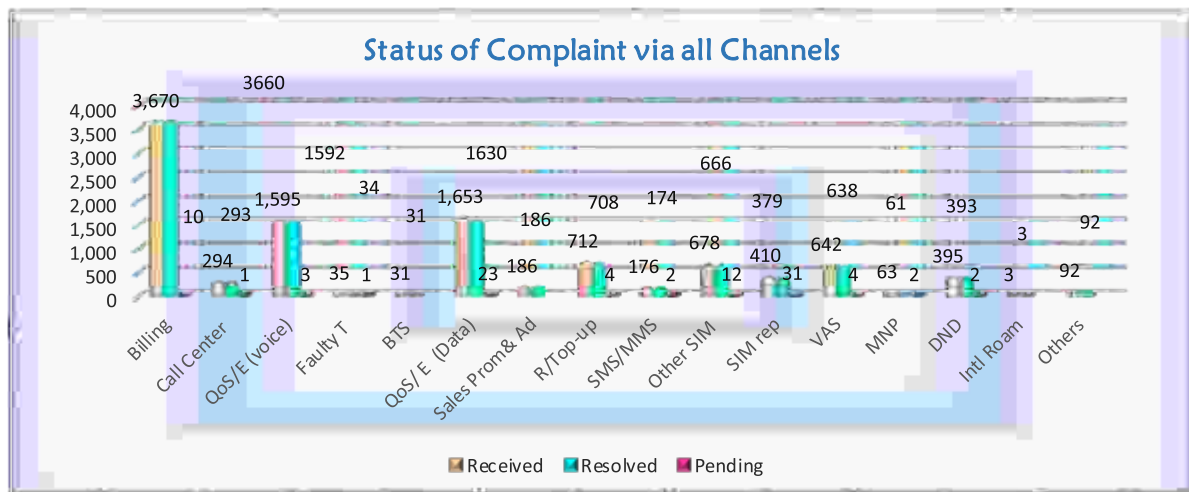


Fig 64: Complaints Received from All Channels by Complaint Category for 2021

6.3 Comparing Complaints Management in 2020 Vs 2021

S/N	COMPLAINT CHANNEL	COMPLAINTS 2020	COMPLAINTS 2021	DECREASE / INCREASE IN NUMBER (2019 VS 2020).	RESOLUTION RATE 2020	RESOLUTION RATE 2021	IMPROVEMENT RATE IN COMPLAINT RESOLUTION IN 2020 VERSUS 2019
1	NCC Contact Centers 622	11,327	9,364	A decline of 1,963 (17.3%) in the number of complaints received in 2021 against that received in 2020 was observed.	99.10%	99.50%	An increase of 0.4% in the complaints resolution rate was observed .
2	NCC Consumer Portal	1059	930	Consumer complaints decreased by 129 (12.2%) for 2021 against that received in 2020.	99.53%	99.70%	0.17% improvement in 2021
3	NCC Social Media Platforms	362	257	Decrease in number of complaints by 105 (29%) in 2021	97.20%	93.00%	4.2% decline in 2021
4	Written Complaints	49	84	Increase in the number of complaints by 35 (71.4%) in 2021.	90%	63%	A decline of 27% in 2021.
5	Total Complaints	12,797	10,635	Decrease in number of complaints by 2,162 (16.9%) in 2021	99.10%	99.11%	0.01% improvement in in complaint resolution rate in 2021 compared to 2020

Table 6.6: Comparison of Complaints Received in 2020 and 2021

6.4 First Level Complaints Status Received from Service Provider

MTN has the highest number of complaints received with 3,117,315 consumer complaints which represents 51.0% of the total complaints received. This is followed by Airtel with 1,326,153 (22.0%), Glo 741,140 (12.0%), 9Mobile with 647,275 (11.0%), Spectranet 163,379 (3.0%), Smile 37,422 (1.0%), Ntel 28,241 (0.1%) and Tizeti 33,523 (1%). 5,543,318 (91.0%) of the total complaints received were resolved while 551,130 (9.0%) are pending. The analysis below gives a breakdown of Complaints received at first level by Service Providers:

Service Providers	No Complaints	%
MTN	3,117,315	51%
Airtel	1,326,153	22%
Glo	741,140	12%
9mobile	647,275	11%
Spectranet	163,379	3%
Smile	37,422	1%
Ntel	28,241	0.1%
Tizeti	33,523	1%
Total	6,094,448	100%

Fig 6.5: Analysis of Complaints by Service Providers First Level

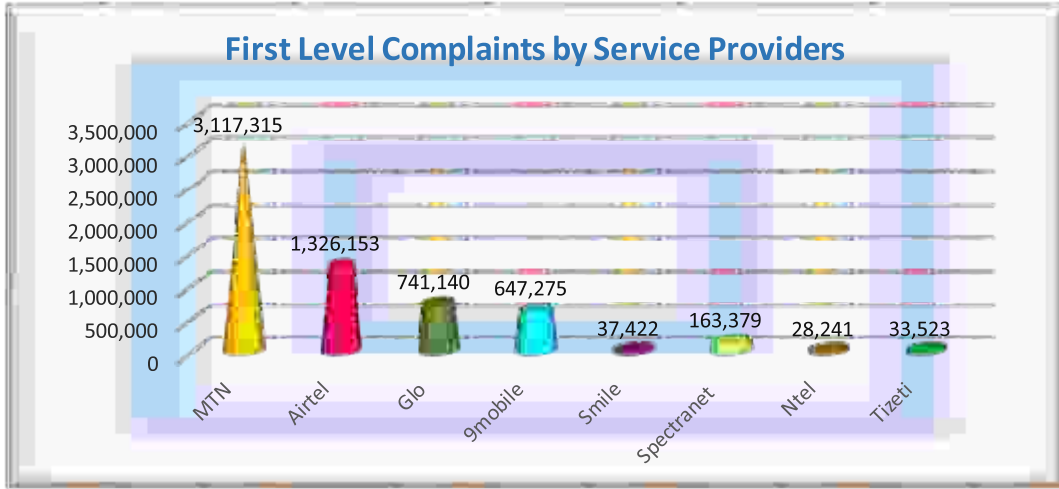


Fig 6.5: Analysis of Complaints by Service Providers First Level

Service Providers	Received	Resolved	% Resolved	Pending	% Pending
MTN	3,117,315	2,676,673	86%	440,642	14%
Airtel	1,326,153	1,326,153	100%	0	0%
Glo	741,140	651,507	88%	89,633	12%
9mobile	647,275	645,187	99.7%	2,088	3.0%
Smile	37,422	35,963	96%	1,459	4%
Spectranet	163,379	146,228	90%	17,151	10%
Ntel	28,241	28,239	99.9%	2	0.01%
Tizeti	33,523	33,368	99.5%	155	5.00%
Total	6,094,448	5,543,318	91%	551,130	9%

Table 6.7: First Level Complaints Status Received from Service Provider

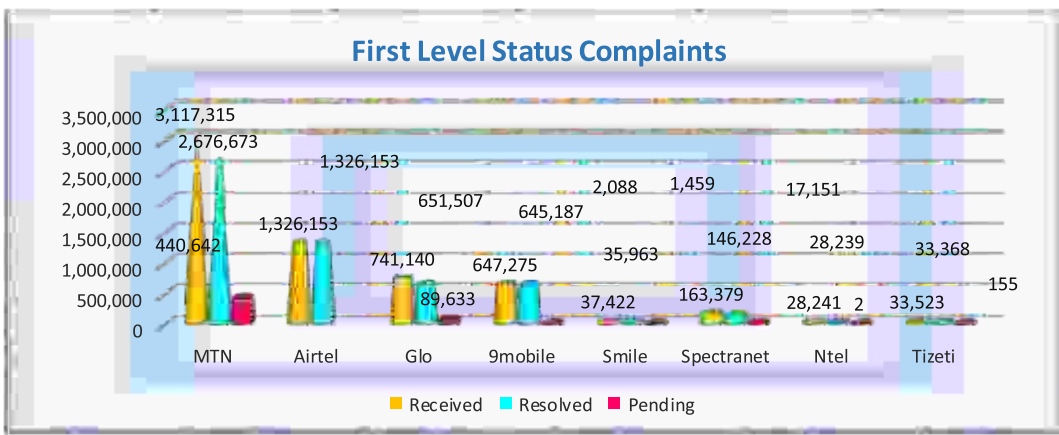


Fig 6.6: First Level Status Complaints

Complaint Types	Received	Resolved	% Resolved	Pending	% Pending
Billing	575,685	528,906	92%	46,779	8%
Call Center or Customer Care	0	0	0%	0	0%
QoS/Experience(voice)	1,489,111	1,402,816	94%	86,295	6%
Faulty Terminal	0	0	0%	0	0%
BTS Issues	0	0	0%	0	0%
QoS/ Experience (Data)	2,143,826	1,909,028	89%	234,798	11%
Sales Promotions & Advertisements	0	0	0%	0	0%
Recharge/Top -up issues	1,557,333	1,384,463	89%	172,870	11%
SMS/MMS	0	0	0%	0	0%
Other SIM related issues	236,465	231,373	98%	5,092	2%
SIM replacement	91,830	86,534	94%	5,296	6%
Value Added Services	0	0	0%	0	0%
Mobile Number Portability	0	0	0%	0	0%
Do Not Disturb	0	0	0%	0	0%
International Roaming	0	0	0%	0	0%
Others	198	198	100%	0	0%
TOTAL	6,094,448	5,543,318	91%	551,130	9%

Table 6.8: First Level Complaints Category

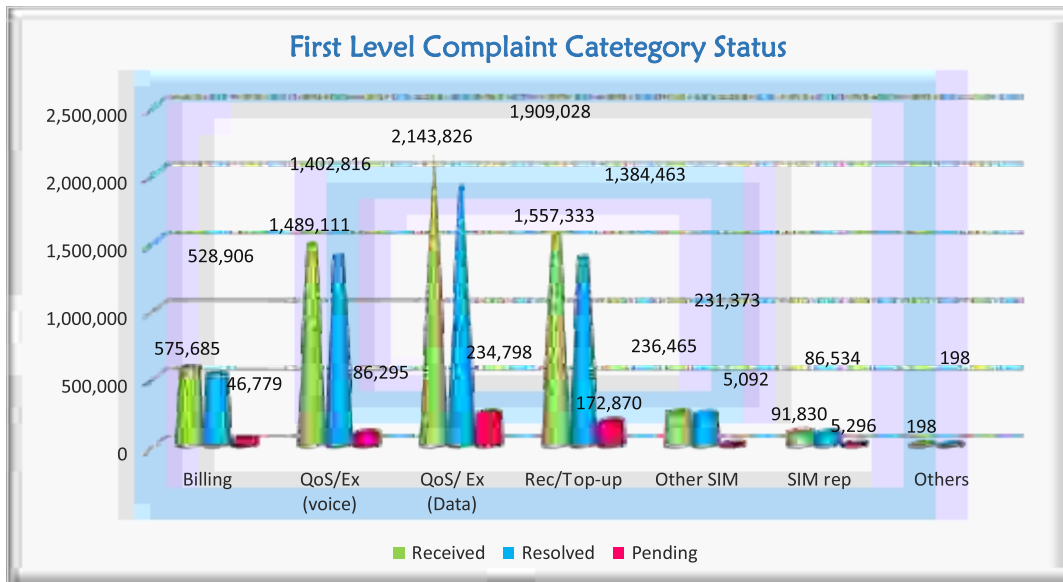


Fig 6.7: Representation of First Level Complaints Category

6.5 NCC Complaints vs Service Providers' First Level Complaints

Below is a tabular representation of Complaints and Complaints Category received from all NCC Complaints' Channels in comparison to complaints received at First Level by Service Providers. It can be observed that complaints received from NCC Complaints via all Channels is 0.17% (10,635) of the total Complaints (6,094,448) received at First Level by the Service Providers for the period under review.

Service Provider	NCC Channels	NCC Channels %	SP	SP %
MTN	4,451	0.14%	3,117,315	99.86%
AIRTEL	3,739	0.28%	1,326,153	99.72%
Glo	1,583	0.21%	741,140	99.79%
9Mobile	608	0.09%	647,275	99.91%
Ntel	30	0.11%	28,241	99.89%
Smile	47	0.13%	37,422	99.87%
Spectranet	58	0.04%	163,379	99.96%
Swift	7	0.00%	0	0.00%
Tizeti	59	0.18%	33,523	99.82%
NGComms	17	0.00%	0	0.00%
Suburban (Legend)	1	0.00%	0	0.00%
IPNX	1	0.00%	0	0.00%
Others	34	0.00%	0	0.00%
Total	10,635	0.17%	6,094,448	99.83%

Table 6.9: NCC Complaints vs Service Providers' First Level Complaints

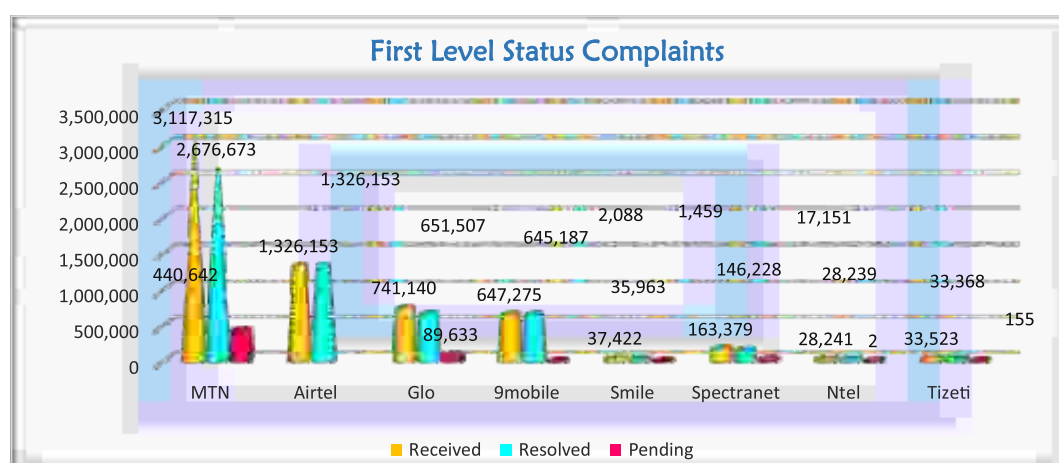


Fig 6.8: NCC Complaints via All Channels vs Service Providers' First Level Complaints by Category

6.6 Industry Consumer Advisory Forum (ICAF)

ICAF was established to act in advisory capacity and make recommendations to the Commission regarding the interests and concerns of Consumers of ICT products and services, including persons with special needs. Activities undertaken during the period include the appointment of Mazi Chukwuemeka Akpa as ICAF chairman, the presentation of the Telecom Consumer Handbook and participation in ICAF quarterly meetings and ICAF Member Organization Conferences.

6.7 Collaborations and Advocacy Activities

The Commission supported and participated at the 2021 Consumer Protection Conference organized by **Save the Consumer Initiative**, one of the Advocacy groups registered on the Commission's database from 16th – 17th March 2021.

Arising from the publication for Consumer Advocacy Groups in 2020, about twenty-nine (29) Consumer Advocacy organizations/companies with various fields of specialization and areas

of influence across the six geopolitical zones were qualified and successfully registered on the Commission's database. A virtual inaugural meeting with all the registered Advocacy Groups was held on Tuesday, 6th July, 2021 which was driven by the need to inform and educate the advocates on the Commission's expectation.

- **Advocacy Initiative on Financial Fraud on Telecom Platform**

In line with the Commission's Consumer Centric initiatives aimed at protecting the interest of consumers, Management approved the advocacy initiative tagged "**Shine Your Eyes – No Fall Mugu**" in collaboration with Consumer Advocacy Groups at selected locations across the country, starting with two pilot programmes in the North and South regions within the last quarter of year 2021.

- **Collaboration with Federal Airports Authority of Nigeria (FAAN)**

A space was identified and approved for the establishment of a TELCARE desk at the arrival section of the Nnamdi Azikiwe International Airport, Abuja. Documentation and formalities for its allocation is underway.

- **Support for Deaf Women Association of Nigeria (DWAN)**

The Commission supported the Deaf Women Association of Nigeria (DWAN) at her 8th edition of the Deaf Women Health Awareness Week held from December 7 – 8, 2021 at the National Press Centre Hall, Radio House, Abuja in commemoration of the International Day for Persons with Disabilities which is observed globally every December 3. Information and Educative materials were distributed to participants at the event to educate its members and other stakeholders on the activities of the Commission, and other telecom consumer related information, intimating them on the role of ICT and its benefits in their everyday life.

6.8 Consumer Information & Education Activities

The Commission routinely engages telecom consumer for sensitization and information sharing purposes. The following exercises were undertaken during the year to educate the telecom consumers across the country using public fora and the media.

S/N	Program	Theme	Date	Location
1	Telecom Consumer Town Hall on Radio (TCTHR)	Benefits of SIM -NIN Integration	August 31, 2021	Vision FM (92.5), Kano State
			September 23, 2021	Metro FM (97.7), Lagos State
			October 31, 2021	Human Rights Radio (101.1), Abuja
			December 20, 2021	Amana FM (98.1), Gombe State
		Understanding SIM Replacement Procedures	November 18, 2021	Coal City FM, Enugu State
2	Telecom Consumer Market Conversation	Know your Rights & Obligations as a Telecom Consumer	May 6, 2021	Garki International Market, Abuja

S/N	Program	Theme	Date	Location
3	Telecom Campus Conversation	Telecom Consumer Right Awareness: The Role of Students	September 30, 2021	University of Abuja, FCT
			October 29, 2021	University of Benin, Edo State
			November 19, 2021	University of Nigeria, Nsukka, Enugu State
			November 25, 2021	Bayero University Kano, Kano State
4	International Trade Fairs and ICT Conference and Exhibition		March 19 – 29, 2021	32 nd Enugu International Trade Fair
			June, 22 –24, 2021	2nd virtual and 9th edition of Digital Africa Conference and Exhibition
			June 29, 2021	2021 Civil Service Day Celebration
			July 27 – 28, 2021	2nd virtual and 7th edition of Information Communication Technology and Telecommunication Conference and Exhibition (ICTEL EXPO 2021)
			September 10, 2021	African Single Market (ASM) World Commodities Summit & Expo 2021
			September 30 – October 9, 2021	16th Abuja International Trade Fair
			5 – 14 November, 2021	35th Lagos International Trade Fair
			November 24 – December 11, 2021	42nd Kano International Trade Fair
			December 10 –14, 2021	9th National Council on Communications and Digital Economy (NCCDE)



SPECTRUM ADMINISTRATION

7



SPECTRUM ADMINISTRATION

7.1 Frequencies Assigned from January – December 2021

In the year 2021, a total of twenty-four (24) Assignment letters were issued to applicants. The details of Spectrum Assignments are captured in the table below:

S/N	Operator	Frequency Band	Channel Spacing	Location (State(s))	Effective Date
1.	Airtel Networks Limited	23GHz Concatenation	56MHz	Abia, Adamawa, Akwa-Ibom, Anambra, Bauchi, Benue, Borno, Cross-Rivers, Delta, Ebonyi, Edo, Ekiti, Enugu, FCT, Gombe, Imo, Jigawa, Kaduna, Kano, Katsina, Kogi, Kwara, Lagos, Nasarawa, Niger, Ogun, Ondo, Osun, Oyo, Plateau, Rivers, Taraba and Yobe	26-Jan-21
2.	MainOne Cable Company Nigeria Ltd.	15GHz	14MHz	Oyo	09-Feb-21
		18GHz	27.5MHz		
3.	Airtel Networks Limited	15GHz	14MHz	Nationwide	22-Apr-21
		18GHz	27.5MHz		
		23GHz	28MHz		
4.	SHELL	6GHz	29.5MHz	Delta, Rivers, Bayelsa	15-May-21
		7GHz	28MHz		
		15GHz	14MHz		
5.	MegaTech Engineering Ltd.	2.6GHz	40MHz	Nationwide	10-Jun-21

S/N	Operator	Frequency Band	Channel Spacing	Location (State(s))	Effective Date
6.	MainOne Cable Company Nigeria Ltd.	23GHz	28MHz	Rivers	21-May-21
7.	MainOne Cable Company Nigeria Ltd.	13GHz	28MHz	Enugu	MainOne's ISP Licence was renewed after the expiry date of May 32, 2021. A new Assignment was issued to
8.	MTN Nigeria Communications PLC.	18GHz	27.5MHz	Nationwide	11-Jul-21
		23GHz	28MHz		
9.	MainOne Cable Company Nigeria Ltd.	7GHz	28MHz	Rivers	28-Aug-21
10.	Airtel Networks Limited	3.5GHz POC Trial	100MHz	Kwara, Osun, Kano and Cross-River	16- Aug- 21 (Kwara), 23- Aug- 21 (Osun), 02- Aug- 21 (Kano), 09- Aug- 21 (Cross-River). However, the trial didn't hold as it was close to the 5G Auction dates
11.	MTN Nigeria Communications Plc.	70/80GHz (Regularization)	250MHz	Abia, Adamawa, Anambra, Benue, Borno, Edo, Enugu, FCT, Jigawa, Katsina, Kebbi, Kano, Kaduna, Kogi, Lagos, Nasarawa, Niger, Ogun, Oyo, Sokoto, Yobe and Zamfara States	30-Dec-19

S/N	Operator	Frequency Band	Channel Spacing	Location (State(s))	Effective Date
12.	Airband Wireless	5.4GHz(POC Trial)	25MHz	Kwara State	1-Sep-21
13.	Inq Digital Nigeria Ltd.	13GHz	28MHz	FCT, Lagos, Oyo, Ogun, Abia and Rivers	14-Sep-21
		18GHz	27.5MHz		
		23GHz	28MHz		
14.	Inq Digital Nigeria Ltd.	18GHz	27.5MHz	FCT, Lagos, Kano, Delta and Rivers States	14-Sep-21
		23GHz	28MHz		
15.	Inq Digital Nigeria Ltd.	18GHz	27.5MHz	FCT, Lagos, Edo and Rivers	14-Sep-21
		23GHz	28MHz		
16.	MTN Nigeria Communications Plc.	5.4GHz	30MHz x2 (Block D1 & E1)	North-West, NorthEast, North-Central, South-South and SouthEast	30-Sep-21
				North-West, SouthEast, South-South	
17.	MTN Nigeria Communications Plc.	10.5GHz	28MHz	South-South, SouthEast, North-Central, North-East and North-West	30-Sep-21
18.	MTN Nigeria Communications Plc.	70/80GHz	250MHz	Abia, Akwa— Ibom, Anambra, Bauchi, Bayelsa, Benue, Borno, Cross-River, Delta, Ebonyi, Edo, Ekiti, Enugu, FCT, Imo, Katsina, Kano, Kwara, Lagos, Nasarawa, Niger, Ogun, Ondo, Osun, Oyo, Plateau & Rivers	11-Oct-21
19.	Tizeti Network Limited	60 GHz (POC Trial)	57GHz – 66GHz (Assigned frequency range)	Lagos and Edo States	Conducted 4-Aug-21 and 11-Aug-21 for Lagos & Edo States respectively.
20.	MainOne Cable Company Nigeria Ltd.	8GHz LB	29.65MHz	Lagos State	01-Nov-21

S/N	Operator	Frequency Band	Channel Spacing	Location (State(s))	Effective Date
21.	MainOne Cable Company Nigeria Ltd.	13GHz	28MHz	Lagos State	4-Nov-21
22.	Airtel Networks Ltd.	18GHz (Extension)	27.5MHz	Abia, FCT, Anambra, Benue, Delta, Edo, Imo, Kano, Kogi, Kwara, Lagos, Nasarawa, Niger, Osun,	1-Jul-21
22.	Airtel Networks Ltd.	18GHz (Extension)	27.5MHz	Abia, FCT, Anambra, Benue, Delta, Edo, Imo, Kano, Kogi, Kwara, Lagos, Nasarawa, Niger, Osun, Ondo, Oyo, Plateau, Rivers, Taraba, Zamfara	1-Jul-21
23.	Inq Digital Nigeria Ltd.	13GHz	28MHz	Abuja, Lagos and Oyo State	24-Dec-21
		18GHz	27.5MHz		
		23GHz	28MHz		
24.	Inq Digital Nigeria Ltd.	13GHz	28MHz	Abuja & Lagos State	29-Dec-21
		18GHz	27.5MHz		
		23GHz	28MHz		

Table 7.1: Spectrum Assignment in 2021

7.2 Space Satellite Permits Issued In 2021

In the year 2021, a total of eleven (11) Satellite related permits were issued to applicants. The details of permits are captured in the table below:

The table below captures satellite related permits.

S/N	Operator	Name Of Satellite	Frequency Band of Operation	Effective Date of Landing Permit	Landing Permit Termination Date
1	Intelsat LLC	Is-902	C - band	25 -Jun -21	30 -Apr -24
2	OneWeb	OneWeb satellite constellation	Ku - band	5-Aug -21	28 -May -28

S/N	Operator	Name Of Satellite	Frequency Band of Operation	Effective Date of Landing Permit	Landing Permit Termination Date
3	OneWeb	OneWeb satellite constellation	Ka - band	5-Aug -21	28 -May -28
4	Swarm Technologies Inc.	Swarm 1 satellite constellation	VHF - band	28 -Feb -21	28 -Feb -25
5	AST and science	Blue Walker 3 Satellite Constellation	Q/v and 3gpp bands	1-Jun -21	30 -Jun -2024
6	Space Exploration Technologies Corporation (SpaceX)	Steam -1, Steam -2 And Steam 2b Starlink Satellite Constellation	Ka and ku bands	7-Jan -21	7-Nov -26
7	Intelsat LLC	Is-39	C - band	25 -Jun -21	6-Aug -34
8	Avanti Hylas -2 Ltd.	Hylas -2	Ka - band	25 -Jun -21	2-Aug -27
9	Spacecom	Amos -17	Ka - band	25 -Jun -21	7-Aug -40
10	Spacecom	Amos -17	C - band	25 -Jun -21	7-Aug -40
11	Spacecom	Amos -17	Ku - band	25 -Jun -21	7-Aug -40

Table 7.2: Space Satellite Permits Granted in the Year 2021

7.3 Network Coverage and Base Transceiver Station (BTS) Deployment

BTS Site deployments and coverage data are submitted quarterly by operators. These data are usually analyzed to draw insights which are useful for industry wide decision making. The two major outcomes of this initiative are: BTS Sites Trend Report and Coverage report.

7.3.1 BTS Deployment Trend Analysis

A one-year review (January 1st, 2021 - December 31st, 2021) of BTS deployments witnessed a cumulative growth of 12.35% from 101,837 sites to 114,412 sites (combined 2G, 3G and 4G Deployment). The growth was more noticeable on the Data segment, especially in the 4G network which recorded a growth of 28.4% (from 24,628 to 31,697). Globacom recorded the highest growth in its 4G network of 49.1% while EMTS experienced a decline of -1.3%. Also, the 2G and 3G Network experienced growth of 7.5% (from 39,401 to 42,366) and 6.9% (37,754 to 40,349) respectively.

The chart below shows the number of 2G, 3G and 4G Base Stations deployed in the year 2021

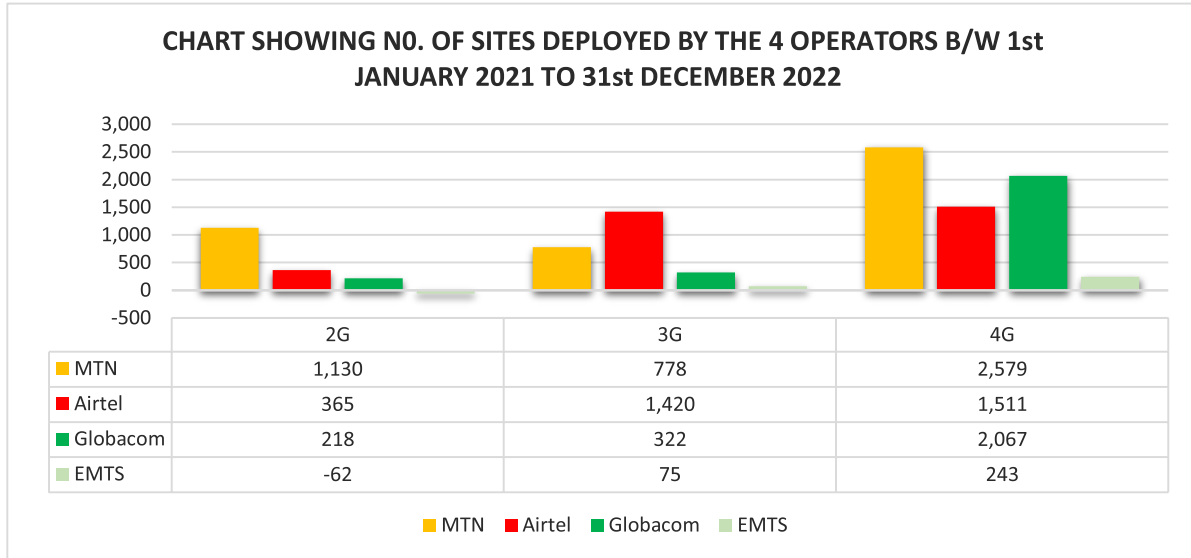


Fig. 7.1: A One Year Review of 2G, 3G and 4G Network growth

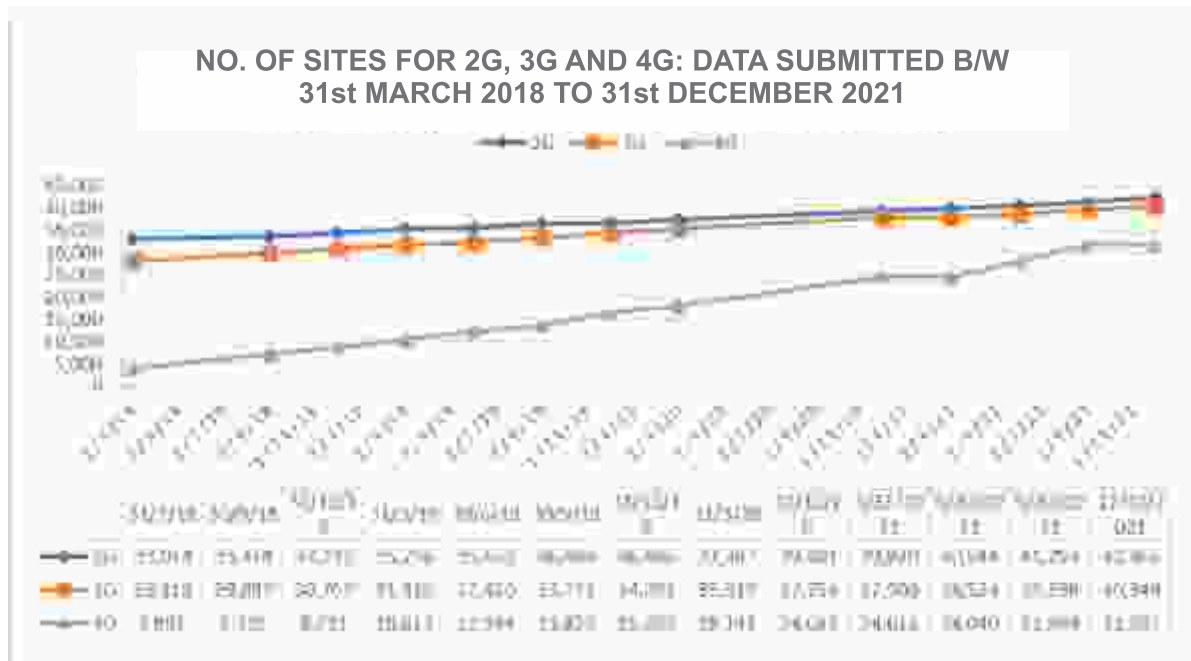


Fig. 7.2: Deployment trend up till December 31, 2021

7.4 Analysis of Network (2G, 3G and 4G) Coverage

The details of estimated population coverage for 2G, 3G and 4G networks in Nigeria as of December 31, 2021 are depicted in the table and maps below:

S/N	Category of Network	Estimated Percentage of population within Coverage as of December 31, 2020.	Estimated Percentage of Population Within Coverage as of December 31 st , 2021.	% Growth
1	2G	91.99%	92.90%	0.91%
2	3G	80.91%	84.63%	3.72%
3	4G	47.78%	61.94%	14.16

Table 7.3: Estimated Population Coverage for 2G, 3G and 4G Networks in Nigeria

The 2G population coverage grew by 0.83%, 3G grew by 2.74% and 4G grew by 14.75% from January 1, 2021, to December 31, 2021. Below are the coverage maps as of December 31, 2021.

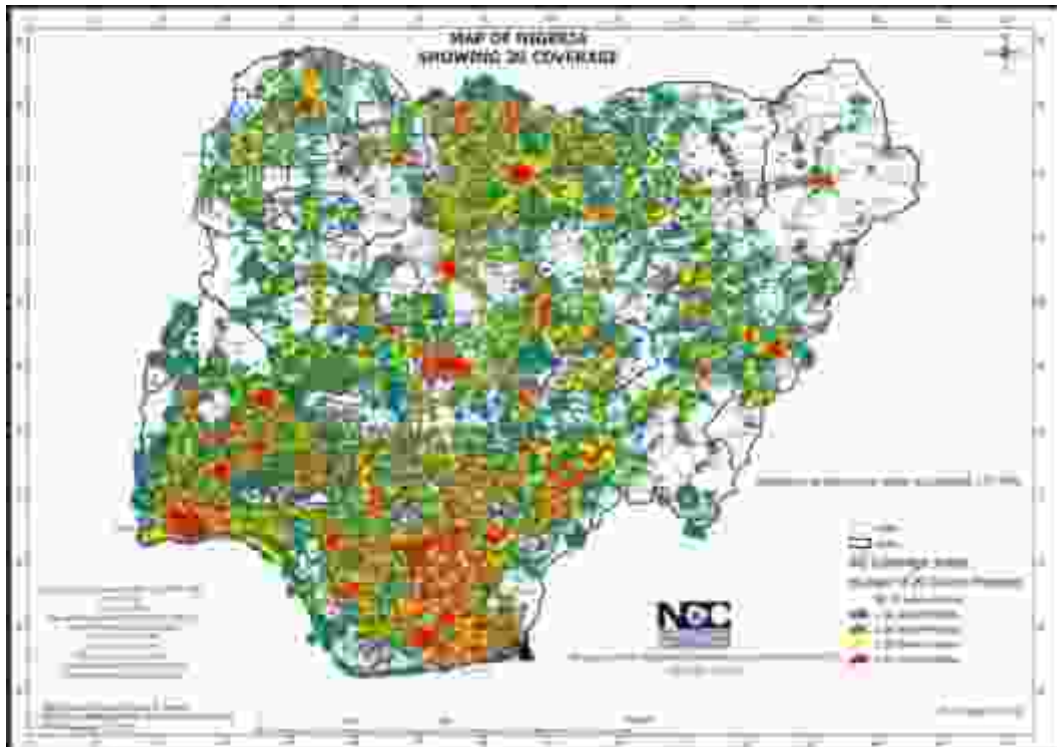


Fig. 7.3: Map of Nigeria showing 2G Coverage

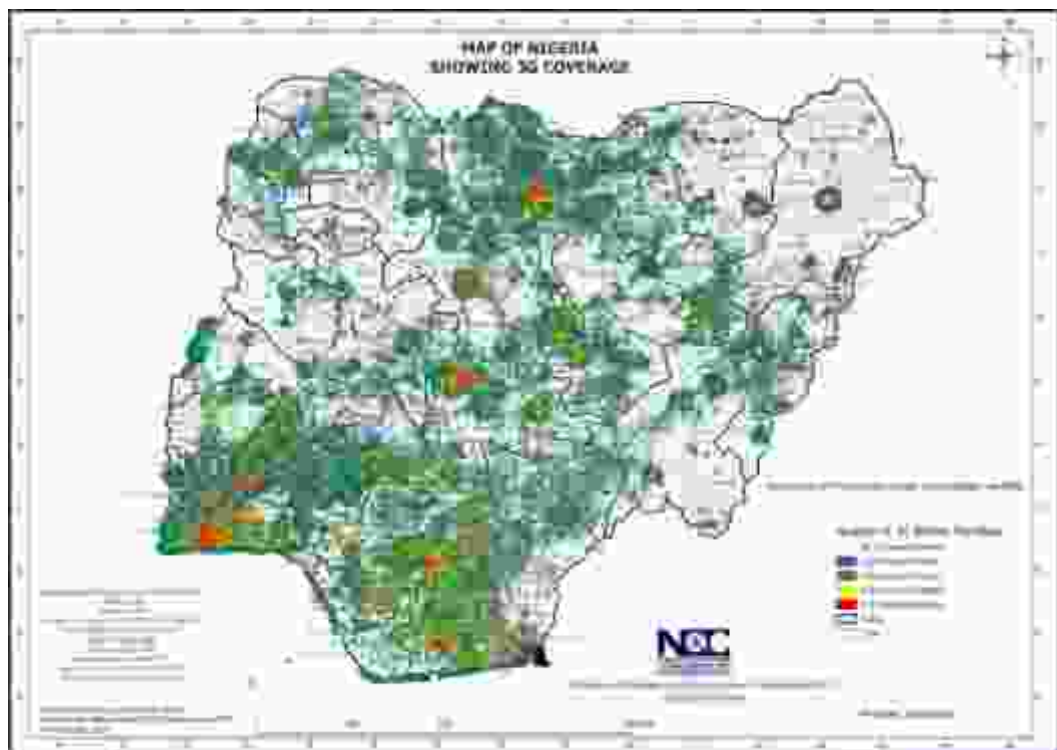


Fig. 7.4 Map of Nigeria showing 3G Coverage

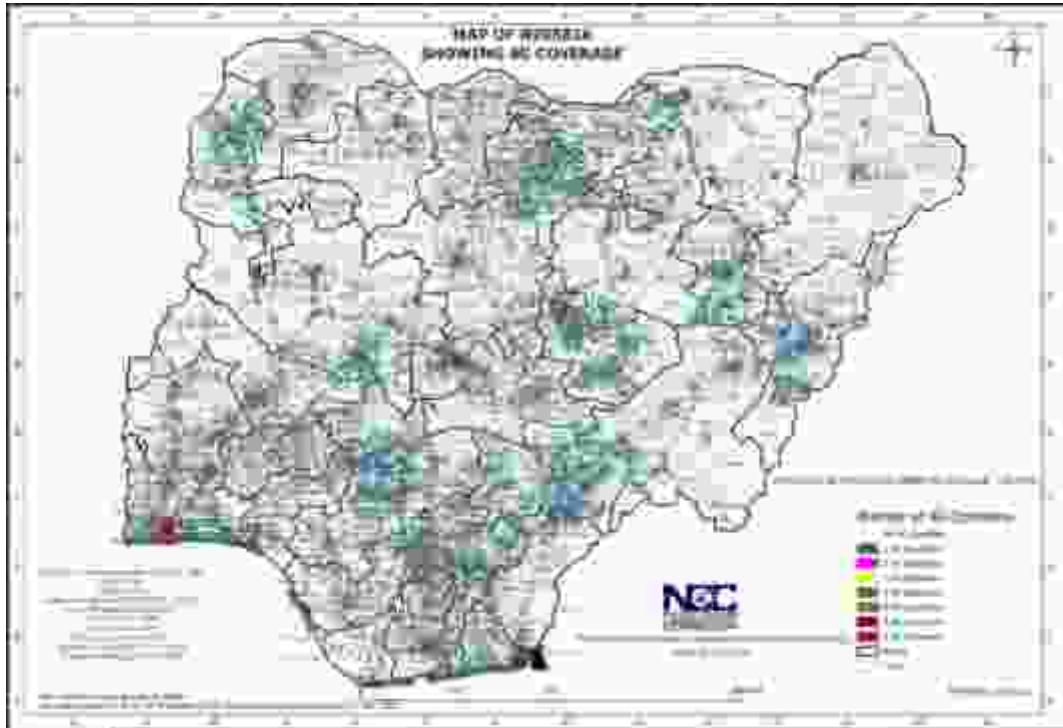


Fig. 7.5: Map of Nigeria showing 4G Coverage

The data for the update of population coverage for December 31, 2021 is still at collation stage and report for the Q4-2021 will be completed by end of February 2022.

7.5 Spectrum Interference Complaints and Resolution

The Commission recorded 70.8% resolution of forty-five (45) interference complaints received from licensed service providers (MTN, EMTS, Swift, Inq. Nig Ltd and Airtel) and two (2) from Resident Association (Port Harcourt and Lagos). The table below shows a summary of the Interference investigation and resolution activities within the period under review

MNOs/ Other Complainants	No. of Interference reported	Microwave Interference	Satellite related interference	Access Freq. Interference Reported (WLL)	Escalated for enforcement	Suspended due to company Indebtedness	Interference report with inadequate inform/ regulatory issue from MNO	No of Interference Resolved
MTN	11	0	0	6	5			11
Airtel	11	0	0	8	3			11
EMTS	14	0	0	10	3		1	13
GLO	2	0	0	2	2			2
Inq. Nigeria limited	2	2	0	0	1			2
NTA/NIGC OMSAT	2	0	1	2	0			2
No. 7 Asokoro	1	0	0	1	0			1
Van Daniels Estate	2	0	0	2	0			2
St Michael Crescent	1	0	0	1	0			1
Yawahab estate	1	0	0	1	1			1
SWIFT	1	0	0	1	0	1		1
Total	47	2	1	34	15	1	1	47

Table 7.4: Summary of Interference Cases

7.6 Other Spectrum Activities

a) Development of Guidelines

Consistent with Section 70 Subsection 2 of the Nigerian Communications Act 2003 (NCA 2003), the Commission is empowered to make and publish guidelines on all matters as are deemed necessary to give full effect to the provisions and administration of the NCA 2003.

Pursuant to the above, the Commission has successfully reviewed the guidelines for the use of 2.4GHz and 5GHz Spectrum bands and developed a framework for the deployment of services on the 60GHz licensed exempt band as indicated below:

b) Updating of National Frequency Allocation Table (NFAT) in line with the outcome of WRC-19

Section 28 sub-section 2d of the Nigerian Communications Act 2003 (NCA-03) provides that the National Frequency Management Council (NFMC) in consultation and conjunction with the Commission, prepare, update, and regularly publish a national frequency allocation table and establish a data bank that would assist and facilitate the management of the national spectrum.

Following the conclusion of the World Radiocommunications Conference in 2019 (WRC-19), new and revised provisions of the Radio Regulations including Appendices, Resolutions, and Recommendations were approved by the Conference.

The Commission has engaged a consultant to carry out the task and update the table accordingly. The final document of the National Frequency Allocation Table and a multi-colored graphical format Chart reflecting the outcome of WRC-19 have been forwarded to the NFMC for approval and publication.

c) 3.5 GHz C-band & 26 GHz (24.5 – 26.5 GHz) band Millimetre-wave Spectrum

The 3.5 & 26GHz spectrum bands were among the candidate bands identified by WRC-19 as one of the globally harmonized bands for the deployment of 5G services. The Commission has re-planned the 3.5GHz C-band Spectrum in accordance with the 3GPP recommendations which provides a TDD channel arrangement. Licensing of operators on the bands was put on hold while Operators currently on the band were served with non-renewal notice beyond December 31, 2021.

An MoU was signed between the Commission and NigComSat to relocate their services to the upper 3.5 GHz band (3.9 – 4.2 GHz) to free the portion occupied by the satellite operators for 5G services on the 3.5GHz band. The Commission also put a formal application to the NFMC requesting for the release of bulk spectrum 3.52 – 3.9GHz band to make available 500 MHz for 5G deployment in the country.

d) 5G Spectrum Auction

The Commission constituted an inter Departmental Committee with the mandate to conduct the licensing of the 3.5 GHz band through an auction process. The Auction was held on 13th December 2021, and two operators (MTN and MAFAB) emerged winners of the 2 available slots (3.5-3.6 GHz & 3.7-3.8 GHz bands) respectively.

Following the Auction exercise, the big winners are expected to make full payment by 24th February 2022, as stipulated in the Auction Information Memorandum (IM).

e) Policy on Grant of Approval for Proof of Concept (PoC) Trials

Following a series of requests from operators to carry out PoC trials on various frequencies, the Commission formulated a clear and defined policy on PoC trials that, henceforth, trial licenses be only granted to the Original Equipment Manufacturer (OEM)/vendor, or the operator in conjunction with their OEMs and that such trial shall not exceed three (3) months from the date of approval.

f) Ongoing Studies – Partitioning the 6GHz band between IMT and Wi-Fi

In line with ITU-R WRC-23 agenda item 1.2 and the industry direction on the use of the 6GHz band, the Commission is exploring the best option in optimizing IMT and WiFi spectrum allocation within the band.

The Commission is equally following up with studies on ATU Emerging Technologies Task Group on the possibility of recommending a license-exempt access to the lower part of the 6 GHz band (5925 – 6425 MHz).



LICENSING ACTIVITIES



8

8

LICENSING ACTIVITIES

8.1 Introduction

A major function of the Commission is the encouragement of local and foreign investment in the Nigerian Telecommunications Industry and the introduction of innovative services and practices in the industry in accordance with international best practices and trends. One avenue for achieving this function is the issuance of telecommunications License and authorization which is a pre-requisite for any company desiring to participate in the telecoms market.

During the year under review the Commission received and processed a total number of nine hundred and sixty-eight (968) new licenses (comprising of seven hundred twenty-four (724) Class Licenses and two hundred and forty-four (244) Individual Licenses) and renewed 55 (fifty-five) licenses. This generated a total of eight hundred and eighty-two million, three hundred and fourteen thousand naira only (N882,314,000.00) for the Commission.

The tables below indicate the submissions received in respect of applications for various categories of licenses. Table 'A' shows the total number of Individual and Class Licence applications, tables 'B' and 'C' show the number and classification of Individual and Class licenses received for the period under review.

Category	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
Class	137	249	160	178	724
Individual	59	71	50	64	244
Total	196	320	210	242	968

Table 8.1: Summary of Individual and Class Licence Applications Received

Category	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
ISP	17	15	10	15	57
VAS Content	15	22	16	14	67
VAS Call Center	1	1	2	1	5
VAS Special Numbering	-	-	-	1	1
VAS Call Directory	-	-	-	1	1
VAS Aggregator	2	4	1	2	9
Collocation	5	2	3	7	17
IDA	2	6	2	1	11
AVTS	2	2	2	-	6
S & 1 Major	5	9	6	11	31
S&I Satellite	-	2	1	1	4
IES	1	4	3	2	10
PNL Regional	6	4	3	4	17
PNL National	1	-	-	2	3
NLDO	-	-	-	1	1
PNL LEO	1	-	-	-	1
UASL	1	-	-	1	2
Full Gateway Service	-	-	1	-	1
Total	59	71	50	64	244

Table 8.2: Breakdown of Individual Licence Applications Received

Category	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
S&I	126	242	148	173	689
R&M	4	2	4	3	13
Cabling	2	1	4	1	8
Cybercafé	2	2	3	1	8
Tele Centre	3	2	1	-	6
Total	137	249	160	178	724

Table 8.3: Breakdown of Class Licence Applications Received

8.2 Offer Letters Issued for Year 2021

Category	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
ISP	22	18	-	-	40
VAS Content	14	22	-	--	36
VAS Call Centre	1	-	-	-	1
VAS Aggregator	1	1	-	-	2
Collocation	13	3	-	-	16
International Data Access	2	1	-	-	3
AVTS	-	2	-	-	2
S & I Major	10	8	-	-	18
S & I (Satellite)	1	-	-	-	1
Interconnect Exchange Service	-	2	-	-	2
PNL LEO	1	-	-	-	1
PNL Regional	1	-	-	-	1
PNL National	-	-	-	-	-
Metropolitan Fibre	-	-	-	-	-
NLDO	1	-	-	-	1
ICILS	1	-	-	-	1
Total	68	64			132

Table 8.4: Offer Letters Issued for Year 2021

8.3 Renewals

1. Summary Of Individual Licence Renewal Applications

One hundred and ninety-two (192) applications for renewal of Licences received from one hundred and ninety-one (191) companies were processed.

The table below represents a breakdown of the licences processed:

S/N	LICENCE CATEGORY	NUMBER
1.	VAS Content Services using Short Code	98
2.	VAS Call Centre	2
3.	Internet Service Provision (ISP)	46
4.	Infrastructure Sharing and Collocation Services (ISC)	3
5.	Automated Vehicle Tracking Services (AVTS)	12
6.	Sales and Installation (Major)	16
7.	Sales and Installation (Satellite)	1

S/N	LICENCE CATEGORY	NUMBER
8.	Non - Commercial Closer User	3
9.	International Data Access (IDA)	5
10.	Unified Access Services Licence (UASL)	3
11.	Private Network Links (PNL)	2
12.	PNL - LEO	1
TOTAL		192

Table 8.5: Individual Licence Renewal Applications Received In 2021

8.4 Notification of Intention Not to Renew/Surrender Licence

Fourteen (14) applications for Surrender of/Intention not to Renew Licences were received and processed.

8.5 Change of Addresses

Fifty-Four (54) licensees notified the Commission of changes of their registered addresses. The Commission's database was updated accordingly, and relevant Departments notified.

8.6 Expired & About to Expire Licences

Arising from due diligence checks, seventy-two (72) operators whose licenses expired by the end of 2021 & one hundred and thirty-one (131) Operators whose licenses were about to expire, were advised to regularize their operations by applying for licence renewal or otherwise.

8.7 Class Licences Printed

A total number of seven hundred and eighty-nine (789) Class Licences were printed for applicants who met the Commission's Class licensing requirements. The table below represents a breakdown:

S/N	LICENCE CATEGORY	NUMBER
1.	Sales and Installation	755
2.	Cybercafe/Telecentre	12
3.	Cabling	8
4.	Repair and Maintenance	14

Table 8.6: Analysis of Class Licence Applications Received In 2021



QUALITY OF SERVICE PERFORMANCE DATA

9



QUALITY OF SERVICE PERFORMANCE DATA

9.1 Equipment Type Approval

Equipment Type Approval is one of the core functions of the Commission and in the year 2021, we concluded Type Approval applications for Eight hundred and eighty-eight (888) models of major and minor equipment which consist of equipment/devices such as Routers, Microwave Radios, Bluetooth Devices, Mobile Phones, Access Point Devices, Wireless Audio Devices, Wi-Fi Devices, Modems, etc. (see list of approved equipment in table 1 below).

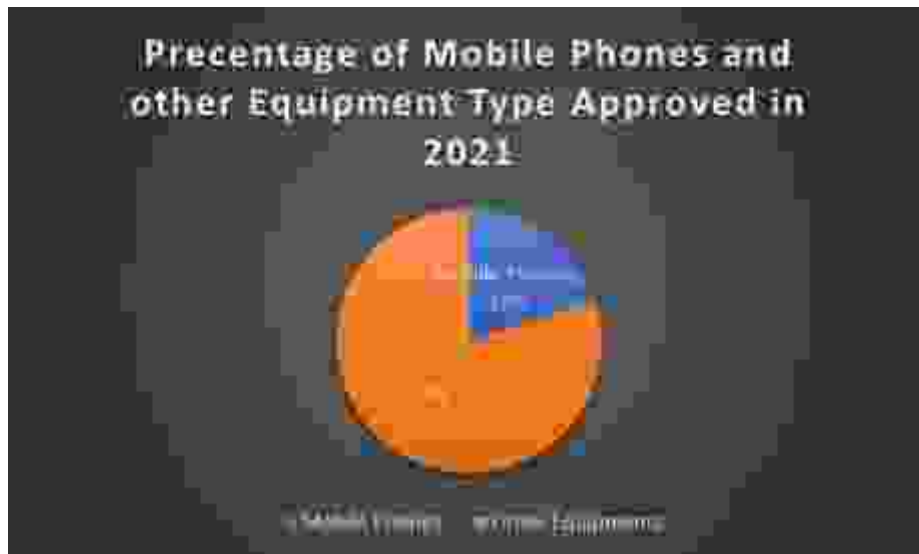


Figure 9.1: Chart showing the ratio of approved mobile phones to other equipment from 1st January to 31st December 2021.

Furthermore, revenue generated from Type Approval processes amounted to the sum of ₦515,503,242.71 and \$116,186.85.

9.2 Monthly QoS Data

A summary of the performance of operators (with the impact of multiple fibre cuts, theft of power generators, illegal site lock ups by agencies of Government etc removed) for the months of January 2021 to November 2021 are below:

SUMMARY OF MNOS QUALITY OF SERVICE REPORT AT NATIONAL LEVEL

January 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.40	0.40	0.07	0.05	98.37	99.48
9mobile	99.00	0.70	0.15	0.13	98.19	100.00
Globacom	98.32	0.43	0.16	0.54	98.21	98.79
MTN	99.71	0.38	0.07	0.15	98.53	98.97

February 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.28	0.38	0.05	0.08	98.32	99.67
9mobile	98.81	0.40	0.20	0.12	97.98	100.00
Globacom	98.27	0.39	0.17	0.56	98.12	99.03
MTN	99.72	0.40	0.09	0.17	98.41	98.99

March 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.26	0.38	0.06	0.08	98.11	99.66
9mobile	98.70	0.59	0.25	0.13	98.37	100.00
Globacom	98.23	0.38	0.18	0.53	98.07	99.03
MTN	99.69	0.41	0.11	0.25	98.27	98.84

April 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.21	0.37	0.07	0.13	97.90	99.84
9mobile	98.74	0.44	0.25	0.14	98.33	99.98
Globacom	98.04	0.40	0.18	0.56	98.10	99.04
MTN	99.70	0.42	0.11	0.21	98.36	98.88

May 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.19	0.38	0.07	0.03	97.95	99.64
9mobile	98.94	0.50	0.27	0.11	97.94	99.52
Globacom	98.10	0.41	0.17	0.59	98.06	99.02
MTN	99.68	0.44	0.12	0.19	98.46	98.75

June 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.40	0.45	0.04	0.04	98.13	99.66
9mobile	95.30	0.83	0.39	0.17	95.37	98.61
Globacom	98.03	0.44	0.20	0.53	98.15	98.87
MTN	99.65	0.41	0.11	0.17	98.62	98.93

July 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.31	0.36	0.04	0.05	98.23	99.81
9mobile	98.89	0.48	0.26	0.15	98.31	99.95
Globacom	98.53	0.41	0.18	0.60	98.02	99.08
MTN	99.69	0.42	0.10	0.19	98.60	98.98

August 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.41	0.39	0.07	0.03	98.06	99.33
9mobile	98.18	0.69	0.11	0.10	98.17	99.96
Globacom	98.46	0.47	0.18	0.51	98.28	99.06
MTN	99.62	0.39	0.12	0.18	98.62	99.00

September 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.08	0.55	0.09	0.10	97.11	99.64
9mobile	98.98	0.48	0.17	0.48	98.29	98.82
Globacom	99.06	0.35	0.08	0.61	98.47	98.97
MTN	99.62	0.40	0.15	0.19	98.63	98.93

October 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	98.94	0.55	0.14	0.15	97.88	99.92
9mobile	98.43	0.52	0.30	0.6	98.11	99.94
Globacom	98.61	0.32	0.15	0.64	98.35	99.06
MTN	99.65	0.39	0.13	0.27	98.46	98.90

November 2021

KPIs	CSSR	DCR	SD CONG	TCH CONG	HOSR	AVAILABILITY
Target	≥ 98%	≤ 1%	≤ 0.2%	≤ 2%	≥ 98%	≥ 99%
Airtel	99.18	0.60	0.11	0.09	98.01	99.87
9mobile	93.76	0.71	0.27	0.52	95.30	98.93
Globacom	98.49	0.36	0.19	0.85	98.12	98.51
MTN	99.66	0.36	0.10	0.22	98.50	99.00

Legend:

- CSSR: Call Setup Success Rate
- DCR: Drop Call Rate.
- SD CONG: Stand Alone Dedicated Control Channel
- TCH CONG: Traffic Channel Congestion
- HOSR: Handover Success Rate
- KPI below target

9.3 Monthly Point of Interconnections/Interconnect Clearing Licensees' KPIs

Data collection/analysis of Key Performance Indicators from the Point of interconnections of the GSM operators and Interconnect Clearing Licensees was successfully conducted and a summary of the January to November 2021 POI report is shown below;

SUMMARY OF MNOs POINT OF INTERCONNECTION REPORT AT NATIONAL LEVEL

January 2021

ORIGINATING OPERATOR	TERMINATING OPERATOR	ASR IN	ASR OUT	UTILIZATION	AVAILABILITY	CONGESTION
Target		≥50%	≥50%	≤70%	≥99.99%	≤0.50
	ICN	30.65	33.60	51.95	100.00	0.20
AIRTEL	NICONNX	4.08	9.73	17.39	100.00	0.10
	EXCHANGE	20.86	21.34	53.52	99.97	0.21
	BREEZE	16.72	20.02	47.41	98.03	3.07
	ICN22	38.33	38.61	17.86	100.00	0.21
9MOBILE	BREEZE	37.55	39.17	10.64	99.94	0.82
	EXCHANGE	100.00	0.00	0.00	100.00	0.00
	ICN	2.08	4.37	0.01	75.00	0.00
GLOBACOM	EXCHANGE	34.72	35.31	49.25	100.00	0.00
	NICONNX	0.00	0.00	0.00	100.00	0.00
	BREEZE	0.00	0.00	0.00	100.00	0.00
	ICN	34.90	31.04	5.43	98.87	9.60
MTN	NICONNX	37.93	26.82	5.44	99.73	0.00
	EXCHANGE	39.95	27.18	6.47	99.98	0.00
	BREEZE	38.00	24.58	4.83	98.47	0.00

February 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (%)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%
MNO's STATISTICS					
AIRTEL	37.43	35.14	44.99	98.65	0.21
9MOBILE	30.53	31.59	12.44	99.32	0.31
GLOBACOM	33.75	23.78	37.14	99.58	0.16
MTN	32.69	34.83	50.33	99.70	0.12
National Average	33.60	31.34	36.22	99.31	0.20
ICH STATISTICS					
ICN	38.56	31.05	33.29	99.17	3.42
BREEZE	24.32	22.15	21.07	99.14	0.36
NICONNX	18.72	21.92	37.11	98.72	0.12
EXCHANGE	22.05	39.74	27.49	99.98	0.14
ROUTELINK	36.21	33.57	57.18	100.00	0.10
National Average	27.97	29.69	35.23	99.40	0.83

March 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (%)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%
MNO's STATISTICS					
AIRTEL	34.90	33.49	48.05	99.56	0.04
9MOBILE	35.62	29.85	15.62	99.70	1.00
GLOBACOM	32.30	20.55	36.24	99.27	0.20
MTN	37.34	38.57	51.34	99.58	0.31
National Average	35.04	30.62	37.81	99.53	0.39
ICH STATISTICS					
ICN	23.52	30.71	29.24	93.61	0.26
BREEZE	23.11	24.93	26.71	99.69	0.53
NICONNX	16.34	20.02	37.45	99.95	0.10
EXCHANGE	20.18	27.90	34.05	99.70	0.46
ROUTELINKS	34.28	30.48	52.17	100.00	0.08
National Average	23.49	26.81	35.92	98.59	0.29

April 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (%)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%
MNO's STATISTICS					
AIRTEL	38.87	36.82	42.72	93.17	6.29
9MOBILE	29.67	31.16	16.91	99.62	0.07
GLOBACOM	38.65	26.81	29.77	99.29	0.11
MTN	34.86	35.86	50.19	99.63	0.07
National Average	35.51	32.66	34.90	97.93	1.63
ICH STATISTICS					
ICN	22.98	29.84	16.44	93.61	0.17
BREEZE	21.18	17.79	7.09	99.57	0.38
NICONNX	17.36	21.88	22.40	98.88	0.10
EXCHANGE	14.40	18.85	14.95	100.00	0.02
ROUTELINK	35.65	32.20	16.87	100.00	0.05
National Average	22.31	24.11	15.55	98.41	0.15

May 2021

KPI	ASR_INC (%)	ASR_OG (%)	AVAILABILITY (%)	UTILIZATION (%)	CONGESTION (%)
Target	≥ 50%	≥ 50%	≥ 99.99%	≤ 70%	≤ 0.5%
MNO's STATISTICS					
AIRTEL	32.40	30.16	98.81	47.06	0.21
9MOBILE	34.55	38.72	96.05	17.63	0.24
GLO	25.00	30.00	93.00	47.00	0.00
MTN	36.00	28.50	95.01	45.75	0.75
National Average	31.99	31.85	95.72	39.36	0.30
ICH STATISTICS					
ICN	27.30	35.71	99.24	36.80	0.02
BREEZE	37.80	36.97	97.65	23.00	0.00
NICONNX	40.00	35.00	99.95	56.00	0.00
ENVERGE LIMITED	41.99	41.99	99.99	40.13	0.00
ROUTELINK	37.80	36.97	97.65	23.00	0.00
EXCHANGE	16.96	18.67	81.25	29.91	0.00
National Average	33.64	34.22	95.96	34.81	0.00

June 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (IN)	CONGESTION (OUT)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%	≤ 0.5%
MNO's STATISTICS						
9MOBILE	31.70	33.00	29.29	96.93	0.05	0.45
AIRTEL	37.07	36.19	46.65	99.38	0.01	0.02
GLOBACOM	29.10	29.01	41.97	85.36	0.05	0.03
MTN	34.53	37.69	52.88	99.25	0.03	0.09
National Average	33.10	33.97	42.70	95.23	0.03	0.15
ICH STATISTICS						
ANALYTIQ TELECOM	34.02	38.39	36.45	100.00	0.00	0.66
BILLYRONKS	39.67	38.63	33.74	100.00	0.07	0.00
BREEZE	30.38	34.31	23.71	98.45	0.01	0.47
ENVERGE LIMITED	30.84	32.19	16.95	99.14	0.02	0.00
EXCHANGE TELECOM	23.75	41.43	30.09	99.23	0.04	0.26
IMBIL TELECOM	36.45	35.00	51.91	99.96	0.11	0.10
ICN	25.54	31.20	16.38	99.42	0.09	0.18
MAFAB	43.02	40.06	35.38	100.00	0.02	0.05
NICONNX	32.41	36.31	18.92	99.98	0.01	0.05
ROUTELINK	38.84	36.87	22.80	100.00	0.02	0.07
SLEEKCHIP	32.50	35.61	17.53	100.00	0.03	0.00
SOLID TELECOM	26.04	26.00	9.45	100.00	1.09	3.56
TELKO MS	30.06	30.29	11.14	100.00	0.02	0.08
National Average	32.58	35.10	24.96	99.71	0.12	0.42

July 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (IN)	CONGESTION (OUT)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%	≤ 0.5%
MNO's STATISTICS						
9MOBILE	33.85	34.77	24.44	97.29	0.06	0.43
AIRTEL	36.99	35.48	49.07	98.07	0.47	0.05
GLOBACOM	32.95	32.06	45.64	90.76	0.05	0.03
MTN	35.91	37.36	54.46	99.36	0.02	0.06
National Average	34.92	34.92	43.40	96.37	0.15	0.15
ICH STATISTICS						
ANALYTIQ	38.92	34.44	41.05	100.00	0.02	1.35
BILLYRONKS	39.59	37.46	26.20	100.00	0.08	0.00
BREEZE	27.31	27.24	11.12	96.12	0.01	0.06
ENVERGE	60.91	40.47	21.05	100.00	0.02	0.00
EXCHANGE	26.61	22.94	20.40	97.06	0.02	0.34
IMBIL	38.41	37.57	55.18	99.95	0.07	0.07
ICN	34.48	26.26	12.79	92.25	2.20	2.28
MAFAB	44.14	42.75	28.13	100.00	0.02	0.05
NICONNX	28.82	25.23	14.27	99.46	0.01	0.03
ROUTELINK	41.68	40.05	24.14	100.00	0.02	0.08
SLEEKCHIP	36.74	33.92	15.07	100.00	0.02	0.00
SOLID	28.14	26.69	8.50	75.00	25.84	26.15
TELKO MS	39.70	38.37	15.66	100.00	0.03	0.12
National Average	37.34	33.34	22.58	96.91	2.18	2.35

August 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (IN)	CONGESTION (OUT)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%	≤ 0.5%
MNO's STATISTICS						
9MOBILE	37.60	33.99	20.16	97.86	0.02	0.33
AIRTEL	37.62	36.03	44.68	98.97	1.52	0.02
GLOBACOM	36.26	28.50	40.34	94.32	0.05	0.03
MTN	36.67	38.75	48.75	97.82	0.02	0.07
National Average	37.04	34.32	38.48	97.24	0.40	0.11
ICH STATISTICS						
ANALYTIQ	35.31	38.05	31.96	99.96	0.05	0.13
BILLYRONKS	37.37	39.25	19.17	100.00	0.15	0.00
BREEZE	22.83	21.01	4.53	92.07	0.01	0.25
ENVERGE	35.11	30.04	9.86	100.00	0.02	0.00
EXCHANGE	19.83	37.00	13.64	87.15	0.03	0.03
IMBIL	39.51	30.50	51.88	99.90	0.07	0.10
ICN	27.99	30.22	10.48	92.08	0.10	3.07
MAFAB	42.58	47.45	17.75	100.00	0.02	0.01
NICONNX	25.11	28.37	10.11	89.86	0.01	0.06
ROUTELINK	41.20	36.25	22.37	100.00	0.04	0.07
SLEEKCHIP	31.61	31.42	11.28	100.00	0.06	0.00
SOLID	37.53	25.97	7.52	58.33	1.22	25.01
TELKO MS	38.89	39.16	12.22	100.00	0.03	0.15
National Average	33.45	33.44	17.14	93.80	0.14	2.22

September 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (IN)	CONGESTION (OUT)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%	≤ 0.5%
MNO's STATISTICS						
9MOBILE	29.51	31.73	18.72	93.34	0.05	0.36
AIRTEL	35.09	34.22	42.65	96.09	1.60	1.10
GLOBACOM	26.72	26.39	45.99	87.69	3.20	2.02
MTN	32.47	34.19	43.74	99.43	1.21	1.15
National Average	30.95	31.63	37.77	94.14	1.51	1.16
ICH STATISTICS						
ANALYTIQ	37.35	37.59	28.51	99.90	0.04	0.10
BILLYRONKS	36.85	38.15	18.33	100.00	0.08	0.00
BREEZE	22.97	18.62	5.62	96.21	0.01	0.03
ENVERGE	28.34	17.55	9.21	100.00	0.01	0.00
EXCHANGE	18.13	32.30	15.53	87.42	0.02	0.02
IMBIL	39.06	27.52	79.35	99.94	0.08	0.09
ICN	26.37	30.74	9.96	92.86	0.04	2.63
MAFAB	39.94	42.80	12.78	100.00	0.02	0.03
NICONNX	26.05	24.93	11.25	77.57	0.01	0.00
ROUTELINK	40.42	34.94	18.94	100.00	0.03	0.07
SLEEKCHIP	31.94	36.30	10.36	99.99	0.05	0.00
SOLID	20.64	24.13	7.82	58.33	1.35	0.78
TELKO MS	38.21	38.72	12.98	100.00	0.02	0.17
National Average	31.25	31.10	18.51	93.25	0.13	0.30

October 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (IN)	CONGESTION (OUT)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%	≤ 0.5%
MNO's STATISTICS						
9MOBILE	28.09	33.88	18.37	96.79	0.04	0.35
AIRTEL	35.39	33.64	40.51	96.46	0.43	0.83
GLOBACOM	30.65	24.80	38.77	80.53	1.20	0.04
MTN	35.45	36.62	45.65	96.67	0.03	0.10
National Average	32.39	32.23	35.82	92.61	0.42	0.33
ICH STATISTICS						
ANALYTIQ TELECOM	36.47	19.79	21.95	99.91	0.07	0.11
BILLYRONKS	38.31	38.39	20.22	100.00	0.32	0.00
BREEZE	24.92	22.76	14.08	99.88	0.02	0.06
ENVERGE LIMITED	38.57	34.69	10.32	100.00	0.04	0.00
EXCHANGE TELECOM	18.70	28.74	16.22	87.36	0.09	2.04
IMBIL TELECOM	38.02	29.23	53.48	99.96	0.09	0.06
ICN	25.35	31.04	9.93	93.15	0.11	2.54
MAFAB	39.54	42.77	12.72	100.00	0.02	0.01
NICONNX	25.67	23.83	13.16	87.50	0.01	0.01
ROUTELINK	39.44	35.11	21.61	100.00	0.04	0.09
SLEEKCHIP	34.14	38.16	13.27	100.00	0.05	0.00
SOLID TELECOM	18.04	21.28	8.54	77.78	1.54	1.21
TELKO MS	37.68	37.45	15.11	100.00	0.03	0.23
National Average	31.91	31.02	17.74	95.81	0.19	0.49

November 2021

KPI	ASR_INC (%)	ASR_OG (%)	UTILIZATION (%)	AVAILABILITY (%)	CONGESTION (IN)	CONGESTION (OUT)
Target	≥ 50%	≥ 50%	≤ 70%	≥ 99.99%	≤ 0.5%	≤ 0.5%
MNO's STATISTICS						
9MOBILE	27.56	33.21	19.23	96.34	0.01	0.52
AIRTEL	36.89	35.76	43.54	99.33	0.46	0.83
GLOBACOM	36.38	27.75	45.12	88.93	0.09	0.41
MTN	35.86	37.47	44.50	99.34	0.02	0.08
National Average	34.17	33.55	38.10	95.98	0.14	0.46
ICH STATISTICS						
ANALYTIQ TELECOM	37.80	19.54	22.19	99.97	0.00	0.12
BILLYRONKS	38.84	38.64	22.48	100.00	0.09	0.00
BREEZE	24.97	21.02	9.68	98.58	0.03	0.41
ENVERGE LIMITED	39.94	36.95	13.75	100.00	0.06	0.00
EXCHANGE TELECOM	20.05	26.09	18.69	93.61	0.00	0.31
IMBIL TELECOM	39.11	23.73	54.76	99.60	0.04	0.24
ICN	25.94	32.27	10.57	68.48	0.04	0.63
MAFAB	41.03	25.98	10.18	100.00	0.04	0.00
NICONNX	26.88	41.71	10.12	75.00	0.02	0.06
ROUTELINK	40.12	27.58	21.47	76.25	0.04	0.08
SLEEKCHIP	33.78	39.65	14.76	100.00	0.05	0.00
SOLID TELECOM	18.69	20.93	9.87	66.67	1.80	26.10
TELKO MS	38.89	36.07	24.74	100.00	0.01	0.54
National Average	32.77	30.01	18.71	90.63	0.17	2.19

9.4 Resolution Of Interconnect Issues Between Operators

During the period under review, the Commission intervened in several interconnect issues raised by the MNOs and OEMs to ensure a successful resolution of these issues e.g., issues such as allegations of anti-competitive policies enacted by MNOs and OEMs, delay in settlement of debts etc. Investigations were conducted and affected parties were advised accordingly.

9.5 QoS Aspect of Mobile Number Portability (MNP)

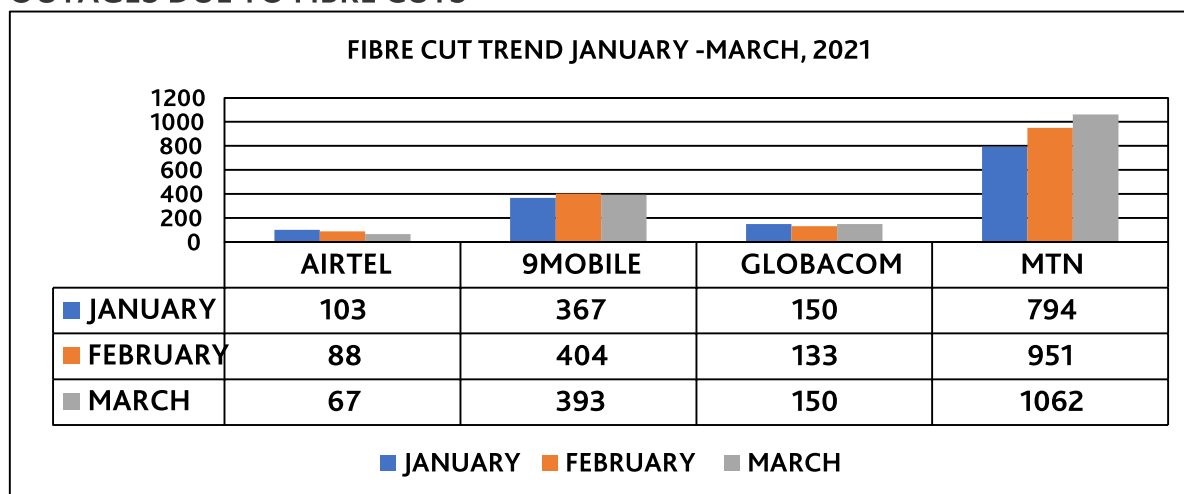
- a. The amended MNP Business Rules (2020) has been ratified and approved. The document has been published in the NCC website for the industry use.
- b. Several complaints were received from stakeholders in the MNP scheme, and these were attended to. Some of these complaints include operators not adhering to the timer specifications as set in the MNP Business rules for different MNP processes, ported out subscribers not being deactivated from the donor network after porting out, some ported out subscribers not being able to receive calls post porting etc. These complaints were addressed and successfully resolved.
- c. The Commission also participated in Technical Audits of Operators' performance of the MNP scheme for Q1, Q2 and Q3 2021. The aim of the exercise was to ensure seamless porting process with strict adherence to the business rules.

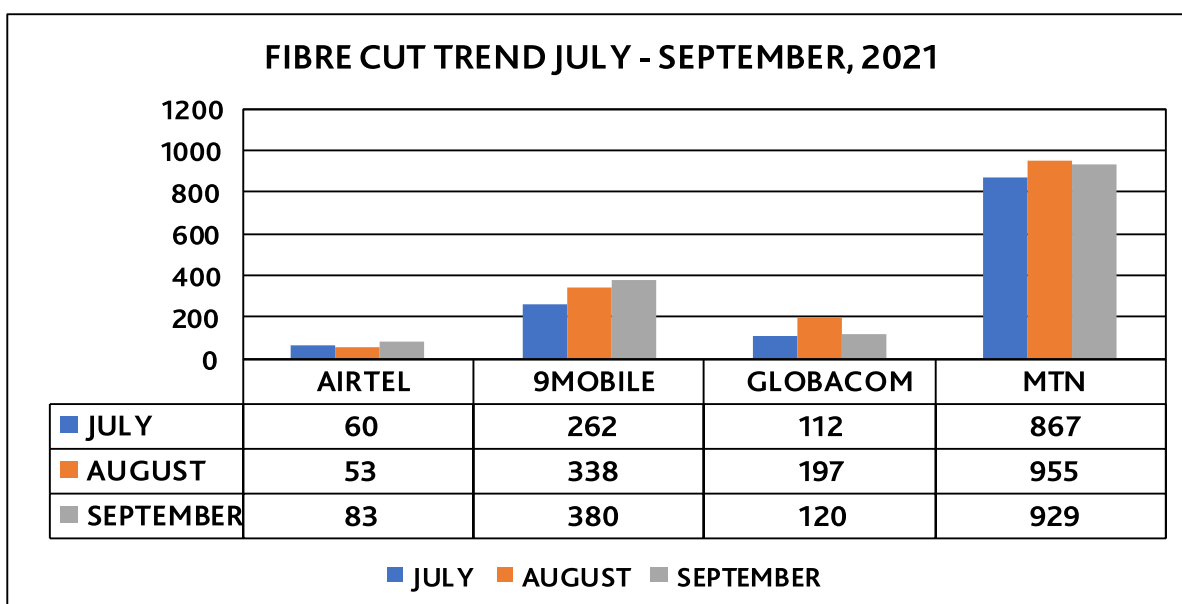
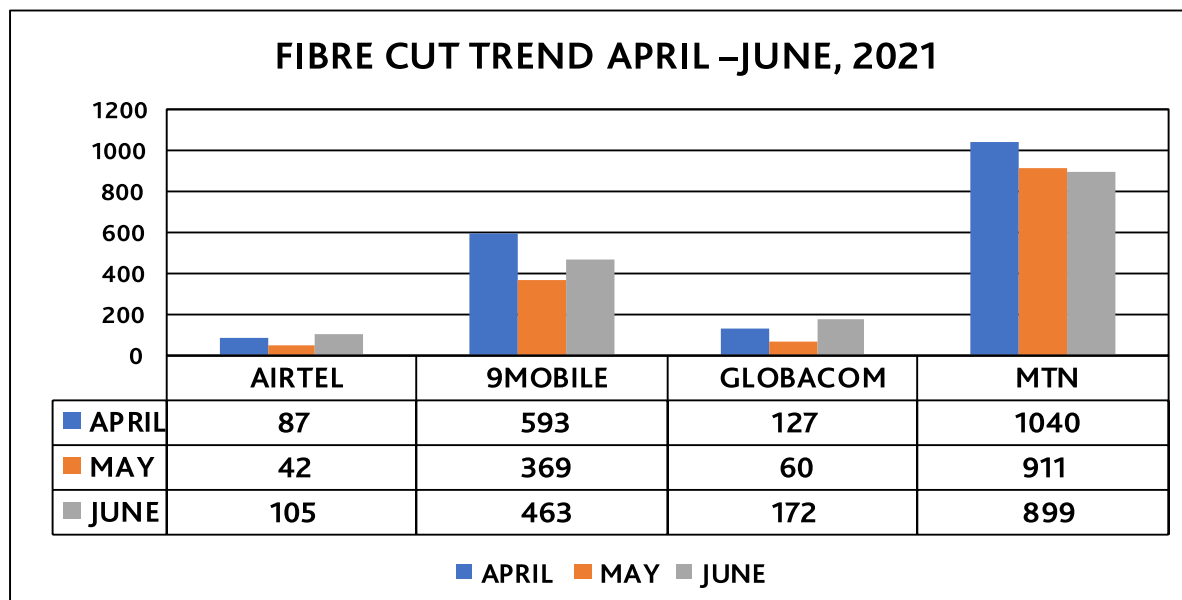
National Level Colocation Service Providers Performance Data

KPIs	Power Availability (PA)	Mean Time to Repair (MTTR)	Outage Per 100 Sites
January 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.93	1.62	
HIS	99.64	1.09	
February 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.92	1.77	
HIS	99.65	1.04	
March 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.92	1.78	
HIS	99.56	2.09	
April 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.92	1.78	2.21%
HIS	99.61	1.77	3.20%
May 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.89	2.00	3.04%
HIS	99.67	1.37	7.87%

KPIs	Power Availability (PA)	Mean Time to Repair (MTTR)	Outage Per 100 Sites
June 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.92	1.94	3.71%
HIS	99.71	1.16	6.06%
July 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.86	1.99	2.21%
HIS	99.74	1.05	3.20%
August 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.92	1.94	3.04%
HIS	99.75	0.97	7.87%
September 2021			
Target	≥99.5%	≤4 hrs.	
ATC	99.93	1.97	3.71%
HIS	99.76	1.24	6.06%

OUTAGES DUE TO FIBRE CUTS





9.6 New NNP Numbers Allocation

The new numbering allocation in 2021 are as follows:

S/N	Effective Date	Licensee	Numbering Range		Total Lines
			From	To	
1	11/01/2021	MYD Technologies Limited	012550000	012559999	10,000
2	28/01/2021	MTN Nigeria Communications Plc	09160000000	09169999999	10,000,000
3	19/06/2021	Brass -Wave Global Limited	084630000	084639999	630,000
4	28/09/2021	Nationwaves Telecom Nigeria Limited	093010000	093014999	5,000
5	22/11/2021	Realife Telecommunications Limited	093050000	093059999	10,000
6	31/12/2021	Interconnect Clearinghouse Nigeria Limited	07022000000	07022000199	200
7	31/12/2021	Ratel Plus Nigeria Limited	064700000	064749999	50,000

NEW NNP NUMBERS WITHDRAWN

The numbering resources withdrawn in 2021 is as follows:

S/N	Effective Date	Licensee	Numbering Range		Total Lines
			From	To	
1	05/02/2021	MegaTech Engineering Ltd.	0801000000	0801199999	2,000,000
Total Withdrawn Numbers					2,000,000

NEW NATIONAL SIGNALING POINT CODE (NSPC) ALLOCATED

The National Signaling Point Code (NSPC) assigned the year are listed below:

S/N	Effective Date	Licensee	Area	NSPC
1	24/03/2021	IMBIL Telecom Solutions Nigeria Limited	Lagos	1814 (Decimal)
2	22/11/2021	Airworld Technologies Limited	Abuja	1815 (Decimal)

NEW NUMBERING RENEWAL FEES REGIME

With effect from January 2021, the implementation of a new numbering renewal fees commenced with renewal fee per number (fixed or mobile) becoming N20/Number irrespective of the volume of numbers. In addition, the Commission also commenced implementation of the new short code pricing scheme starting from January 1st, 2021.

9.7 Electromagnetic Field Radiation (EMR) Emission Draft Guidelines

The rise in growth of Base Transceiver Stations (BTSs) deployment has prompted worrisome and increasing public concern on potential health risk from non-ionizing Electromagnetic Field Radiation (EMR) emission from Telecommunication Mast/Towers, most especially with the emergence of Fifth Generation Technology (5G). This has led to series of complaints and litigations against the Mobile Network Operators (MNOs), as well as, sealing of BTSs by Communities. These unwholesome activities usually impact negatively on Quality of Service (QoS). This necessitated benchmarking consultations and studies into the desired technical guidelines on EMR emission that will limit human exposure to radiofrequency electromagnetic radiation in the range 100 KHz– 300GHz.

Therefore, the Commission at the beginning of the second quarter (Q2) 2021, embarked upon the process of developing technical guidelines on EMR emission that limit human exposure to radiofrequency electromagnetic radiation in the range 100 KHz – 300GHz in line with global best practices. The objectives of this guideline are as follows:

1. To protect the citizen from harmful effect of Radiofrequency Electromagnetic Radiation.
2. To provide information on technical parameters (e.g., Electric Field (V/m) and Magnetic Field (A/m), Power density (W/m²) emission limits regarding human exposure to EMR.
3. To guide the telecom industry on the acceptable level of emission from telecom mast/towers.
4. To provide the methodology or procedure for conducting EMR measurements on installations to ensure compliance to radiation standards.



COMPLIANCE AND ENFORCEMENT ACTIVITIES

10



COMPLIANCE AND ENFORCEMENT ACTIVITIES

The Compliance Monitoring and Enforcement Department of the Commission handles all compliance monitoring and enforcement related activities and punishes contravention in accordance with the Nigerian Communications Act (NCA) 2003, Regulations, Directions and Policies as may from time to time be issued. Highlighted below are some of the key compliance and enforcement activities undertaken during the year in review.

10.1 Compliance Monitoring on Routing Of 10% Interconnect Traffic Through Interconnect Exchange Licensees

Pursuant to the directive that Mobile Network Operators (MNOs) and Interconnect Clearing Houses forward their monthly interconnect traffic to the Commission on/before 10th of the preceding month; submissions were received from MNOs (MTN, Airtel, EMTS, Globacom and Interconnect Clearing Houses (ICN, Breeze, Nicoon X, Solid Interconnectivity, Exchange Telecoms, Billy Ronks, Routelink, Sleekchip, Telko, IMBIL, MAFAB Comms, Enverge, Analytiq).

The reports submitted by MNOs as well as Interconnect Exchange Licensees were reviewed and identified breaches were forwarded for enforcement actions.

10.2 Forceful Subscription – EMTS

EMTS was sanctioned the sum of ₦123,817,000 (one hundred and twenty-three million, eight hundred and seventeen thousand naira) for failure to discontinue Web and Smart Messaging Subscriptions on 46,539 MSISDNs and forceful subscription of 77,278 MSISDNs. The sanction sum has been paid.

10.3 Airtel's Breach of the Direction on Forceful Subscription

Airtel was sanctioned to the sum of ₦2,397,084,000.00 (two billion, three hundred and ninety-seven million, and eighty-four thousand naira) only in respect of its breach of the Commission's Direction on Forceful Subscription, which was subsequently reduced to ₦670,121,000 (six hundred and seventy million, one hundred and twenty-one thousand naira) after several reviews. Airtel paid the sanction sum of ₦670,121,000 on August 1st, 2021.

10.4 Forceful Subscription into Value Added Service (VAS) by Airtel and Globacom

Audit exercises conducted on Forceful Subscription of Mobile Telephone Subscribers from February 1, 2020 to January 31, 2021 revealed that Airtel Networks forcefully subscribed 395,520 customers on its network which resulted in illegal deductions totaling ₦86,695,657 (eighty six million, six hundred and ninety five thousand, six hundred and fifty seven naira) while Globacom was also found to have forcefully subscribed 363,254 customers on its network which resulted in illegal deductions totaling ₦170,779,058 (one hundred & seventy million, seven hundred and seventy-nine thousand, fifty-eight naira).

In line with the Nigerian Communications (Enforcement Processes, etc.) Regulations, 2019, Airtel and Globacom were issued notices of sanction dated September 24th, 2021, in which they were directed to pay the sum of ₦10,000,000.00 (ten million naira) only respectively on or before October 11th, 2021. Airtel and Globacom were also directed to refund the affected subscribers accordingly.

Globacom had not responded or complied with the sanctions while Airtel provided further data and appealed for reconsideration of the sanction sums. This activity would be concluded in 2022.

10.5 Contravention of the Direction on Do Not Disturb (DND)

A pre-enforcement notice dated September 13, 2021, was sent to Airtel in respect of the 40,207 MSISDNs on DND that were alleged to have been forcefully subscribed to VAS services. Upon consideration of the response, Airtel was directed to, on or before December 6, 2021, refund the said sum of ₦8,110,288.00 (eight million one hundred and ten thousand, two hundred and eighty-eight naira) to the affected 40,201 subscribers. It was also directed to pay to the Commission the sum of ₦10,000,000.00 (ten million naira) only being specific Administrative Fine for contravention of the Commission's Direction on DND by December 13, 2021. This has been paid accordingly.

10.6 Breach of the Commission's Direction on End of Call Notification (EOCN)

The Commission during its routine tariff monitoring exercise observed that Globacom Limited (Globacom) did not comply with the Commission's Direction on End of Call Notification (EOCN) for tariffs approved for campuses. The Commission in its letter dated September 22, 2021 asked Globacom to explain reasons for continuous violation of the said Direction on or before September 30, 2021. However, Globacom failed to respond nor comply with the Direction. Again, during the tariff monitoring exercise for “Glo Yakata” plan, it was confirmed that Globacom was still in breach of the EOCN Direction. As a result, Pre-Enforcement Notice was issued to Globacom for continuous breach in contravention of Section 53 of the Nigerian Communications Act (NCA), 2003.

10.7 BTS Site Investigations

The Commission conducted joint site inspections to verify claims of contravention of BTS setback requirement, collapsed towers, decommissioning of abandoned telecom masts, damages to buildings, alleged health challenges, oil spillage, non-installation of aviation lights, noise pollution, abandoned towers etc. received from stakeholders. Summary of cases received in 2021 is presented in the table below:

S/N	Geo-Political Regions	No. of Cases Received	Site Inspection Conducted
1.	South-West	4	4
2.	South-East	-	-
3.	South-South	-	-
4.	North-East	3	3
5.	North-West	2	2
6.	North-Central	5	5
	Total	14	14

Table 10.1: BTS Cases Received In 2021

The Commission also conducted verification and random Surveillance and Intelligence Gathering Exercises (SIGE) across the country to ensure that BTS installations strictly adhere to the Commission's Guidelines on the Technical Specification for the Installation of Masts and Towers (2009) and the National Environmental Standards and Regulations Agency (NESREA) Regulation 2011.

S/N	MISAU, GYADE AND DARAZO LGA IN BAUCHI STATE.		ODUKPANI, AKAMKPA AND UGEP METROPOLIS, CROSS RIVERS STATE	
1.	BREACH - SET BACK		BREACH - NON-FUNCTIONAL AVIATION AND SECURITY LIGHTS	
	Globacom	1	Globacom	3
	MTN	2	MTN	12
	9mobile	2	9mobile	3
Airtel			3	
2.	BREACH - DIESEL SPILLAGE		BREACH - DIESEL SPILLAGE	
	Globacom	1	Globacom	3
3.	BREACH - ABANDONED MAST		BREACH- NOISE LEVEL ABOVE 80 DECIBELS	
	Ntel	1	Globacom	2
			MTN	1

Table 10.2: Summary of BTS Site Surveillance and Intelligence Gathering Exercise (SIGE) Conducted In 2021

Directives to ensure breaches were remedied accordingly were sent to the MNOs and InfraCos. BTS related complaints received from consumers were also addressed promptly.

10.8 Interactive Forum with Service Providers

The Commission held a virtual interactive forum on November 29, 2021 with the aim of creating a feedback mechanism for operators to assess the Commission's monitoring and compliance activities, pursuant to Section 89 of the Nigerian Communications Act (NCA), 2003. In the same vein, the forum created an avenue for the Commission to present an industry compliance report to the operators with a view to helping them improve areas of regulatory non-compliance.

Arising from the deliberations, the telcos and the Commission jointly agreed on the following perspectives for further consideration:

- ◆ The need to work together to achieve a new regime in which the industry is more compliant with minimal monitoring and enforcement activities;
- ◆ The need for harmonization of the Commission's compliance monitoring activities with a view to introducing a yearly calendar highlighting the chain of events to avoid duplicity and pressure on the operators;
- ◆ The need to institutionalize the interactive forum as a regular programme for review of challenges and the celebration of Operators with letters of commendation for excellent compliance record as a motivation;
- ◆ Reconsideration of the NCC appeal process to allow for impartial review of sanctions and other regulatory measures imposed on the MNOs;
- ◆ Development of a Compliance Framework to guide the operators in carrying out self-assessment on compliance with obligations.

10.9 Enforcement Actions on Breach of Type Approval Regulations

Pre-Enforcement Notice was issued to Original Equipment Manufacturers (OEMs) and Operators selling handsets without Type Approval Certification directing them to immediately desist from the sale/marketing of the handsets and to submit such equipment/handsets for Type Approval by the Commission. Huawei made payment of ₦2,000,000.00 fine to the Commission on 24th September, 2021 for the sale/marketing of the Huawei Y7a without approval while ₦5,000,000.00 administrative sanction was imposed against Calcare Development Nigeria Limited (Calcare) for breaching Type Approval Regulations on the sale, marketing and/or distribution of Infinix Zero X.

10.10 Technical Audits on New Sim Registration & SIM/NIN Linkage Policy

Arising from the technical audit exercises conducted in 2021, some key recommendations were made and implemented thereafter:

- a. MNOs were given two (2) weeks to remedy/correct all issues identified during the audit exercise and re-submit a clean version of its Corporate/IOT SIM Registration Data for the period, 27th April - 30th September, 2021.
- b. MNOs were directed to send notification messages to all newly registered Subscribers starting from 27th April, 2021 indicating the number of SIM Cards registered under their NIN. This is to ensure that Subscribers are aware of SIMs that are registered with their NINs.
- c. MNOs were directed to immediately deactivate subscribers that were identified to have NINs with more than 4 SIMs attached.
- d. That the Commission should commence the investigation of MNOs to determine the veracity of the allegations that BVN generated NINs are used for registering new lines.
- e. MNOs were directed to ensure that secondary subscribers submit alternate MSISDNs during their corporate registration. Also, notification messages should be sent to on-net as well as off-net numbers.
- f. MNOs were directed to restrict the ability of Mobile Station International Subscriber Directory Number (MSISDNs) (IOT/M2M SIMs) identified to be in breach of the Commission's Guidelines from browsing on their respective networks. These SIMs had full access to the internet without limitations (Access Point Name (APN) restrictions). MNOs were also directed to restrict identified IOT/M2M SIMs from making voice calls over the internet.
- g. MNOs were directed to submit periodic reports of their processes to enable the Commission identify SIM Registration Agents that are in breach of the Commission's direction prohibiting MNOs from registering more than a maximum number of four (4) lines per NIN.
- h. A directive was issued suspending Regulation 17 of the Registration of Telephone Subscribers Regulations 2011 pending when the amendments are completed.

10.11 Routine Compliance Monitoring Checks

The Commission carries out routine compliance monitoring checks on advertisements and promotions on MNOs' websites and social media platforms. Routine checks are also

conducted on License Status and Type Approval Status. A summary of the checks carried out in 2021 are presented below:

S/N	Compliance Monitoring Activity	Approved	Breaches	Total
1.	Compliance Monitoring of Adverts & Promotions	7	5	12
2.	Compliance Monitoring of License Status	1	3	4
3.	Compliance Monitoring of Type Approval Status	7	6	13

Following the checks, all discovered breaches were consequently escalated for enforcement actions.



TELECOM INDIGENOUS CONTENT DEVELOPMENT

11



TELECOM INDIGENOUS CONTENT DEVELOPMENT

11.1 The Nigeria Office for Developing the Indigenous Telecoms Sector (NODITS)

The Nigeria Office for Developing the Indigenous Telecoms Sector (NODITS) was officially established on the 5th of July 2021 as a Special Purpose Vehicle (SPV) under the purview of the Commission to stimulate the development of indigenous content in the telecommunications sector and to create top quality indigenous content to propel the sector as mandated by the National Policy for the Promotion of Indigenous Content in the Nigerian Telecommunications Sector (NPPIC).

The underlisted are the achievements of NODITS since its inception;

- a. The development of a database for indigenous telecommunications companies in Nigeria in the manufacturing and service industries.
- b. The creation of a database of SIM card manufacturers in Nigeria following the Federal Government's directives on the local production of SIM cards in Nigeria. The Office has also developed guidelines and specifications for the local production of SIM cards.
- c. NODITS is currently working on the following draft guidelines to cover the four (4) focus areas of the National Policy for the Promotion of Indigenous Content in the Nigeria Telecommunications Sector (NPPIC):
 - ◆ Draft Guidelines for Development of Indigenous Telecom Services & Software
 - ◆ Draft Guidelines for Indigenous Capacity Development in the Communications Industry
 - ◆ Draft Guidelines for Research and Development (R&D) towards Local Content Development in the Telecom Industry
 - ◆ Draft Guidelines for Local Manufacturing in the Nigerian Telecom Sector
 - ◆ Draft Guidelines for Corporate Social Responsibility for the Telecom Industry
- d. The Office has also identified some products and services that can be locally manufactured e.g., cyber cables, tower fabrication, rack fabrications, mobile phones etc. Indigenous manufacturers have also been identified in this regard.
- e. Finally, NODITS collaborated with Digital Bridge Institute (DBI) to train over 60 students on digital entrepreneurial courses that can impact and promote the digital skills knowledge amongst the graduands.

11.2 Development of the Database for the Implementation of the National Policy for Promotion of Indigenous Content in the Nigerian Telecommunications Sector (NPPIC) Directive:

A database for indigenous telecommunications companies in Nigeria carrying out manufacturing activities and service provision was developed. The database will help the Commission in determining the baseline of indigenous companies in Nigeria.

11.3 Implementation of Government Directives on Local Production of SIM Cards in Nigeria

In line with the Federal Government's directive on local SIM cards production, the Commission created a database of SIM cards manufacturers in Nigeria. Engagement sessions with the manufacturers revealed the readiness of some of the manufacturers to commence full scale manufacturing for the industry based on the willingness of the service providers to fully patronize them. In addition, issues relating to import duty and access to forex were raised for the Commission's intervention. Plans to organize a meeting with the MNOs and the local SIM cards manufacturers prior to final ban on SIM importation in Nigeria in 2022 is in progress.

The Office has developed guidelines and specifications for local SIM cards. We have also identified some certifications like International Organization for Standardization (ISO), Global System for Mobile Communications Association (GSMA) and Over-the-Air (OTA) which local SIM cards manufacturers must possess to qualify them for patronage from the MNOs and be competitive. This is important to ensure that the proposed locally manufactured SIM cards meet international standards, pass integrity tests, and are therefore secured for subscribers to use.

11.4 Development of Draft Guidelines

The Commission is currently working on the following draft guidelines to cover the four (4) focus areas of the National Policy for the Promotion of Indigenous Content in the Nigeria Telecommunications Sector (NPPIC) (manufacturing, people, services and software for Telecom sector, and research and development for digital innovation and entrepreneurship):

- a) Draft Guidelines for Development of Indigenous Telecom Services & Software
- b) Draft Guidelines for Indigenous Capacity Development in the Communications Industry
- c) Draft Guidelines for R&D towards Local Content Development in the Telecom Industry
- d) Draft Guidelines for Local Manufacturing in the Nigerian Telecom Sector
- e) Draft Guidelines for Corporate Social Responsibility for the Telecom Industry

11.5 Collaboration With Digital Bridge Institute (DBI)

To encourage the promotion of indigenous skills and transfer in the telecoms value-chain, the Office has initiated a collaboration with Digital Bridge Institute for skill transfer on mobile phone repair as part of capacity building for indigenous artisans. Furthermore, as a fallout from the maiden graduation ceremony of the Bichi Emirate Digital Literacy Programme, the Commission collaborated with the Digital Bridge Institute (DBI) to train over 60 students on digital entrepreneurial courses that can impact and promote the digital skills knowledge amongst the graduands.

11.6 Identification of Products with Potential for Local Production

The Office has been working on identification of some products and services that can be locally manufactured. Products such as cyber cables, tower fabrication, rack fabrications, mobile phones etc. have been recognized as items to be produced locally. Indigenous manufacturers have also been identified in this regard.

11.7 Research on Telecommunications Contributions to Nigeria's GDP (Gross Domestic Product):

Secondary research was carried out on a comparative contribution of various economic sectors in the last six (6) years in terms of GDP contribution to the nation. The research indicated that the telecoms industry had contributed more than other sectors except for the agricultural and trade sectors as at 2020.



Fig 11.1: According to the above statistics obtained from Statisens (obtainable through CBN/NBS) Telecommunications sector has contributed more to Nigeria GDP in the last three years (2018-2020) than the Petroleum Sector. Whereas Telecommunications sector had contributed more in four out of the six compared years, Petroleum industry had only contributed more in two years within the same period.

Therefore, based on the statistics above, Nigeria Office for Developing the Indigenous Telecom Sector (NODITS) is proposing the establishment of a Telecoms Intervention Fund by the Federal Government specifically for the Telecommunications Industry. This fund will help indigenous telecoms stakeholders to easily access funds in forms of credit facilities and thereby fast track the development of the sector.

11.8 Other Activities on Local Content Development

The Commission had various collaborative and interactive engagements with external stakeholders on Indigenous Content development. A summary of these engagements is listed below:

1. Identified and developed a Stakeholder Map for potential Stakeholders for possible engagements and collaborations towards the Promotion of Indigenous Content development in the Telecoms Sector.
2. Initiated and coordinated the Indigenous Content Development Quarterly Meeting with NITDA. The meeting held on 12th October, 2021 at NITDA HQ, in line with the mandate of the NPPIC for NCC and NITDA to collaborate towards the achievement of development of Indigenous Content in the industry.



CYBER SECURITY

INTERNET GOVERNANCE AND CYBERSECURITY

12



INTERNET GOVERNANCE AND CYBERSECURITY

12.1 Establishment and Implementation of the Telecommunications Sector Computer Security Incident Response Team (CSIRT) Co-ordination Centre

The CSIRT Co-ordination centre was commissioned on the 30th of September, 2021 and implementation commenced in earnest following the long lock down due to the COVID-19 pandemic. The NCC-CSIRT provides services to the communications sector as its primary constituency through collaborative efforts with the Nigeria Computer Emergency Response Team (ngCERT). The NCC-CSIRT commenced operations with immediate focus on the Alert and Warning functions and the Monitoring operations using the provided solutions.

12.2 Alert and Warning Advisories

The following are advisories circulated to stakeholders subsequent to the NCC-CSIRT commissioning:

Flubot Malware: The malware primarily focuses on stealing credit card details or online banking credentials, apart from personal identifiable data. It targets Android Operating systems, Mobile Networks and Telephones and impersonates security updates installations and mobile banking apps.

AbstractEmu Malware: The applications pose as utility apps and system tools like password managers, money managers, app launchers, and data saving apps. It is distributed via third-party stores such as the Amazon Appstore, the Samsung Galaxy Store.

Iranian Hacking Group: They target Telecoms, ISPs and Ministry of Foreign Affairs (MFAs) with upgraded malware. Networks of the targeted African Telecoms Companies and Internet Service Providers when infiltrated, are used as a launch pad to carry out further attacks against high profile executives and organizations. The focus of these attacks goes beyond just harvesting personal identifiable information; the attack extends to Cyberespionage.

12.3 Threat Monitoring

The Monitoring activities focused on gathering threat information:

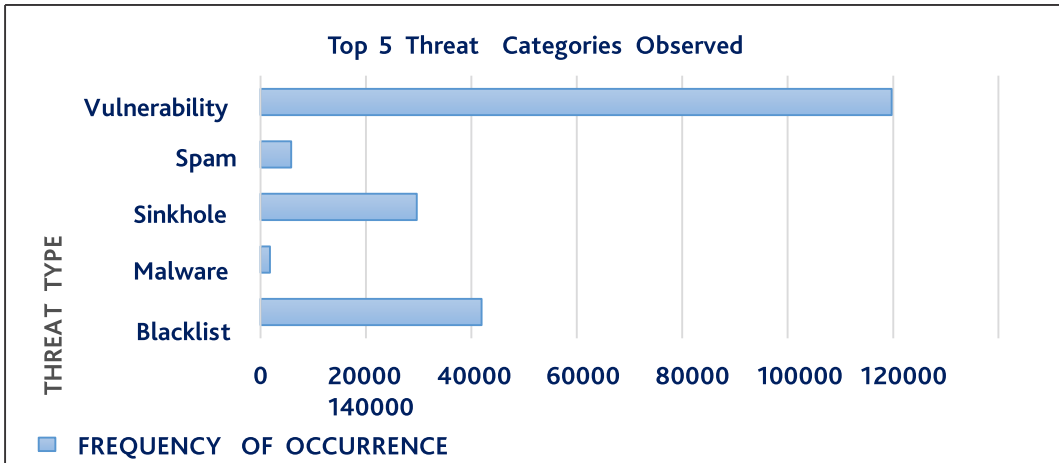


Fig 12.1: Number of threats across all 5 top threats observed

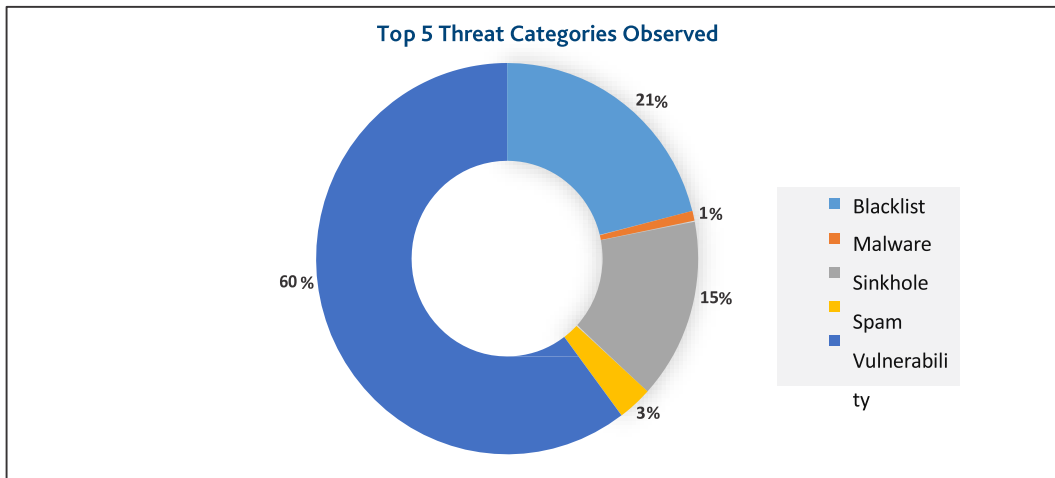


Fig 12.2: Number of threats across all 5 top threats observed

State	Threats	State	Threats
Abia	571	Imo	865
Abuja (FCT)	36056	Jigawa	74
Adamawa	211	Kaduna	805
Akwa Ibom	740	Kano	8971
Anambra	293	Katsina	111
Bauchi	86	Kebbi	158
Bayelsa	225	Kogi	14
Benue	54	Kwara	10425
Bornu	372	Lagos	118920
Cross River	710	Niger	91
Delta	1168	Ogun	2717
Ebonyi	49	Ondo	393
Edo	2045	Osun	838
Ekiti	76	Oyo	2382

State	Threats	State	Threats
Enugu	1034	Plateau	197
Gombe	90	Rivers	5741
		Sokoto	316
		Yobe	19
Grand Total		196,817	

Table 1: Threats by State for Period of Report

	Lagos	Abuja (FCT)	Kwara	Kano	Rivers
Total	118920	36056	10425	8971	5741

Table 12.1: Top 5 States with the Most Threats

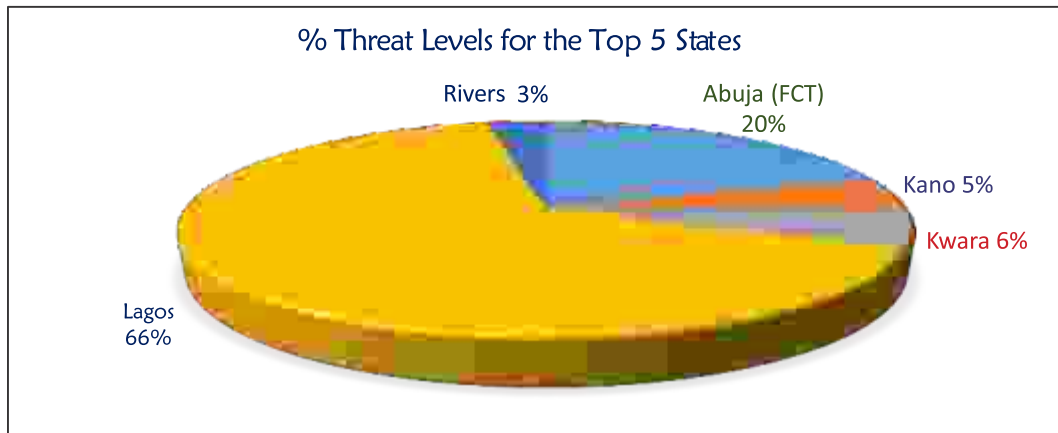


Fig 12.3: Top 5 States with the Most Threat

Malware Type	Frequency	Malware Type	Frequency
Andromeda	2764	Lethic	14418
Communications	1	Malware Download	1774
Cutwail	37	Netsky	1
Darkmailer2	1	Nymaim	18
Dofail	622	Osiris	2
Domreg	1	Ramnit	2
Flubot	7	Ranbyus	1
Foxbantrix	2	Sality	1
Gamut	2141	Stealrat	158
Gootkit	3	Tinba -Dga	3
Hosting Service	1176	Virut	13616
Kelihos	4	Zloader	21
Kronos	2	Total	36776

Table 12.3: Prevalent Malwares Observed

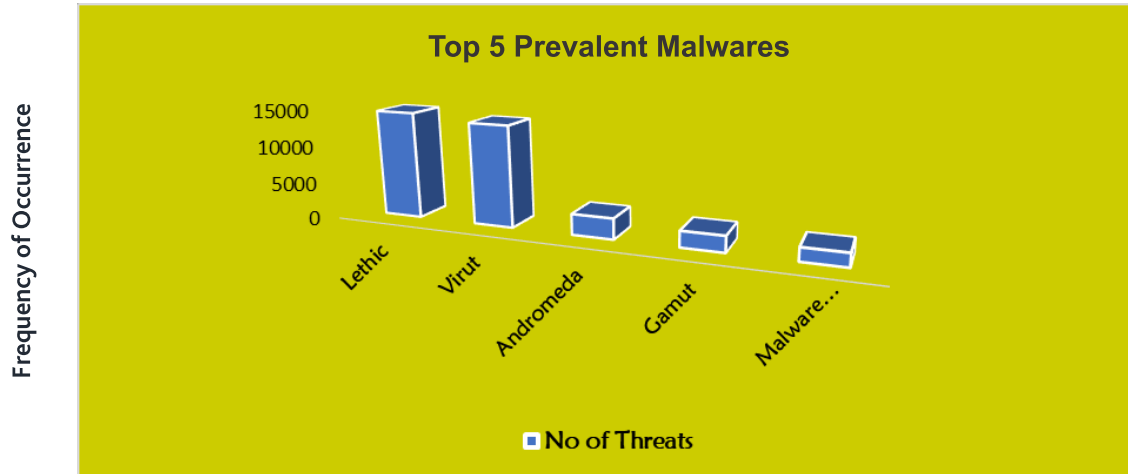


Fig 12.4: Top 5 Prevalent Malwares

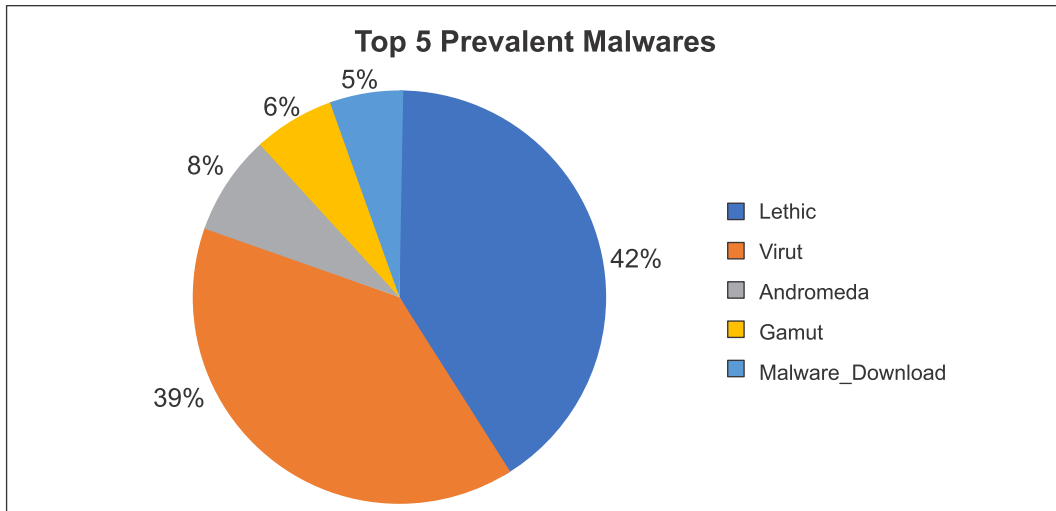


Fig 12.5: Percentage Threat Levels for the Top 5 States

12.4 IP Address Management

National Internet Resource (NIR) Management System:

The database hosts 413 records of organizations from different affiliations that hold Internet Number Resources (INR) in Nigeria as at the year end. The figure below indicates organization % by affiliation.

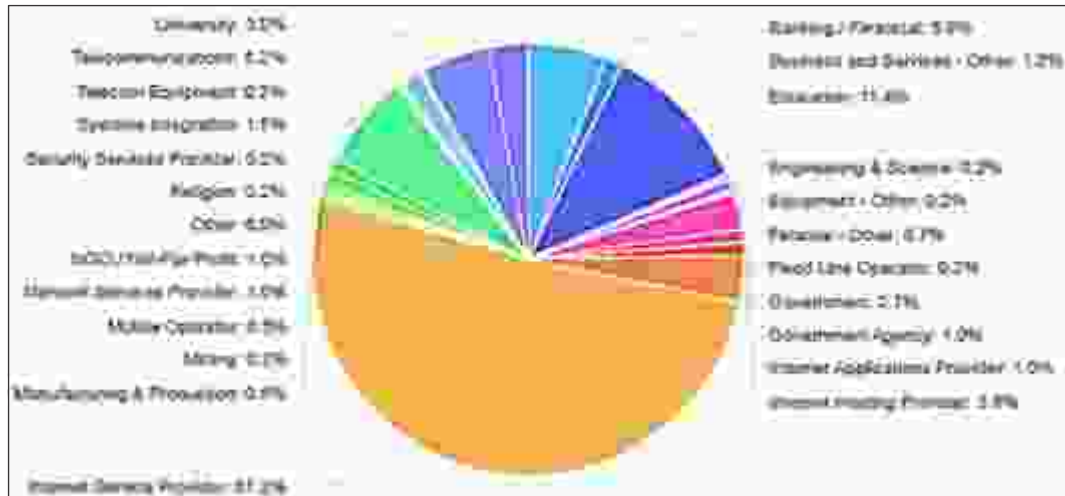


Fig. 12.6: Organizational Percentage by affiliations

12.5 African Network Information Centre (AFRINIC) Limited Collaboration

The Commission signed a Memorandum of Understanding (MoU) with the African Network and Information Centre (AFRINIC) which is the Regional Internet Registry (RIR) of Africa to accelerate the deployment of Internet Protocol version Six (IPv6) in Nigeria. Furthermore, AFRINIC approved the Commission's application for Internet Number Resources such as IPv4, IPv6 and Autonomous System Number.

12.6 Africa Safer Internet Day

The Commission in collaboration with the Internal Working Group (IWG) on Child Online Protection (COP), Civil Society Organization: (Like a Palm Tree Foundation and Internet Society Nigeria Chapter), and Child Online Africa (COA) Ghana collaborated to take the Africa Safer Internet Day (ASID) sensitization campaign to two schools in Abuja and Lagos each, as well as a visitation to another school in Abuja with the Internet Society of Nigeria, Abuja Chapter, all on February 9th, 2021.

The Commission also corroborated with the Child Online Africa, Ghana, to host the second virtual 'Fireside Chat with Children' across the continent (Africa) on February 27th, 2021, as part of the series of events in support of the Africa Safer Internet Day 2021 celebration. Some of the key discussions from the chat include the following:

- ◆ How to promote the safety and wellbeing of the African child online.
- ◆ What kind of information should be used on social media profile pages?
- ◆ Creating awareness on child online protection and how to identify criminal activities online.
- ◆ Ensuring child online safety is a multistakeholder effort.

12.7 Girls in ICT Day

The International Girls in ICT Day is a day set aside by the International Telecommunications Union (ITU) to build awareness about the gender digital divide, support technology education and skills training, and encourage more girls to actively pursue careers in Science, Technology, Engineering and Mathematics (STEM). The year 2021 Girls in ICT Day was celebrated on April 22nd, 2021 under the theme: **Connected Girls, Creating Brighter Future** and the Commission participated at the event in Abuja and Lagos States.

On May 25th, 2021, the Commission leveraged on moment '5' which is "Online Safety" and celebrated the ITU's Girls in ICT by visiting 8 schools (2 each in Abuja, Lagos, Kano and Port Harcourt) to carry out sensitization campaign on Child Online Protection.

12.8 Maiden Edition of the Telecom Consumer Conversation

In the month of May, the Commission made a presentation on Keeping the Children Safe Online – Advise to Parents and Care givers at Garki International Model Market, Abuja educating participants and parents on how to keep children safe online.

12.9 AU Day of the African Child 2021 (DAC)

DAC is celebrated every year on June 16th, and it is a time for the world to reflect on the progress made towards children's rights, as well as the barriers they continue to face. DAC 2021 was celebrated by the Commission on Saturday, 3rd July 2021 in collaboration with Child Online Africa, Ghana by having a virtual Fireside Chat with children from Nigeria and other African countries. The session was designed to enable children from African countries lead conversations on their concerns with the digital space.

12.10 National Cyber Security Awareness Month (NCSAM)

NCSAM is a global event that holds annually in October and the Commission uses the NCSAM platform to further Child Online Protection (COP) sensitization campaign. The year 2021 event was celebrated under the theme: 'Do Your Part. #BeCyberSmart'. All recordings of the event have been published on the Commission's website and social media handles.

12.11 Translation of Child Online Protection books into Pidgin English, Yoruba, Hausa and Igbo (πWaZoBia)

In the period under review, the Commission finalized the localization and translation of the International Telecommunications Union (ITU)s revised guidelines on Child Online Protection (Online with Agent COP and Online Safety Activity Book - Work with Agent COP) into Pidgin English, Yoruba, Hausa and Igbo (πWaZoBia), which are the most spoken Nigerian languages to suit the Nigerian populace.

Translation of the books aims to disseminate COP matters in the dominant Nigerian languages for ease of acculturation, thereby bridging the digital literacy gap, increasing acceptability of the Nigerian languages to the public, and protecting the confidence of users' at all social strata. Copies of the books have been uploaded on the Commission's website and social media handles.

12.12 Nigerian Internet Governance Forum (NIGF)/African Internet Governance Forum (AFIGF)

The Commission is currently the Chairperson of Nigerian Internet Governance Forum Multi-Stakeholder Advisory Group (NIGF-MAG). The NIGF website was successfully redesigned and was updated with the necessary information. Also, at the request of the African Union Commission, the Commission successfully hosted the Virtual AFIGF from 14th – 16th December, 2021.

12.13 Internet Corporation for Assigned Names and Numbers (ICANN)

- a. **ICANN 70, Cancun, Mexico:** During the Special Meeting of the ICANN Board, which held on January 14th, 2021, the Board resolved that ICANN70 shall not proceed as an in-

person meeting and will be strictly virtual due to continued concerns about the COVID-19 pandemic.

ICANN 70 Virtual Community forum was the first meeting for 2021. It started with the prep week from 8th – 9th March, 2021 and concluded with the forum from 22nd – 23rd March, 2021, which featured one plenary session, a public forum and a public meeting of the ICANN Board. As the first meeting of the year, ICANN70 provided a platform for Supporting Organizations and Advisory Committees to advance policies and give advice on priority areas.

The Governmental Advisory Committee (GAC) reflected on matters related to previous Consensus Advice provided to the ICANN Board including DNS abuse, Public Interest Commitments, International Governmental Organization (IGO) identifiers, rights protection mechanisms, and New gTLD Subsequent Procedures and domain name registration data, including the GNSO EPDP Phase 2, data accuracy, and policy implementation. The GAC also conducted bilateral meetings with the ICANN Board, the At-Large Advisory Committee (ALAC), and members of the GNSO, including the GNSO Council leadership.

- b. **ICANN 71, Hague, Netherlands:** Due to the global concerns about COVID-19, it was agreed per ICANN Board resolution on 11th March 2021, in response to the public health emergency of international concern posed by the global outbreak of COVID-19, that ICANN71 would transition from an in-person meeting in the Hague, Netherlands, to a remote participation-only meeting.

ICANN71 Virtual Policy forum meeting was the second meeting for 2021, which held June 14th – 17th and was preceded by ICANN prep week that held June 1st – 3rd. It featured organizations, individuals from around the world including the Commission.

ICANN 71 consisted of a series of technical workshops, three plenary sessions and a session dedicated to the future of ICANN meetings post pandemic and the possibility of resuming in person meetings.

The Governmental Advisory Committee (GAC) reflected on matters related to previous Consensus Advice provided to the ICANN Board including DNS abuse Mitigation, IGO Protection Matters and Subsequent Rounds of new gTLDs, RDS/WHOIS, Data Protection and ICANN return to in person meetings.

The GAC also conducted bilateral meetings with the ICANN Board, the At-Large Advisory Committee (ALAC), and members of the GNSO, including the GNSO Council leadership.

- c. **ICANN 72, Virtual**

ICANN 72 Virtual Annual General meeting was the last meeting for 2021, the prep week for the forum was from October 12th - 14th, 2021 while the main forum was from October 25th - 28th, 2021. The Commission participated at the Governmental Advisory Committee (GAC) sessions, and other sessions related to the Commission's role as a Regulator. The GAC tailored its ICANN 72 agenda to priority topics and drafting of the ICANN72 GAC Communiqué, while maintaining flexibility for GAC participants to engage in other ICANN72 sessions.

12.14 Internet Governance Forum (IGF):

The Internet Governance Forum (IGF) is a global multistakeholder platform that facilitates discussions of public policy issues relating to the Internet. The IGF informs and inspires stakeholders with policy-making power in both the public and private sectors.

The 2021 IGF was held as a hybrid event from 6th – 10th December, 2021 in Katowice, Poland. The theme for the year was "Internet United", with six thematic tracks themes and high-level sessions aimed at discussing internet issues with the nation's Ministers and Parliamentarians. The six tracks were as follows:

- a. Economic and Social Inclusion and Human Rights
- b. Universal Access and Meaningful Connectivity
- c. Emerging Regulation: Market Structure, Content, Data and Consumer Rights and Protection
- d. Environmental Sustainability and Climate Change
- e. Inclusive Internet Governance Ecosystems and Digital Cooperation and
- f. Trust, Security and Stability.

12.15 Cyberbullying Survey Report

The Commission carried out a survey on Cybersecurity with the objective of providing an insight into the level of awareness on cyberbullying, its effect and to also provide solutions to minimize the effect it has, especially on young children in the Country. The survey focused on the level of internet usage by the public; how prevalent cyberbullying is and recommendations to curb the occurrences. The result of the survey has been published on the Commission's website and has also been disseminated on the Commission's various social media platforms.



NCC PROJECTS IN 2021

13



NCC PROJECTS IN 2021

13.1 SIM Card Registration

The distinct components of the project (Data capture/transmission and establishment of the Central Database) are 95% completed. The subscriber registration component of the project (data capture/transmission) is a continuous exercise and all active SIMs in the country are duly registered.

Also, about 7,000,000 valid subscriber records were scrubbed via the Automated Fingerprint Identification System (AFIS). This means 40,000,000 valid subscriber records have been successfully scrubbed representing 100% of the 40 million subscriber records that are to be scrubbed by the Backend Solution Provider.

Furthermore, in consonance with the primary objective of the SIM Card Registration Project, the Commission continued to provide necessary support to the Security Community through the Office of the National Security Adviser, which has a direct link to the Central database to interrogate the database for vital information on persons of interest to the Security and allied agencies such as the Economic and Financial Crimes Commission (EFCC), the Independent Corrupt Practices Commission (ICPC) and some formations of the Nigerian Police.

13.2 Implementation of the Revised National Identity Policy for SIM Registration - MSISDN-NIN Harmonisation Project (Linkage of Active SIMs to Subscribers NIN)

Pursuant to the Federal Government directive towards implementation of the mandatory use of NIN in the telecommunications industry, activation of new SIMs was immediately suspended by MNOs and the MSISDN-NIN harmonisation project was embarked upon through collaborative efforts of the NCC, National Identity Management Commission (NIMC) and MNOs.

The Revised National Digital Identity Policy for SIM Registration (RNDIP), which was officially launched by the President on 6th May 2021 under the leadership of the Honourable Minister of Communications and Digital Economy for implementation by the telecommunications industry, mandates NIN as a requirement for SIM Registration/Activation and SIM Replacement transactions and itemizes guidelines for the conduct of these transactions.

To successfully implement the Revised National Identity Policy as mandated by the Federal Government (Linkage of Active SIMs to Subscribers NIN), three (3) major activities are being carried out by the NCC, NIMC and MNOs:

- a) Submission/collation of subscriber's NIN for verification & linkage to MSISDN by MNOs.

- b) Integration of MNO and NIMC systems and harmonisation of the SIM Registration Database with NIN Database (i.e, NIN verification and linkage to MSISDNs)
- c) NIN enrolment for subscribers without NIN

Significant progress has been made on the implementation of the harmonisation project, with the following milestones achieved at the end of the reporting period:

a. Submission of Subscribers' NIN for Verification & Linkage to MSISDN by MNOs

A total of 123,963,226 telephone lines (MSISDNs) across all MNOs have submitted NINs for linkage by MNOs through the various NIN collection channels (64% of the national subscriber base).

b. Integration of MNO and NIMC Systems and Harmonisation of the SIM Registration and NIN Databases (i.e, NIN verification and linkage to MSISDNs):

Connectivity and integration of MNO and NIMC systems for NIN verification to facilitate linkage of NIN to users SIMs was successfully completed and NIN verification and linkage to MSISDNs is currently underway in earnest.

c. NIN Enrolment

To close the gap of the number of subscribers without NIN, MNOs were issued licence to carry out NIN enrolment on behalf of NIMC. Accordingly, MNOs deployed 4,744 NIN Enrolment Outlets at the end of the reporting period.

Consequently, alongside other NIMC Enrolment partners, over 28million new NIN enrolments have been achieved during the reporting period, growing the number of NIN holders from 43million to over 71million during the reporting period.

d. Resumption of Sale and Activation of New SIMs

Further to the Federal Government directive lifting the ban on sale and activation of new SIMs with effect from 19th April 2021, over 26,000 MNO customer centers across all networks were physically inspected and certified nationwide to ensure that SIM registration/Activation transactions are securely conducted in MNO operated controlled environments. This would ensure that incidence of pre-registered/ fraudulently registered SIMs are reduced to the barest minimum.

e. Review & Amendment of the Registration of Telephone Subscriber Regulations (2011) and Guidelines for SIM Replacement

Pursuant to the Revised National Identity Policy for SIM Registration, the Registration of Telephone Subscribers Regulation (2011) as well as the SIM Replacement Guidelines are being reviewed/amended to reflect the policy. The review of these Regulatory Instruments is in advanced stages having concluded the Public Inquiry and subsequent incorporation of stakeholder comments in November 2021 and December 2021 respectively.

13.3 Special Projects

To further fulfil its contributions to the delivery of the goals and objectives of some of the Pillars of the National Digital Economy Policy and Strategy, NDEPS (2020 – 2030), the Commission embarked on special initiatives that seek to develop and enhance the capacity of Nigerians from a segment of industry stakeholders, internally displaced persons and youths in

Information and Communication Technology. They include:

a. Digital Literacy Training for Youths Across the Country

This Project was designed to train youths across Nigeria to build their capacity in ICT Skills and improve their employability and job creation capacity in the digital era.

b. Techpreneurship Training for Resettled Internally Displaced Persons (IDPs) and Construction of Community ICT Centres

This project was designed to provide requisite ICT training and Community ICT centres for resettled internally displaced Persons in the most vulnerable and affected areas in the North-East - (Adamawa, Borno and Gombe States) to ease their integration and survival in their resettled communities and also reduce the shortage of training facilities in the region. Fully equipped Modern ICT laboratories were constructed and the youths were trained in the following areas:

- i. Basic digital literacy
- ii. Entrepreneurship
- iii. Computer appreciation
- iv. Graphics design
- v. Web development
- vi. Digital marketing

c. Digital Entrepreneurship Capacity Building for Industry Stakeholders

This training was carried out across the six geopolitical zones and the FCT. The training was targeted at specific strata of the telecoms industry stakeholders that are Small and Medium scale start-ups and enterprises desirous of building capacity in ICT. The program was structured to stimulate critical thinking and encourage digital entrepreneurial initiation with topics drawn from leadership development, business networking, repairs and maintenance of ICT equipment, digital marketing, and telecentre/cybercafé start-ups amongst others. The Honourable Minister of Communications and Digital Economy, Professor Isa Ali Ibrahim (Pantami) declared the nationwide training open on the 26th of November 2021 at the Gombe training Centre.

13.4 Public Private Partnership Projects

a. Revenue Assurance Solution

In 2016, the need was identified for an integrated Revenue Assurance Solution (RAS) in the telecommunication industry in Nigeria to block leakages and increase revenue generation for the Government. In this regard, the Commission commenced the process for the provision of an effective and efficient Revenue Assurance System (RAS) for the Nigerian Telecoms Industry. The proposed system would be able to monitor and audit the accounting and BSS/OSS system to gain detailed view of the telecommunications market, the revenue and cost associated with traffic based on actual data records generated from the networks. It would also be able to generate customized reports that can describe and quantify the telecommunications business in Nigeria. The project is currently ongoing.

b. Device Management System (DMS)

The Commission intends to deploy a stand-alone Device Management System (DMS) that is cost effective, widely accepted, and integrates with NCC and Network Operating Companies under a PPP arrangement, to combat proliferation of fake substandard and cloned/stolen mobile devices. The project is expected to commence in January, 2022.



LEGISLATIVE AND GOVERNMENT RELATIONS

14



LEGISLATIVE AND GOVERNMENT RELATIONS

The Commission continued in sustaining mutually beneficial relationships with the various Committees in Houses of the National Assembly through visible participation at Public Hearings organized by relevant Committees in both Houses. The details of its efforts are highlighted below:

- a. The Commission honored an invitation to a public hearing organized by the Senate Joint Committee on Communications, Science & Technology in connection with deployment of Fifth Generation (5G) Technology in Nigeria. The public hearing held on Thursday 25th February 2021 at the NASS Complex, Abuja.
- b. Following a request received from the Chairman, House Committee on Public Accounts, the Commission submitted twenty-five (25) hard copies and soft copies of documents of all revenues generated and remitted to the Federation Account by the NCC from 2014 - 2018, to the Committee's Secretariat on Wednesday, April 7, 2021.
- c. The Commission submitted records of its procurement activities from 2013 to date to the Chairman, Senate Committee on Public Procurement on 28th April, 2021 as requested.
- d. Following the receipt of a request from the House of Representatives Committee on Telecommunications, 30 copies of the Commission's presentation on the "Impasse Regarding N42bn Debt between Telecommunications Operators, Banks and other Financial Institutions" were submitted to the Committee's Secretariat on Tuesday, May 18, 2021.
- e. The Commission honored invitations to meetings coordinated by the Senate Committee on Finance with regards to the investigation of the Remittance of one percent Stamp Duties into the Consolidated Revenue Fund (CRF) Account from 2018 to date on Thursday, May 20, 2021, and Tuesday, June 1, 2021.
- f. The Commission honored an invitation to a public hearing organized by the Senate Committee on Communications with regards to the **Nationwide Toll-Free Emergency Number (Establishment) Bill, 2021 (SB. 583)**. The Public hearing held on Monday, May 24, 2021, at Senate New Building, NASS Complex.
- g. Thirty (30) copies of the Commission's Memorandum on the Review of the National Emergency Number Bill, 2021 were delivered to the House Committee on Communications Secretariat on Monday 24th May, 2021.
- h. Fifteen (15) copies of all documents of the Commission's implementation status of the Nigerian Communications Act 2003 were submitted to the House Committee on Legislative Compliance on Tuesday, June 1st, 2021.

- i. The Commission's attended an Interactive Session on the "Spate of Growing Insecurity in Nigeria" organized by the Senate Committees on Legislative Compliance and Communications. The Interactive Session took place on 7th June, 2021 at the New Senate Building.
- j. The Commission delivered twenty (20) hard copies and one (1) soft copy to the Senate Committee on Anti-Corruption and Financial Crimes on the level of the Commission's implementation of the National Anti-Corruption Strategy 2017-2021 as requested.
- k. The House of Representatives Committee on Public Procurement requested the Commission to submit 25 copies of all the following documents. These were forwarded to the Committee on 25th June, 2021 at the Committee Secretariat, White House, House of Representatives, National Assembly Complex:
 - Procurement Plan for 2019, 2020 and 2021
 - Approved Capital Budget for 2019 – 2021
 - Records of Internally Generated Revenue
 - All Procurement Files
 - Projects executed from 2019 to 2020
- l. As requested by the Senate Committee on Anti-Corruption & Financial Crimes, the Commission delivered a soft copy and twenty (20) hard copies of all relevant documents to the Committee on the level of implementations of the National Anti-Corruption Strategy 2017-2021 (NACS) on Monday, June 7, 2021. The Commission also met the Senate Committee on Anti-Corruption & Financial Crimes on Tuesday, June 15th, 2021 and briefed the Committee on the level of implementation of the National Anti-Corruption Strategy 2017-2021 (NACS). This meeting took place at the New Senate Building, National Assembly Complex.
- m. The Commission participated at an Interactive Session before the House of Representatives Committee on Safety Standards and Regulations on 8th July, 2021 at Conference Room 028, House of Representatives, National Assembly.
- n. The Commission briefed the House of Representatives at its plenary on Friday, 16th July, 2021 in respect of a Bill for an Act to repeal the Electoral Act No. 6, 2010 and enact the Federal Act 2021, to regulate the conduct of elections in the Federal, States and Area councils in the FCT and other related matters.
- o. The House Committee on Insurance and Actuarial Matters, requested the following information on all insurance assets of the NCC from 2017 till date:
 - Name of the Insurance companies and Brokers that handled the Insurance transactions
 - Their addresses,
 - Classes of Businesses,
 - Proportion Handled
 - Period of Insurance.

This was submitted on Wednesday, 28th July, 2021.

- p. The Commission attended a meeting with the Joint Committees on Finance, National Planning, Foreign & Local Debts, Banking, Insurance, and other Financial Institutions, Petroleum Resources (Upstream), Down Stream Petroleum Sector & Gas on the 2nd of September 2021 to deliberate extensively on the 2022-2024 Medium Term Expenditure Framework (MTEF) and Fiscal Strategy Paper (FSP) Budget preparation.
- q. The Commission appeared before the House Committee on Finance for an interactive session on 19th August 2021 and twenty (20) hard copies of the medium-term expenditure framework 2021/2022 of the Commission was submitted to the House Committee.
- r. The Commission honored an invitation to attend a one-day public hearing organized by the House of Representatives Committee on Science and Technology concerning a "Bill for an Act to Establish the Chartered Institute of Computer Forensic of Nigeria and For Related Matters" (HB.1491). The public hearing held on Tuesday, 26th October, 2021, in the National Assembly Complex.
- s. The Commission attended a Public Hearing organized by the Senate Committee on Trade and Investment in respect of "A Bill for An Act to Repeal the Copyright Act Cap C28 LFN 2004 and to Re-Enact The Copyright Act 2021 And for Matters Connected Therewith, 2021 (sb.688)". The Public Hearing held on Tuesday, 12th October, 2021 at the National Assembly Complex. Ten (10) hard copies and a soft copy of the Memorandum was also submitted to the Committee's Secretariat.



REGULATORY ACTIVITIES

15



REGULATORY ACTIVITIES

15.1 Freedom of Information (FOI) Requests

i. APL Akindelano Legal Practitioners

The Commission received a Freedom of Information request from the firm of APL Akindelano Legal Practitioners, regarding Peace Global Satellite Communications Limited (PGSC). The Commission responded, noting that PGSC is not a licensee of the Commission and that in line with Section 14(1) (c) of the Freedom of Information Act, 2011, the Commission was unable to accede to its request.

ii. Paradigm Initiative

Paradigm Initiative requested information on the revised National Identity Policy for SIM Card Registration. The Commission responded that the information is not in its custody and is therefore unable to provide same as the document was developed by the Ministry of Communication and Digital Economy.

iii. Public & Private Development Centre Ltd (PPDC)

The PPDC requested for information on the 2019 Public Finance Expenditure Records based on the FOI Act, 2011. The Commission has responded to the firm accordingly.

iv. Basic Rights Watch

The Commission had earlier received a Freedom of Information request from Basic Rights Watch, regarding records of payment for capital projects released to or accrued by the Commission in the year 2019. This has been forwarded to Basic Rights.

v. International Centre for Investigative Reporting

The International Centre for Investigative Reporting requested the list of projects sponsored by members of the National Assembly in the Commission. The Commission responded that such information was not in its custody and as such was unable to accede to the request.

vi. BudgIT Foundation/Heritage Times

The Commission responded to the Freedom of Information requests from BudgIT Foundation, noting that the Public-Private Partnership entered by the Commission were undergoing procurement processes and are yet to be finalised.

15.2 Regulatory Requests

Mogboh, Ekoh & Associates

The Commission received a letter from the firm of Mogboh, Ekoh & Associates requesting the call data records (CDR) of voice calls of certain telephone numbers required in the case between Mr. Titus Chinedu Anioke V. Ugochukwu Simon Morgan Okeke & 3 Ors. The Commission reviewed the letter and responded that in line with the provisions of the Enforcement Regulations, such requests could only be attended to when signed by a police officer not below the rank of Assistant Commissioner of Police or its equivalent in any of the relevant security agencies. Accordingly, the firm was advised to redirect its request through the relevant authorities for proper attention.

15.3 Change In Shareholding Structure

The following companies were issued an Approval-in-Principle following the requests received by the Commission to effect a change in its Shareholding structure above the prescribed threshold of 10%:

- a. Cowrie Integrated Systems Limited
- b. BrainShare Technologies & Services Limited
- c. Malband Communications Limited
- d. Medallion Communications Limited
- e. Anchor Telecoms Nigeria Limited
- f. Nextgen Telesolutions Limited
- g. Reime West African Limited
- h. AE technologies
- i. Pisi Mobile Network
- j. Pisi Integrated Services Limited

Final Approval was issued to the following companies to effect a change in their shareholding structure above the prescribed threshold of 10%:

- a. PAN African Towers Limited
- b. Coloplus Worldwide Services Limited
- c. Reime West Africa Limited

15.4 Legal/Regulatory Meetings

a. Curbing the Tide of Ponzi Schemes - The Role of the Regulator"

The Commission was represented at a workshop hosted by the SEC in collaboration with the Attorneys General Alliance/Africa (AGA/AFRICA) with the theme "**Curbing the Tide of Ponzi Schemes – The Role of the Regulator**" which held at the Sheraton Hotel, Abuja from March 2nd – 3rd, 2021. The objective of the workshop was to articulate ways of reducing the menace of Ponzi Schemes in the Nigerian Financial System. It was resolved at the end of the workshop that the SEC should heighten sensitization as well as collaborations with all relevant agencies such as Central Bank of Nigeria, Corporate Affairs Commission, and the Security agencies.

b. Memorandum of Understanding (MoU) between the Committee of Banks and MNOs on the USSD Charge and Outstanding Fees

The Commission met with the Chief Executive Officers of Mobile Network Operators (MNOs) in respect of a Memorandum of Understanding (MoU) between the Committee of Banks and MNOs on the USSD charge and outstanding fees due to MNOs from the banks.

c. Meeting with Facebook Officials

In a meeting with the officials of Facebook who sought clarifications on the wholesale Open Access fiber Optic Network as well as the licensing framework, it was resolved that Facebook should forward all relevant questions for review and appropriate response.

d. Nigerian Security and Civil Defence Corp (NSCDC)

The Commission met with the Nigerian Security and Civil Defence Corp (NSCDC), Kebbi and Enugu State Commands on 7th June and 17th -18th June, 2021 respectively. The aim of the visit was to ascertain the prosecution status of the arrest made during the enforcement exercises carried out in respect of the illegal sale of fully registered SIM cards from November 13th - 15th, 2019 in Kebbi State and the illegal usage of the 5.4 GHz band in March, 2020 in Enugu State. It was reported on both occasions that the suspects were never arraigned in court, but released on bail at the recognition of their relatives and nothing else was done due to the upsurge of the COVID pandemic in Enugu State. The Commission, however, advised that the suspects be rearrested and prosecuted in court.

e. NATCOM

The Commission met with NATCOM Development & Investment Limited and its financiers, Africa Finance Corporation (AFC) to discuss plans to defray its outstanding regulatory fees to the Commission. At the meeting, NATCOM proposed a repayment plan of 5 (five) years, and it was resolved that NATCOM should forward its proposal to the Commission for further review.

f. ATC Nigeria Wireless Infrastructure Limited

Letters were received from ATC Nigeria Wireless Infrastructure Limited (ATC), requesting the Commission's advice in respect of letters it received from Capagate Investment Company Limited (Capagate) asking for baseline data on telecommunication masts in Kano State and from the Kano State Board of Internal Revenue Services (KIRS) requesting it to forward the details of all its BTS within Kano State.

The Commission responded, noting that the Federal Government of Nigeria has classified telecommunications infrastructure as Critical National Infrastructure. It therefore advised that based on the provisions of The Cybercrimes (Prohibition, Prevention, Etc.) Act 2015 and in view of the national security concerns as well as prevailing security challenges in the country, the matters should be forwarded to the Office of the National Security Adviser (ONSA) for its further review and guidance accordingly.

g. Shutting Down of IHS Base Transceiver Stations

The LRS Department received a memo from TSNi Department requesting advice on a letter from IHS Nigeria Limited to Arith & Paul Limited. In that letter, which the Commission and the Office of the National Security Adviser (ONSA) were copied, IHS had alleged that Arith & Paul, acting on behalf and on the instruction of National Railway Corporation (NRC), was shutting down Base Transceiver Stations within the NRC corridor in Kaduna and its environs. The Commission noted that the issues raised bordered on national security following the

designation of Telecoms infrastructure as Critical National Infrastructure (CNI). It was therefore necessary to draw the attention of the ONSA to the issue for its intervention order to halt the shutting down of Base Transceiver Stations, due to its impact on Telecommunications quality of service within the designated area.

h. Adebest Technologies Nig. Ltd

The Commission received a letter from Adebest Technologies Nig. Ltd alleging that some State Governments, particularly Ekiti, Ondo and Kwara State were collecting rent and permits from telecoms companies without remittance to the Commission. It further asked for clarification as to whether Section 135 of the NCA, 2003 allows State Governments to collect revenue from telecoms Companies in their respective States without remitting to the Commission. The Commission opined that the NCA, 2003 did not vest any power on the State to collect any form of revenue on behalf of the Commission and that a licensee is only obligated under Section 135 of the NCA, 2003 to obtain approvals and permits from States and Local Government.

i. ALTON

The Commission received a letter from ALTON seeking guidance from the Commission on a request by the Lagos Inland Revenue Services (LIRS) asking EMTS to grant it access to subscribers' personal information for the purpose of collecting taxes on behalf of Lagos State Government. Upon review, the Commission advised ALTON to decline the request and advised LIRS to channel the request through the Office of the National Security Adviser (ONSA).

j. PayCom Nigeria Limited:

PayCom sought the intervention of the Commission due to the increased fraudulent calls targeted at its customers. The Commission advised that the complainant should report the matter to the appropriate law enforcement agency for necessary action as the Complainant is not a licensee of the Commission and the issue raised is criminal in nature.

15.5 Application to Surrender Licence

The following companies applied to surrender their license and having fulfilled all regulatory requirements, the Commission approved as requested:

- i. Compton Green Limited
- ii. Dotmac Technologies Limited
- iii. Broadbased Communications Limited
- iv. Verse Global Innovation Limited
- v. Crust Resources Limited Al-Webel Star Trading Limited
- vi. Rancard Mobility Nigeria Limited



EMERGENCY COMMUNICATIONS CENTRES (ECC)

16



EMERGENCY COMMUNICATION CENTRES (ECC)

16.1 Introduction

The establishment of Emergency Communication Centres across the Country is one of the statutory responsibilities of the Commission as outlined in Section 107(3) (a) & (b) of the Nigerian Communications Act 2003. One Emergency Communication Centre (ECC) is planned per State of the Federation to ensure that there is adequate emergency communication infrastructure across the Country. There are currently 24 active and operational ECC Centres spread across the Six (6) geopolitical zones. The Commission is in the process of constructing one center in Bayelsa state whilst rehabilitating inactive centres to increase the geographical spread.

16.2 Commissioning of Emergency Communication Centres

The Nigerian Communications Commission in collaboration with the Federal Ministry of Communications and Digital Economy commissioned a total of five (5) ECCs across the Country. The Honourable Minister for Communications and Digital Economy, Prof. Isa Ali Ibrahim (Pantami) performed the virtual commissioning of the following centres:

- i. ECC Enugu: 23rd April 2021
- ii. ECC Ogun: 23rd April 2021
- iii. ECC Ondo: 31st May 2021
- iv. ECC Kogi: 13th August 2021
- v. ECC Benue: 19th August 2021

16.3 Engagements and Collaborations

The Commission collaborated with emergency response agencies and State Governments for efficient service delivery in the management of the Emergency Communication Centres. These include:

- a. The SAFECITY CCTV Surveillance Project which is an initiative of the Ekiti State Government aimed at CCTV Security surveillance of the city collocated at the ECC in Ekiti state
- b. The deployment of Computer Aided Dispatch systems with digital mapping solution to various response agencies' command centres in some of the states across the geopolitical zones to improve efficiency in the dispatch of emergency calls to the response Agencies. The Commission is working to ensure these deployments are replicated across the country and utilized optimally.

16.4 112 Toll Free Number Calls in 2021

The ECC centres received over fifty-three million calls (53,000,000.00) in the year 2021 out of which over thirteen thousand (13,000.00) were emergency calls received in real time. Data on calls received were collated from monitoring and operational reports. Analysis of these data shows that calls were received generally relate to the following emergencies and incidents:

- i. Armed Robberies
- ii. Kidnappings
- ii. Abandoned babies
- iii. Flooding
- iv. Accidents
- v. Fire incidents
- vi. Electrocutions
- vii. Communal clashes
- viii. Civil unrest
- ix. Dead bodies
- x. Suicides
- xi. Health scare emergencies
- xii. Covid-19 calls/enquiries
- xiii. Missing persons
- xiv. Telecom network issues

Emergency calls received were all dispatched to the appropriate emergency response agencies while callers were sensitized on where to route the calls that require the attention of other telecommunication network operators and other relevant bodies. Moreover, with the increased awareness of the use of 112 toll-free number, we are hopeful that the number of non-emergency calls will reduce in order to free the 112 line for faster access and response to emergency calls. The publicity strategies adopted by the Commission with the commissioning of more ECC Centres across the nation has helped improve awareness in this regard.



Fig. 16.1: Breakdown of Number of Emergency Calls Received in 2021 by States

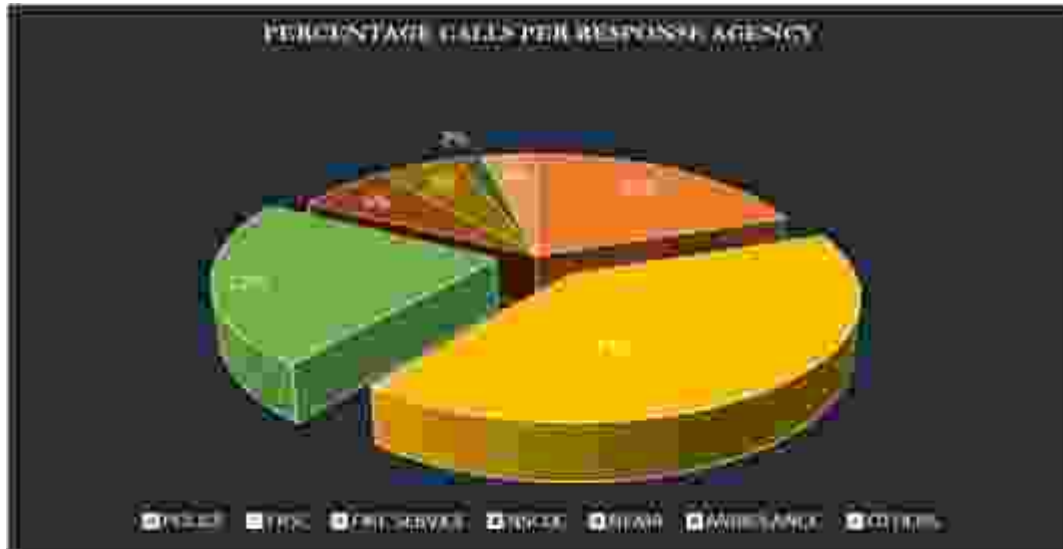


Fig. 16.2: Percentage Calls Dispatched by Response Agencies

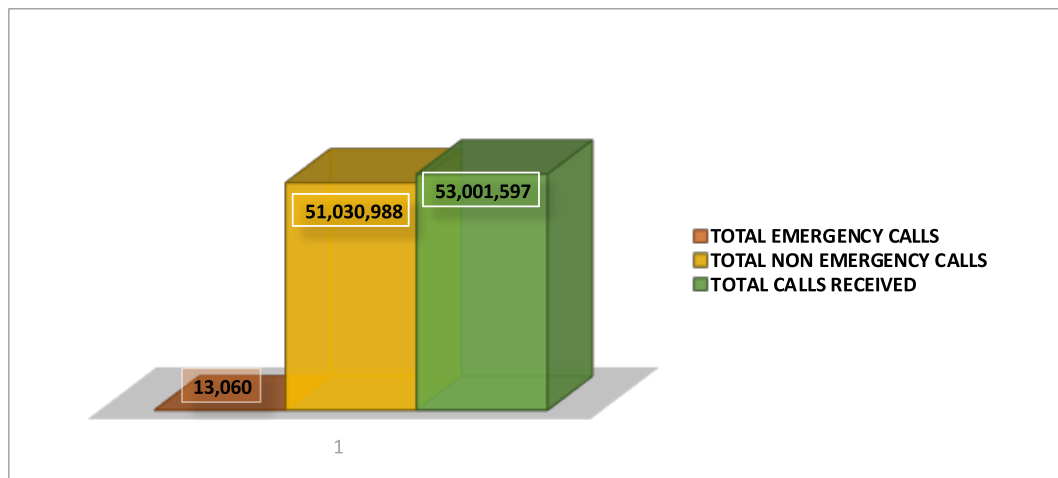


Fig. 16.3: Total 112 Calls Received In 2021



INTERNATIONAL AFFAIRS

17



INTERNATIONAL AFFAIRS

The Commission participated in the following international meetings and conferences in 2021:

- a. **18th Annual General Meeting (AGM) of the West Africa Telecommunications Regulators Assembly (WATRA) Held in Transcorp Hilton, Abuja, Nigeria March 10th – 11th, 2021**

The Commission hosted the 18th Annual General Meeting (AGM) of the West Africa Telecommunications Regulators Assembly (WATRA), from March 10 – 11, 2021 at the Transcorp Hilton in Abuja. Thirteen (13) countries were present at the AGM. Nigeria's Candidate, Engr. Aliyu Yusuf Aboki was elected as the new Executive Secretary of WATRA at the meeting for a term of 3 years. Nigeria was also elected Chair of the WATRA Executive Council, with Guinea as 1st Vice-Chair and Mali as 2nd Vice-Chair.

- b. **Visit the AST & Science Space (AST) Manufacturing Facility in Texas, United States of America 22nd – 26th November 2021**

The Commission visited the AST facility in Texas, USA from 22 – 26 November, 2021. AST & Science is the first and only Space-Based Cell Tower Provider to Mobile Network Operators. The company applied for Landing Permit for their Blue Walker 3 Satellite Constellation Space Segment transmitting with frequencies in the 700 – 960 MHz, 37.5 – 42.5 GHz, 45.5 – 47 GHz, 47.2 – 50.2 GHz and 50.4 – 51.4 GHz to beam its coverage signals over Nigerian territory.

Other activities include:

- i) 2nd National Preparatory Meeting (NPM) towards the ITU 2021 World Telecommunications Development Conference (WTDC-21), virtually held on Tuesday, March 2nd, 2021.
- ii) Commonwealth Telecommunications Organization (CTO) Virtual Meeting of the Program for Development Training Management Committee (PDTMC), 6th May, 2021
- iii) Virtual 28th Meeting of the Telecommunication Development Advisory Group (TDAG), 24th - 28th May, 2021
- iv) Virtual 22nd Ordinary Session of the African Telecommunications Union (ATU) Administrative Council From 2nd – 4th June, 2021
- v) Virtual Consultation of the International Telecommunications Union (ITU) Councillors (C21/VCC-1) from June 8th - 18th, 2021.
- vi) GSMA Mobile World Congress 2021 from 28th June – 1st July, 2021 in Barcelona, Spain.

- vii) The 1st African Preparatory Meeting Towards the 2022 Plenipotentiary Conference Which Held Virtually From 5th - 6th August 2021.
- viii) 5G World Forum in London, United Kingdom from 21st – 23rd September, 2021.
- ix) 12th Meeting of the Expert Group on Telecommunication/ICT Indicators (EGTI) and 9th Meeting of the Expert Group on ICT Household Indicators (EGH) and 9th meeting of the Expert Group on ICT Household Indicators (EGH) from 13 – 16 September, 2021.
- x) Nigeria-Niger Joint Commission for Cooperation Meeting in Niamey, Niger Republic from 4th – 8th October, 2021
- xi) Virtual ITU Digital Financial Services Workshop at Transcorp Hilton from 17th – 18th November, 2021

c. Virtual Benchmarking

Interactions were held with telecom regulators from the following countries and organizations between February and August 2021:

- i) United Kingdom
- ii) United Arab Emirates
- iii) Telecommunications Regulatory Authority of India
- iv) The World Bank, on behalf of the Ethiopian Communications Authority
- v) Australia
- vi) United States of America.

d. Physical Benchmarking

The Commission organized and facilitated physical benchmarking visits to the Commission by teams from the following regulatory authorities:

- i. National Regulatory Authority for Information and Communication Technologies (ARN-TIC) of Guinea-Bissau which took place from 24th – 28th May, 2021.
- ii. The Regulatory Authority of Electronic Communications and Post (ARCEP) of Burkina Faso which took place from 16th – 18th August, 2021. The team comprised 2 Board members and 2 senior Management staff.
- iii. The Zambia Information & Communications Technology Authority (ZICTA) which took place from 11th – 14th October, 2021.
- iv. Agence de Regulation des Potes es des Communications Electroniques, (ARPCE) of Congo Brazzaville which took place from 29th November – 1st December, 2021.

Feedback from the delegates indicated that the engagements provided a lot of insight into regulatory, policy and technical initiatives which has broadened their regulatory perspective.



RESEARCH AND DEVELOPMENT

18



RESEARCH AND DEVELOPMENT

18.1 Introduction

The Commission in its Strategic Management Plan (2020- 2024) has amongst its (5) strategic pillars; strategic partnering which encapsulates the engagement of the academia in various programs to enhance learning and boost the Nigerian academic community contributions to the sustainable growth and development of the telecom industry and the country's GDP.

The Commission also encourages proposals from interested and capable members of the Academia that may require Grants from the Commission to carry out telecoms-based research up to prototype as this can contribute to the development of the telecommunications industry in Nigeria.

18.2 Professorial Chairs

As part of the Commission's collaborations with the Academia, Professorial Chairs are endowed in some Nigerian Universities to enhance focused research activities and improve the quality of "industry-ready" graduates produced by the Institutions. In 2021, the following universities were endowed with Professorial Chairs by the Commission:

- a) The University of Port Harcourt
- b) Federal University of Technology, Minna
- c) Usman Danfodiyo University, Sokoto

18.3 Virtual NCC IoT Code Camp and Hackathon 2021

Following the successful conclusion and evaluation of the Virtual NCC IoT Code Camp and Hackathon 2021 and in accordance with the advertised selection criteria for the award of Grant for the best four (4) submissions, the sum of N5,000,000.00 (five million naira) was awarded to the four (4) winning Startups indicated below to enable them develop prototypes:

- A. Messrs. Clearflow Solutions (kidnaping and banditry category)
- B. Messrs. Aeleus Engineering Teams (kidnaping and banditry category)
- C. Messrs. Kalibotics (E-waste management category)
- D. Messrs. Cybernorth Tech (E-waste management category)

The table below shows a brief description of the solutions:

Winning Startup	Solution	Description/Features
Clearflow Solutions	Integrated Early Warning and Real Time Tracking Solution	A system designed to provide early warning messages to security agencies on the advancement of vandals and bandits in schools and communities.
Aeleus Engineering Teams	Smartracker (IoT System)	<ul style="list-style-type: none"> ● A security device used for tracking and monitoring. ● The device is wearable, easy to conceal and user friendly. ● It also has features to call up drones, send email on emergency.
Kalibotics	Artificial Intelligence Powered E-waste sorting system	Artificial Intelligence-powered, Computer Vision-enabled pick and place robot manipulators for the sorting of e-waste materials.
Cybernorth Tech	EWDISM	An electronic waste dismantling and sorting machine

The Commission facilitated the deployment and installation of the winning solutions of the Covid-19 Virtual Hackathon in schools and hospitals in the six geopolitical zones namely:

- Temperature Scanner by Elizade University
- Smartclinic Telemedicine Suite by Primed E-Health
- Klassconnect by Cyberfleet Integrated Limited

18.4 ICT Innovation Competition/Exhibition

The ICT Innovation Competition provides a platform for Tech Enthusiasts and other Stakeholders with novel ideas and Tech Solutions to Industry and societal challenges, to showcase their creative innovations and forge collaborative partnership among key players in the tech ecosystem.

The second edition of the competition held from 6th – 8th December 2021 at the Digital Bridge Institute, Oshodi Lagos State. Forty-four (44) entries were received and at the end of the three-day event, three (3) Tech Hubs emerged as winners of the event namely; Capsule Business Technologies, Brainiacs Stems and Robotics and Innovia Digital Manufacturing Technologies as first, second and third positions with rewards of ₦2,500,000, ₦1,500,000 and ₦1,000,000 respectively. Consolation cash prizes were also given to the remaining 17 participants.

The Commission is also committed to the provision of regulatory support to technology hubs within the country. Hence, a framework was developed for the implementation of possible interventions in the Tech Hubs with the aim of promoting indigenous content innovations, with emphasis on the tech ecosystem.

18.5 Incentivizing the Development of Local Devices with OEMs, Smartphones and Tablets

The National Digital Economy Policy and Strategy (NDEPS) 2020-2030 was developed by the Federal Government and includes eight development pillars on which the National Digital Economy will be built. Pillar No.8 of the NDEPS 2020-2030 (Indigenous Content Production & Adoption) recommends the development and support for indigenous content, among other efforts, for a Digital Nigeria and proposes the development of Original Equipment Manufacturers (OEMs).

The Commission's aim is to provide support and an accelerated platform for indigenous Original Equipment Manufacturers (OEMs) to meet local and global ICT market demand, as well as a support structure for digitally skilled Nigerians and Micro, Small, and Medium OEMs in the ICT sector. A database of indigenous Original Equipment Manufacturers (OEMs) in the Nigerian Telecom Sector was created in this regard.

18.6 Virtual Hackathon and Competition/Exhibition Winners

Following the successful conclusion of the Virtual Hackathon and Competition/ exhibition, the groundbreaking innovations of the winners have been adopted by the Commission. The winners were listed, and the description of their innovations were uploaded on the NCC website to assist the winners gain public awareness and exposure and attract investors whilst demonstrating their originality and genuineness. Below are the winners, their innovation, and the description of the innovations:

S/N	Name And Contact Address	Innovation	Description
1.	Cyber Fleet Integrated Limited Hub One, 10 Hughes Avenue Alagomeji-Yaba, Lagos	Klassconnect Software	Klassconnect is a modern learning aggregate software that facilitates learning between lecturer and student via a seamless interface. It provides a facility where lectures/teaching would be given through an administration portal for managing announcements and assessing students. Other features of the app include a centralised e-library system.
2.	Primed E-Health Aminu Kano Crescent Wuse 2 Abuja	Smartclinic App	The restrictions of movement during the COVID-19 pandemic and the need for access to healthcare necessitated the development of SMARTCLINIC, a mobile and web solution app which links a Patient-based mobile health App (Smartclinic Mobile) with a healthcare-based Hospital information management system (Smartclinic Hospital). The app essentially enables patients to view available Hospitals, schedule appointments, receive notifications when lab/X-ray results are ready and get remote consultations (when applicable) with doctors or hospitals right from their homes. The Smartclinic App includes important features such as a COVID-19 self-assessment feature, hospital registration, instant consultation etc.

S/N	Name And Contact Address	Innovation	Description
3.	Elizade University Team Elizade Universityllara- Mokin, Ondo State	Automated Temperature Scanner with Contact Tracing Capability	The device would help in automatic temperature screening and contact tracing of persons with body temperature above normal level for humans. It is also able to send a user's temperature, name, sex, staff number to a remote database/web interface accessible to health officials.
4.	Qataloog 1 Akin Osiyemi street, Allen Avenue, Ikeja, Lagos State	Learning Content Distribution Solution	It is a cost-effective app that directly purchases learning materials from the author or vendor and automates its distribution across 54 Universities and Colleges in Africa.
5.	Wicrypt 5C Bethel Plaza, Garden Avenue, Enugu State	Wi-Fi Hotspot Sharing Solution	The Wi-Fi hotspot sharing solution allows subscribers to make money sharing their mobile data. The service is powered by block chain.
6.	Phaheem Pharmaceuticals Limited Kawon Kudu, Layin Kofi beside Glorious Future College, Nasarawa Local Government, Kano State.	Footfall plate	The footfall plate is a device that converts footsteps into energy.



STAKEHOLDER'S ENGAGEMENT

19



STAKEHOLDER'S ENGAGEMENTS

The Commission is very keen on engaging with its stakeholders on its activities, hence its many attendances and contributions at meetings, conferences and events organized by local and international bodies' stakeholders. A summary of these engagements is highlighted below:

19.1 Meetings

- a. The Commission attended the ITU Virtual Meeting on **Digital Financial Services, Consumer Protection and Security**. The meeting was at the instance of ITU's Financial Inclusion Global Initiative (FIGI). The purpose of the meeting was to provide a forum for dialogue by regulators from telecom and financial services, to share lessons learned about the different digital financial models and services, the regulatory sandbox approach. The outcome of the meeting was among other things, to become proficient in ways of mitigating risks in the fast-changing ICT and digital payment environments, and understanding the impact of emerging technologies on the ecosystem, amongst others.
- b. The Commission participated at a 3-day conference and retreat for the **Review of Nigeria's Foreign Policy** from the 19th to 21st of April 2021 at the National Intelligence Agency. The retreat aimed at charting a new course for the Nigeria's Foreign Policy in the context of the 21st Century Global realities. After a three day deliberations, observations were made, and resolutions reached including a proposed all Nigeria Policy Conference at least once every five years.
- c. The Commission was represented at the **National Stakeholder Consultative Meeting on Phase II Negotiations of the African Continental Free Trade Area (AfCFTA)**. The meeting on negotiations of the African Continental Free Trade Area (AfCFTA) took place on June 9th, 2021, at the Reiz Continental Hotel, Abuja. The meeting was part of the domestic consultation process to harness inputs from relevant MDAs and Stakeholders to develop the Nigerian position that would guide the country's participation for the negotiations at the continental level. The Phase II Agreement consists of consideration of the Draft Guiding Principles and Terms of Reference (ToR) for the AfCFTA protocol on the following thematic areas: Intellectual Property Right; Investment; Competition Policy and the Women and Youth in Trade.
- d. **1st Inter-Regional Meeting (IRM)** held virtually on Thursday, March 11, 2021. The purpose of the meeting was to prepare for the World Telecommunications

Development Conference (WTDC-21). The event was attended by delegates from different countries. The preparatory efforts towards the PP-22 have commenced both at the Africa Regional level and by other Regional Telecommunications Authorities.

e. **The 2nd National Preparatory Meeting (NPM) Towards the ITU 2021 World Telecommunications Development Conference (WTDC-21):**

The virtual meeting was convened on Tuesday, March 2nd, 2021 and had in attendance Operators, the Ministry of Communications and its parastatals with the aim of reviewing the activities of the working groups and harmonizing the NCC's position on the PP-22 agenda items. The activities of the working groups were harmonized and presented at the Africa Preparatory meeting.

f. The Commission was also represented at **the 3rd African Preparatory Meeting (APM)** for the World Telecommunications Development Conference (WTDC – 21), virtually from the 2nd - 4th August 2021 as well as the first Plenipotential Conference meeting (PP-22) from 5th - 6th August 2021. The Nigerian Position was harmonized on the WRDC-21 agenda ahead of the conference scheduled for June, 2022.

g. The Commission attended the virtual meeting with the Commonwealth Telecommunications Organisation (CTO) on Thursday, 19th August, 2021. The purpose of the meeting was to discuss its Digital Transformation Action Plans (DTAP) that could have positive impact on the Member States' socio - economic growth and development.

h. **23rd National Financial Inclusion Governing Committee Meetings:** The Commission attended the virtual meetings with the Central Bank of Nigeria (CBN) on the 17th and 18th of March, 2021, which was chaired by the Deputy Governor, Financial System Stability (DG, FSS) Mrs. Aisha Ahmad. The purpose of the meeting was to review the activities of the Financial Inclusion Working Groups. A major achievement for the Commission during the period was the election of Aderonke Sola-Ogunsola as the Chairperson of the Financial Inclusion Channel Working Group for a two-year tenure.

Also, in a joint statement released by the Commission and the Central Bank of Nigeria (CBN) on the USSD pricing on 16th March, 2021, on how to address the pricing and indebtedness to the telcos, the Commission made the following requests at the meeting:

- i. The CBN should consider the need to issue Payment Service Banks (PSB) licenses to the outstanding subsidiaries of the MNOs.
- ii. An appeal was made again to the Deputy Governor, to intervene on inclusion of the telecoms sector into the Official Forex Window.

i. **Request for Phone Number Verification Application Programmable Interface (API) by CBN:**

The CBN requested for the Commission's assistance in implementing an API with the Mobile Network Operators (MNOs), which allows the real-time verification of applicant's information and given phone number to correspond with the applicant's information in the SIM registration database. The Commission subsequently engaged the MNOs and Interconnect Clearing House (ICN) and based on the data supplied to

the Regulatory, Commercial and Consumer (RCC) Working Group, came up with the pricing as ₦20 for MNOs and 25% of MNOs transaction fee, that is, ₦5/ transaction.

j. **NCC's Input into the 2020 National Financial Inclusion Strategy Implementation Annual Report and 2021 Financial Inclusion Work Plan:**

The Commission furnished the CBN with the Commission's 2020 Financial Inclusion Activity Report as well as the 2021 proposed Work Plan.

k. **The Community of Practice (COP) to implement the Framework for Advancing Women's Financial Inclusion in Nigeria by CBN:**

As an enabler in the implementation of the framework, the CBN requested two (2) high-level members of staff (primary and alternate members) to participate in the Community of Practice for strategic imperatives expanding financial inclusion and digital literacy programmes for low-income women. Management approved the nomination of Head Policy Management to represent the Commission. The CBN was notified of this, and a meeting is yet to be scheduled.

l. **Meeting with Japan International Corporation Agency (JICA)**

The meeting with Japan International Corporation Agency (JICA) Nigeria Office was part of a "Data Collection Survey on Digitization of Public Services" in Nigeria which aims to assess on-going initiatives for digital transformation and to consider possible interventions that can facilitate the digitization of public services in Nigeria. The virtual meeting was held on the 4th of August 2021.

m. **Training with Rockefeller Philanthropy Advisor (RPA) on Financial Inclusion**

Rockefeller Philanthropic Advisors (RPA), an arm of the Rockefeller Foundation is focused on enabling the provision of Financial Inclusion in Nigeria. As the NCC is a Regulatory infrastructure Stakeholder in the Financial Inclusion ecosystem, RPA sought to collaborate with the Commission by carrying out Financial Inclusion training for Staff of the Commission. This training was sponsored by the Bill and Melinda Gates Foundation through the Rockefeller Philanthropic Advisors. The first training, which was coordinated by the Human Capital Department, was a six-week virtual training on "Sustainable Business Models for Financial Inclusion: Regulatory Roles. This training, which held from 25th September to 2nd November 2021 and was facilitated by the Lagos Business School on behalf of RPA, was recently concluded.

In addition to the aforesaid course, Digital Frontiers Institute (DFI) United States facilitated the second part of the virtual training "Financial Inclusion and the Telecommunications Regulator," which ran from Monday, 29th November, to Friday, 3rd December, 2021.

The trainings provided the Telecoms Regulator deep insight on the telecoms regulatory perspective in the achievement of financial inclusion in Nigeria. It was to serve as the foundation for the Commission's efforts at the development of a Financial Inclusion Framework document for the telecommunications Industry, which is to be part funded by the RPA also.

n. **2021 World Consumer Rights Day**

To commemorate the year 2021 World Consumer Rights Day, the Commission

successfully organized the 1st Virtual World Consumer Rights Day on March 15th, 2021, with the theme **“Tackling Plastic Pollution”** where the EVC made a world press conference as well as unveiled the Telecom Consumer Handbook.

19.2 Collaboration with Ministries Departments and Agencies

a. e-Naira Collaboration with the Central Bank of Nigeria (CBN)

The Central Bank of Nigeria (CBN) launched the Central Bank Digital Currency (CBDC) Wallets (eNaira), before year end, 2021. However, as Infrastructure Stakeholders, the Commission is collaborating with the CBN in the implementation of USSD channels and with the Mobile Network Operators on SIM-NIN linkage. These collaborations will further enshrine financial inclusion using telecommunications infrastructure.

19.3 Digital Skills and Services Activities

The Commission strategically partnered with the following organizations on the acquisition of digital skills as part of its digital innovation and entrepreneurship activities:

- ◆ Small and Medium Enterprises Development Agency (SMEDAN)
- ◆ Association of Skilled and Vocational Artisans of Nigeria (ASVAN)

19.4 Digital Innovation and Entrepreneurship Activities

Request from Nigerian Film Corporation (NFC)

The Nigerian Film Corporation (NFC) wrote to the Commission, requesting funding for its proposal to build four (4) zonal film Entrepreneurial Hubs around the country. The proposal was accepted and will be included in the Commission's 2023 budgetary circle.

In-House Committee on Digital Currency

The recommendations contained in the Inter-Agency Committee on Digital Currency's review report was approved and an In-House Committee on Digital Currency formed. The Committee's objective is to harmonize all viewpoints and concerns that address industry requirements to effectively deploy the Central Bank of Nigeria (CBN) Digital Currency.

19.5 Conferences Attended

During the period under review the following meetings/conferences were attended:

- a. The 10th Edition of the Virtual Nigeria Internet Governance Forum – vNIGF2021 which took place from 29th to 30th September, 2021. The two-day event had the Theme: **“Internet That Works for All”** with focus areas on accessibility, infrastructure, policy & regulation and Capacity building and development.
- b. The 13th Edition (virtual version) of the NigeriaCom and West AfricaCom Series held simultaneously during the period 14th to 15th September, 2021. The event was aimed at uniting leaders of the industry, policy makers and regulators, large enterprises, start-ups and investors the West African market amongst others with the theme **“Building Digital Economies to Position West Africa as a Global Tech Powerhouse”**.
- c. The 10th Annual Practical Nigerian Content Forum which held from: 29th November to 1st December, 2021 in Yenegoa – Bayelsa State with the theme: **“Driving Nigeria Content in the New Dawn of the Petroleum Industry Act:”** based on invitation from

the Nigerian Content Developing and Monitoring Board (NCDMB). The event showcased experts and professionals in the oil & gas industry and other indigenous content champions, brainstormed on issues and proffered solutions to achieve common goals.

d. **18th Annual General Meeting (AGM) of the West Africa Telecommunications Regulators Assembly (WATRA) Held in Transcorp Hilton, Abuja, Nigeria March 10th – 11th, 2021**

The Commission hosted the 18th Annual General Meeting (AGM) of the West Africa Telecommunications Regulators Assembly (WATRA), from March 10th – 11th, 2021 at the Transcorp Hilton in Abuja. Thirteen (13) countries were present at the AGM. Nigeria's Candidate, Engr. Aliyu Yusuf Aboki was elected as the new Executive Secretary of WATRA at the meeting for a term of 3 years. Nigeria was also elected Chair of the WATRA Executive Council, with Guinea as 1st Vice-Chair and Mali as 2nd Vice-Chair.

e. **Visit to the AST & Science Space (AST) Manufacturing Facility in Texas, United States of America 22nd – 26th November 2021**

The Commission visited the AST facility in Texas, USA from 22nd – 26th November, 2021. AST & Science is the First and only Space-Based Cell Tower Provider to Mobile Network Operators. The company applied for Landing Permit for their Blue Walker 3 Satellite Constellation Space Segment transmitting with frequencies in the 700 – 960 MHz, 37.5 – 42.5 GHz, 45.5 – 47 GHz, 47.2 – 50.2 GHz and 50.4 – 51.4 GHz to beam its coverage signals over Nigerian territory.

19.6 Awards

The Commission and its Management received the following awards and recognitions during the period under review:

- a. **Outstanding Telecom Regulator of the Year'** award in an event organized by the Nigeria Tech Innovations & Telecoms Awards (NTITA). The Executive Vice Chairman, Prof. Umar Danbatta, was also honoured with the '**Telecoms Industry Leader'** award. The event took place in Lagos, on 19th November, 2021.
- b. **The Premier African Regulator'** award while the EVC received the '**Regulatory Excellence Award'** from the Association of Licensed Telecoms Operators of Nigeria (ALTON) and the Association of Telecommunications Companies of Nigeria (ATCON), in collaboration with Digivation Network on 11th November, 2021. The Executive Commissioner Stakeholder Management, Barrister Adeleke Adewolu also received '**The Outstanding Digital Impact Personality'** award at the event.
- c. **The Technology Transformer Award'** from the E-Business Life Magazine in an event organised to mark the 20 years of the birth of GSM at the Oriental Hotel, Lagos State on Friday, November 19, 2021.
- d. **Regulator of the Year'** award at the New Telegraph Awards 2021, organised at the Federal Palace Hotel, Lagos State, on Friday, November 19, 2021
- e. The Executive Vice Chairman of the Commission, Prof. U.G Danbatta was recognized as **Laurate of Labour** for the ICT industry on 10th December, 2021. He also received the following awards at the annual event of Persons with Disability Initiative Nigeria

which held on 3rd December, 2021:

- ◆ Disability man of the year 2021 award
- ◆ A certificate of "appreciation" for support and show of concern to people living with disabilities.

19.7 NCC Global Connect Podcast Channel

The Commission expanded its level of social media engagement by providing a new avenue for keeping the public informed of its regulatory initiatives through the NCC Global Connect Podcast Channel as a means of promoting the image and visibility of the Commission.

The podcast channel launched on September 7, 2021 and the following programmes premiered upon its launch.

- i. The Evolution of telecoms in Nigeria
- ii. Professor Isa Ali Ibrahim (Pantami) and the Nigerian Digital Economy Agenda.
- iii. Nigerian Senate reinforces the legal status of the National Emergency Number, 112.
- iv. NCC publishes guidelines on colocation and infrastructure sharing
- v. NCC's position on the unauthorized use of GSM Boosters in Nigeria

The NCC Global Connect is available on the following podcast directories:

- a. Podcast Addict
- b. Amazon
- c. Apple
- d. Deezer
- e. Google
- f. iHeartRadio
- g. Listen Notes
- h. PlayerFM
- i. Podchaser
- j. Spotify
- k. Stitcher
- l. TuneIn + Alexa



2021 AUDITED FINANCIAL STATEMENT



19



**NIGERIAN
COMMUNICATIONS
COMMISSION (NCC)**

**AUDITED FINANCIAL STATEMENT FOR
THE YEAR ENDED DECEMBER 31, 2021**

**Abdulkadeer & Co
(Chartered Accountants)**

NIGERIAN COMMUNICATIONS COMMISSION (NCC)
(Nigerian Communications Act No. 19 of 8th July 2003)

FINANCIAL STATEMENTS FOR THE PERIOD ENDED DECEMBER 31, 2021

Index

The reports and statements set out below comprise the financial statements presented to the Board:

	Page
Corporate Information	2
Commissioners' Responsibilities and Approval	3 - 4
Independent Auditors' Report	5 - 6
Commissioners' Report	7 - 9
Statements of Financial Performance	10 - 11
Statements of Financial Position	12
Statement of Changes in Net Assets/ Equity	13
Statement of Cash Flows	14
Statement of Comparison of Budget and Actual Amount	15
Notes to the Financial Statements and Accounting Policies	16 - 39

Level of Assurance

These financial statements have been audited in compliance with the applicable requirements of the Nigerian Communications Act No 19 of 2003, International Public-Sector Accounting Standards (IPSAS), Financial Regulation Act, Treasury Circulars and Financial Reporting Council of Nigeria Act of (section 77 on Public Interest Entity (PIE)).

NIGERIAN COMMUNICATIONS COMMISSION (NCC)
(Nigerian Communications Act No. 19 of 8th July 2003)

FINANCIAL STATEMENTS FOR THE PERIOD ENDED DECEMBER 31, 2021

CORPORATE INFORMATION

Country of Incorporation and Domicile:

Nigeria

Nature of Business and Principal Activities:

The activities of the Commission continue to be the regulator of the Nigeria Telecommunication industry to make rules / policies governing the supply of telecommunication services and facilities, set standards for all the players in the industry and to promote fair competition and market efficiency.

Commissioners

The under listed Commissioners held office during the year 2021:

Name	Position
Prof. Adeolu Akande	Chairman
Prof. Umar Garba Danbatta (FNSE):	Executive Vice Chairman/CEO
Engr Ubale Ahmed S. Maska (FNSE):	Executive Commissioner- Technical Services
Mr. Adeleke Adewolu	Executive Commissioner- Stakeholders Management
Mr. Clement Omeiza Baiye:	Member
Mr. Abdulazeez Salman	Member
Mr. Abubakar Aliyu	Member
Prof. Millionaire F.N. Abowei	Member
Mr. Uche Onwude	Member

Registered / Business Office

Plot 423 Aguiyi Ironsi Street, Maitama, Abuja.

Auditors

Abdulkadeer & Co. (Chartered Accountants)
Suite 500/501, Bank of Industry Building,
18/19 Muhammadu Buhari Way, Kaduna.

Commission's Secretary

Gwa Tobbie Mohammed

Supervising Ministry

Federal Ministry of Communications and Digital Economy

NIGERIAN COMMUNICATIONS COMMISSION (NCC)
(Nigerian Communications Act No. 19 of 8th July 2003)

FINANCIAL STATEMENTS FOR THE PERIOD ENDED DECEMBER 31, 2021

COMMISSIONERS' RESPONSIBILITIES AND APPROVAL

The Commissioners are required by the Nigerian Communication Act No 19. of 8th July 2003 to maintain adequate accounting records and are responsible for the content and integrity of the financial statements and related financial information included in this report. It is the Commissioners' responsibility to ensure that the financial statements fairly present the state of affairs of the Commission as at the end of the financial year and the results of its operations and cash flow for the period ended December 31, 2021 in conformity with the International Public Sector Accounting Standard, the Nigerian Communications Acts No 19 of 2003, and in line with "Public Interest Entity" reporting as prescribed by the Financial Reporting Council of Nigeria (FRC). The External Auditor is engaged to express an independent opinion on the financial statements.

The financial statements are prepared in accordance with the International Public-Sector Accounting Standard (IPSAS) and are based upon appropriate accounting policies consistently applied and supported by Federal Government Policies in the Financial Regulations.

The Commissioners acknowledge that they are ultimately responsible for the system of internal control established by the Commission and place considerable importance on maintaining a strong control environment. Enable the Commissioners to meet these responsibilities, the board sets standards for internal control aimed at reducing the risk of error or loss in a cost-effective manner. The standards include the proper delegation of responsibilities within a clearly defined framework, effective accounting procedures and adequate segregation of duties to ensure a risk level reduction. These controls are monitored throughout the Commission and all employees are required to maintain the highest ethical standards in ensuring the Commission's business is conducted in a manner that in all reasonable circumstances is above reproach. The focus of risk management in the Commission is on identifying, assessing, managing and monitoring all known forms of risk across the Commission. While operating risk cannot be fully eliminated, the Commission endeavours to minimise it by ensuring that appropriate infrastructure, controls, systems and ethical behaviour are applied and managed within predetermined procedures and constraints.

NIGERIAN COMMUNICATIONS COMMISSION (NCC)
(Nigerian Communications Act No. 19 of 8th July 2003)

FINANCIAL STATEMENTS FOR THE PERIOD ENDED DECEMBER 31, 2021

COMMISSIONERS' RESPONSIBILITIES AND APPROVAL

The Commissioners are of the opinion, based on the information and explanations given by management that the system of internal control provides reasonable assurance that the financial records may be relied upon for the preparation of the financial statements. However, any system of internal financial control can provide only reasonable, and not absolute, assurance against material misstatement or loss.

The Commissioners have reviewed the Commission's cash flow statement for the period to December 31, 2021 and, in the light of review, the current financial position, they are satisfied that the Commission has access to adequate resources to continue in operational existence for the foreseeable future.

The external auditors are responsible for independently auditing and reporting on the Commission's financial statements. The financial statements have been examined by the Commission's external auditors and their report is presented on page 5 to 6 of the financial statement.

The financial statements set out on pages 10 to 14, which have been prepared on the going concern basis, were approved by the Board on 24th August 2022 and were signed on its behalf by:



Prof. Adeolu Akande
Chairman



Prof. Umar Garba Danbatta (FRSE, FRAES, FAEng, FNIEEE)
Executive Vice Chairman /CEO



Chartered
accountants

INDEPENDENT AUDITORS' REPORT TO THE COMMISSIONERS OF

NIGERIAN COMMUNICATIONS COMMISSION (NCC)

We have audited the financial statements of Nigerian Communications Commission (NCC), as set out on pages 10 to 14, which comprise the Statement of Financial Position as of December 31, 2021, the Statement of Financial Performance, Changes in Net Assets / Equity, Statement of Cash Flow and Statement of Comparison of Budget and Actual for the year then ended and the notes to the accounts, comprising a summary of significant accounting policies and other explanatory information.

Commissioners' Responsibility for the Financial Statements

The Commissioners are responsible for the preparation and fair presentation of these financial statements in accordance with the International Public-Sector Accounting Standards (IPSAS), and the requirements of the Nigerian Communications Acts No 19 of 2003, other Government Financial Regulations and Financial Reporting Council and for such internal control as the Commissioners deem necessary to enable the preparation of financial statements that are free from material misstatements, whether due to errors or intentional mistakes.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with International Standards on Auditing. These require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements to design audit procedures that are appropriate in the circumstances, but not for expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is enough and appropriate to provide a basis for our audit opinion.

AGBIDU: Suite 101/118 Ademowo Plaza, First Avenue, Off Abiodun Falayo Way, Abuja.
KAFKARA: Suite 500/501, Bank of Industry Building, 19-19 Muhammadu Buhari Way, Kaduna.
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041 897901

PARTNERS: Mudasir Abdulkadeer (FCA, PhD) YAKUBU ROISAMU (FCA, ACIT) Mr. Elna' Muhammed Taiyari (B.Sc, FACA, ACIT), Susan Ibiyeye (FCA, ACIT)

**INDEPENDENT AUDITORS' REPORT TO THE COMMISSIONERS OF
NIGERIAN COMMUNICATIONS COMMISSION (NCC)**

Opinion

In our opinion, the financial statements present fairly, in all material respects, the financial position of Nigerian Communications Commission (NCC) as at December 31, 2021, and its financial performance and its cash flows for the year then ended in accordance with the International Public Sector Accounting Standards (IPSAS), and the requirements of the Nigerian Communications Act No 19 of 2003 and the reporting requirement for "Public Interest Entity" (as prescribed on section 77) by Financial Reporting Council of Nigeria (FRC).

We have read the Commissioners' Report for identifying whether there are material inconsistencies between these reports and the audited financial statements. This report is the responsibility of the respective preparer.

Based on reading this report, we have not identified material inconsistencies between this report and the financial statements.



Kaduna, Nigeria
August 26, 2022,

Dr. Abdulkadeer Njiddah PhD, FCA
FRC/2013/ICAN/000000034128
For: Abdulkadeer & Co.
[Chartered Accountants]

NIGERIAN COMMUNICATIONS COMMISSION (NCC)
(Nigerian Communications Act No. 19 of 8th July 2003)

FINANCIAL STATEMENTS FOR THE PERIOD ENDED DECEMBER 31, 2021

COMMISSIONERS' REPORT

The Commissioners have pleasure in submitting their report on the financial statements of Nigerian Communications Commission (NCC) for the period ended December 31, 2021.

1. The Commission

Nigerian Communications Commission (NCC) was established by Decree number 75 of November 24, 1992, as repealed and replaced by Nigerian Communications Act No. 19 of July 8, 2003.

2. Nature of Business

The activities of the Commission continue to be the regulation of the Nigeria Telecommunication industry to make rules/policies governing the supply of telecommunication services and facilities, set standards for all the players in the industry, to promote fair competition and market efficiency.

3. Review of Financial Results and Activities

The financial statements have been prepared to comply with the provisions of the Nigerian Communication Act 19. of 2003, International Public-Sector Accounting Standard (IPSAS), and in line with "Public Interest Entity" reporting as prescribed by The Financial Reporting Council of Nigeria (FRC). Full details of the financial position, results of operations and cash flows of the Commission are set out in these financial statements.

4. Commissioners

The Commissioners in office at the date of this report are as follows:

Name	Position	Effective Date
Prof. Adeolu Akande	Chairman	February 5, 2020
Prof. Umar Garba Danbatta (FNSE)	Executive Vice Chairman/CEO	August 4, 2015
Engr Ubaie Ahmed S. Maska (FNSE)	Executive Commissioner	July 31, 2019
Mr. Adoleke Adewolu	Executive Commissioner	October 15, 2019
Mr. Clement Omeiza Baiye	Member	January 1, 2017
Mr. Abdulfazez M. Saiman	Member	July 31, 2019
Mr. Aliyu S. Abubakar	Member	July 31, 2019

Prof. Millionaire F.N. Abowei
Mr. Uche Onwude

Member
Member

July 31, 2019
February 5, 2020

NIGERIAN COMMUNICATIONS COMMISSION (NCC)

(Nigerian Communications Act No. 19 of 8th July 2003)

**FINANCIAL STATEMENTS FOR THE PERIOD ENDED DECEMBER 31, 2021
COMMISSIONERS' REPORT (CONTINUED)**

5. Management Team

The Management Team in office at the date of this report are as follows:

S/N	NAME	DESIGNATION	S/N	NAME	DESIGNATION
1	Prof. Umar G. Danbatta	Executive Vice Chairman/ CEO	14	Alh. Muh'ammadu Babajika	Director- Licens ng & Authorisation
2	Engr. Ubale Maska	Executive Commissioner (Technical Services)	15	Engr. Clawatoyin Asaju	Director-Special Duties
3	Barr. Adeleke Adewolu	Executive Commissioner (Stakeholder Management)	16	Mr. Ayuba Shuaibu	Ag Executive Secretary USP Secretariat
4	Mrs Abigail Sholanko	Director – Projects	17	Engr. Bako Wakil	Director- Technical Standard & Network Integrity
5	Ms. Josephina Amirwa	Director- Legal & Regulatory Services	18	Mr. Yakubu Gontor	Director- Financial Services
6	Mr. Felix Adeoye	Director-Corporate Planning & Strategy and Risk Management	19	Dr. Ike Adinde	Director- Public Affairs
7	Engr. (Dr) Augustine Nweuluro	Director- Digital Economy	20	Mr. Usman Malah	Director- Human Capital and Admin.
8	Engr. (Dr) Haru Ahassan	Director- New Media & Information Security	21	Mal. Ibrahim Aliyu	Head, Administration Department
9	Mr. Etosa Idehen	Director- Consumer Affairs	22	Mrs. Stella Erebor	Head, Internal Audit
10	Mrs. Yetunde Akinloye	Director- Policy Competition & Economic Analysis	23	Mr. Gwa Tobbie Mohammed	Commission Secretary
11	Mr. Ephraim Nwokenneya	Director- Compliance Monitoring & Enforcement	24	Mr. Yahya Abubakar	Head, Information Technology
12	Dr. Henry Nkemadu	Director- Research Development	25	Mrs. Safiya Jiji	Head, Human Capital
13	Mrs. Amina Shehu	Director- Zonal Operations	26	Mrs. Adejoko Atte	Head, Procurement Department
			27	Mr. Hafiz Shehu	Chief of Staff to EVC

NIGERIAN COMMUNICATIONS COMMISSION (NCC)

(Nigerian Communications Act No. 19 of 8th July 2003)

FINANCIAL STATEMENTS FOR THE PERIOD ENDED DECEMBER 31, 2021

COMMISSIONERS' REPORT (CONTINUED)

6. Property, Plant and Equipment

There were no changes in Property, Plant and Equipment of the Commission in policy regarding their use. As at December 31, 2021 the Commission's investment in Tangible assets (Property, Plant and Equipment) for the year under review is ₦120,531,476,251 with a Carrying Cost of ₦80,068,707,679 and Intangible Assets is ₦2,013,513,553 with a Carrying Cost of ₦765,915,664. This includes the Special Intervention Programme which was capitalized during the year.

7. Events after the Reporting Period

The Commissioners are not aware of any material event which occurred after the reporting date and up to the date of this report.

8. Auditors

Abdulkadeer and Co (Chartered Accountants) continued in office as auditors for the Commission for 2021 financial year. At the Board meeting on 25th August 2022 a request for the new auditor will be made for the appointment.

9. Date of Authorisation for Issue of Financial Statements

The financial statements have been authorised for Issue by the Commissioners on 25th August 2022. No authority was given to anyone to amend the financial statements after the date of issue.

NIGERIA COMMUNICATIONS COMMISSION
STATEMENT OF FINANCIAL PERFORMANCE
FOR THE PERIOD ENDED DECEMBER 31 2021

	Note	2021 ₦	2020 ₦
Revenue from Exchange Transactions			
Licenses and permits			
Administrative Fees	3.0	15,046,089,387	9,016,507,268
Annual Operating Levy	4.0	64,897,613,794	52,616,238,119
License Fee	5.0	289,448,524	187,582,241
New Numbering Plan	6.0	6,561,918,632	5,341,756,577
Sale of Form	7.0	7,129,422	2,250,743
Sanction Fees	8.0	2,015,438,000	89,000,000
Spectrum Fees	9.0	183,367,151,547	26,428,642,452
Type Approval Fees	10.0	561,356,102	235,090,305
Other Revenue	11.0	63,484,509	32,713,500
Total from Exchange Transactions		272,809,630,018	94,009,780,903
Revenue from Non-Exchange Transactions			
Gain on Disposal of Asset	12.0	72,493,723	-
Gain on Foreign Exchange Transaction	13.0	21,647,274	37,682,090
Total Revenue from Non-Exchange Transactions		94,140,997	37,682,090
Total Revenue for the period		272,903,771,015	94,047,462,994
Expenditure			
Personnel Cost	14.0	34,168,325,279	22,552,147,009
Administrative and General Expenses	15.0	12,362,048,750	6,414,337,321
Depreciation Expenses	21	2,534,744,402	2,399,285,913
Amortisation Expenses	22	-	-
Total Operating Expenses		49,065,118,430	31,365,770,143
Surplus from Operating Activities for the Period		223,838,652,585	62,681,692,851
Surplus from Operating Activities for the Period Carried Forward		223,838,652,585	62,681,692,851

NIGERIA COMMUNICATIONS COMMISSION
STATEMENT OF FINANCIAL PERFORMANCE (CONT.)
FOR THE PERIOD ENDED DECEMBER 31 2021

	Note	2021 ₦	2020 ₦
Surplus from Operating Activities for the Period Brought Forward		223,838,552,585	62,681,692,851
Special Intervention Expenditures	16.0		
School Support	16.1	6,649,265,146	1,249,593,630
Universal Service Provision Funds	16.2	7,000,000,000	7,500,000,000
Emergency Communication Centres- (ECC)	16.3	2,520,221,492	2,396,440,000
Digital Bridge Institute (DBI)	16.4	-	2,196,000,000
Subscribers Identity Management System	16.5	-	800,000,000
State Accelerated Broadband Initiative (SABI)	16.6	24,373,969,000	265,107,250
Project Consultancies	16.7	1,002,196,759	386,066,627
ICT Park	16.8	2,000,000,000	
Total Special Capital Expenditure		43,545,652,396	14,793,207,507
Transfer to Federal Government			
Remittance of Operating Surplus /Spectrum Fees	16.9	197,685,960,617	42,060,612,626
Surplus / (Deficit) retained for the Period		(17,392,960,428)	5,827,872,718

The notes set out on pages 16 to 39 form an integral part of the Financial Statements

NIGERIA COMMUNICATIONS COMMISSION
STATEMENT OF FINANCIAL POSITION
FOR THE PERIOD ENDED DECEMBER 31 2021

	Note	2021 ₦	2020 ₦
Asset			
Current Assets			
Cash and Cash Equivalents	17.0	46,971,545,716	58,154,862,132
Inventories	18.0	65,361,957	45,441,696
Receivables	19.0	20,227,007,334	20,029,528,020
Prepayment	20.0	31,671,000	31,671,000
		67,295,586,006	79,061,502,856
Non-Current Assets			
Property, Plant and Equipment	21.0	80,069,707,679	78,811,448,180
Intangible Assets	22.0	765,915,664	765,916,663
Employee benefit obligation	23.0	-	-
Total Non-Current Assets		80,834,623,342	79,577,364,844
Total Asset		148,130,209,349	158,638,867,701
Liabilities			
Current Liability			
Payables	24.0	63,545,891,532	79,636,783,280
		63,545,891,532	79,636,783,280
Non-Current Liability			
Deferred Income	25.0	7,408,440,591	6,420,860,059
Related Party Transaction	26.0	4,230,996,251	1,943,293,843
Total Non-Current Liabilities		11,639,436,842	8,364,153,902
Total Liabilities		75,185,328,374	88,000,937,182
Net Assets			
Net Assets/Equity		72,944,880,977	70,637,929,521
Reserves	28.0	72,944,880,978	70,637,929,521
Total Net Assets and Liabilities		72,944,880,977	70,637,929,521

The Financial Statements set out on pages 10 to 15 were signed on behalf of the Board of Commissioners by:


Prof. Adeolu Akande
Chairman
FRC/2021/002/00000324526


Prof. Umar Garba Danbatta (FNSE)
Executive Vice Chairman
FRC/2018/COREN/0000010690


Yakubu Y. Gontor (FCA, ACTI)
Director, Financial Services
FRC/2018/ICA/00000018589

NIGERIA COMMUNICATIONS COMMISSION
 STATEMENT OF CHANGES IN NET ASSETS /EQUITY
 FOR THE PERIOD ENDED DECEMBER 31 2021

	Reserves	TOTAL
	₦	₦
Balance as at 1 January, 2021	70,637,929,520	70,637,929,520
Total Surplus (Deficit) for the period	(17,392,960,428)	(17,392,960,428)
Assets Reclassification	19,699,911,886	19,699,911,886
Balance as at 31 December, 2021	72,944,880,978	72,944,880,978
Changes in net equity for 2020:		
Balance as at 1 January, 2020	64,810,056,802	64,810,056,802
Equity Contribution during the year	-	-
Total Surplus for the period	5,827,872,718	5,827,872,718
Assets Reclassification	-	-
Balance as at 31 December, 2020	70,637,929,520	70,637,929,520

NIGERIA COMMUNICATIONS COMMISSION
STATEMENT OF CASHFLOW
 FOR THE PERIOD ENDED DECEMBER 31 2021

Note	2021 ₦	2020 ₦
Cash flows from operating activities		
Surplus / (Deficit) for the year	(17,392,960,428)	5,827,872,718
Adjustment for:		
Items not involving Cash Movement		
Adjustment	19,699,911,886	-
Adjustment for:		
Depreciation	2,534,744,402	2,399,285,813
Amortization	-	-
	4,841,695,859	8,227,158,531
Changes in Receivables		
Change in trade and other receivables	602,520,695	(4,728,574,187)
Change in prepayments	-	-
Changes in inventory	(19,920,261)	(11,565,362)
Payables under non-exchange transactions	(15,103,311,217)	(9,282,018,338)
Changes Employee benefit obligation	-	-
Cash generated from operating activities	(9,679,014,923)	(5,794,999,357)
Cash flow from investing activities		
Acquisition of property, plant and equipment	(4,920,173,341)	(8,052,721,853)
Acquisition /Disposal of Intangible Asset	-	-
Adjustment to work in progress	1,128,169,443	-
Net cash used in investing activities	(3,792,003,900)	(8,052,721,853)
Cash flow from financing activities		
Related parties payables	2,287,702,408	(4,003,275,158)
Net cash used in financing activities	2,287,702,408	(4,003,275,158)
Net increase/(decrease) in cash and cash equivalents	(11,183,316,415)	(17,850,996,368)
Cash and Cash Equivalent at January 1	58,154,862,131	75,005,858,500
Cash and Cash Equivalent at December 31	46,971,545,715	58,154,862,131

NIGERIA COMMUNICATIONS COMMISSION
STATEMENT OF COMPARISON OF BUDGET AND ACTUAL AMOUNTS
FOR THE PERIOD ENDED DECEMBER 31 2021

	Original and final Budget	Actual on Comparable basis	Difference
	₦	₦	₦
RECEIPT			
Licenses and Permits			
Administrative Fees	64,757,000	15,046,089,387	14,981,332,387
Annual Operational Fees	71,930,000,000	84,897,613,794	(7,032,386,206)
License Fee	600,000,000	289,448,524	(310,551,476)
National Numbering Fees	3,384,000,000	6,561,918,632	3,177,918,632
Sales Form	-	7,129,422	7,129,422
Sanction Fees	50,000,000	2,015,438,000	1,965,438,000
Spectrum	36,488,838,000	183,367,151,647	146,878,313,647
Type Approval Fees	211,809,300	561,356,102	349,547,102
Transfers From Reserve	5,256,783,000	-	(5,256,783,000)
Broadband	44,000,000,000	-	(44,000,000,000)
Other Revenue	80,744,000	63,484,509	(17,259,491)
Total Receipts	162,066,931,000	272,809,630,018	110,742,699,018
Expenditure			
Personnel Cost	36,775,254,000	34,168,325,279	4,506,968,721
Administrative and General expenses	16,403,529,000	12,362,048,750	4,041,490,250
Spectrum Expenses	6,362,127,000	-	6,362,127,000
Depreciation/ Amortization	-	-	-
Total Operating Expenses	61,540,960,000	46,530,374,029	15,010,585,971
School Support	6,832,733,000	6,649,265,145	183,467,855
Universal Service Provision Funds	7,000,000,000	7,000,000,000	-
Emergency Communication Centres- (ECC)	5,687,820,000	2,520,221,492	3,167,598,508
Subscribers Database Management	882,550,000	-	882,550,000
ICT Park	2,000,000,000	2,000,000,000	-
Project Consultancies	1,008,404,000	1,002,196,759	6,207,241
Internal Projects	6,854,262,000	-	6,854,262,000
Digital Job Creation (Social Intervention Programme)	2,335,700,000	-	2,335,700,000
GSM, CDMA QoS Monitoring	559,000,000	-	559,000,000
R & D in Emerging Trends Telecoms	989,994,000	-	989,994,000
State Accelerated Broadband Initiative	24,373,969,000	24,373,969,000	-
Remittance to FGN	42,001,539,000	197,635,960,617	(155,684,421,617)
	100,525,971,000	241,231,613,013	(142,041,342,013)
Total Payment	162,066,931,000	287,761,987,041	-

Page 15

NIGERIA COMMUNICATION COMMISSION

NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**1. Statement of Compliance and Basis of Preparation – IPSAS 1**

The entity's financial statements have been prepared in accordance with and comply with International Public-Sector Accounting Standards (IPSAS). The financial statements are presented in Nigerian Naira, which is the functional and reporting currency of the entity and all values are rounded to the nearest Naira. The accounting policies have been consistently applied to all the years presented.

The financial statements have been prepared on the basis of historical cost, unless stated otherwise. The cash flow statement is prepared using the indirect method. The financial statements are prepared on accrual basis.

2. Summary of Significant Accounting Policies**A) Revenue Recognition****(i) Revenue from Non-Exchange Transactions – IPSAS 23****Fees, Levies and Fines**

The entity recognizes revenues from fees, levies and fines when the event occurs and the Asset Recognition criteria are met. To the extent that there is a related condition attached that would give rise to inability to repay the amount, deferred income is recognized instead of revenue. Other non-exchange revenues are recognized when it is probable that the future economic benefits or service potential associated with the asset will flow to the entity and the fair value of the asset can be measured reliably.

Transfers from Other Government Entities

Revenues from non-exchange transactions with other government entities are measured at fair value and recognized on obtaining control of the asset (cash, goods, services and property) if the transfer is free from conditions and it is probable that the economic benefits or service potential related to the asset will flow to the entity and can be measured reliably.

(ii) Revenue from Exchange Transactions – IPSAS 9**Rendering of Services**

The entity recognizes revenue from rendering of services by reference to the stage of completion when the outcome of the transaction can be estimated reliably. The stage of completion is measured by reference to labour hours incurred to date as a percentage of total estimated labour hours. Where the contract outcome cannot be measured reliably, revenue is recognized only to the extent that the expenses incurred are recoverable.

NIGERIA COMMUNICATION COMMISSION

NOTES TO THE FINANCIAL STATEMENTS FOR THE PERIOD ENDED DECEMBER 31, 2021

Sale of Goods

Revenue from the sale of goods is recognized when the significant risks and rewards of ownership have been transferred to the buyer, usually on delivery of the goods and when the amount of revenue can be measured reliably, and it is probable that the economic benefits or service potential associated with the transaction will flow to the Entity.

Interest Income

Interest income is accrued using the effective yield method. The effective yield discounts estimated future cash receipts through the expected life of the financial asset to that asset's net carrying amount. The "approach applies this yield to the principal outstanding to determine interest income each period."

Dividends

Dividends or similar distributions must be recognized when the shareholder's or the entity's right to receive payments is established.

Rental Income

Rental income arising from operating leases on investment properties is accounted for on a straight-line basis over the lease terms and included in revenue.

B) Budget Information – IPSAS 24

The annual budget is prepared on the accrual basis, that is, all planned costs and income are presented in a single statement to determine the needs of the entity. As a result of the adoption of the accrual basis for budgeting purposes, there are no basis, timing or entity differences that would require reconciliation between the actual comparable amounts and the amounts presented as a separate additional financial statement in the statement of comparison of budget and actual amount.

C) Taxes – IAS 12

Sales Tax

Expenses and assets are recognized net of the amount of sales tax, except: when the sales tax incurred on a purchase of assets or services is not recoverable from the taxation authority, in which case, the sales tax is recognized as part of the cost of acquisition of the asset or as part of the expense item, as applicable when receivables and payables are stated with the amount of sales tax included, the net amount of sales tax recoverable from, or payable to, the taxation authority is included as part of receivables or payables in the statement of financial position.

NIGERIA COMMUNICATION COMMISSION

NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**F) Leases – IPSAS 13**

Finance leases are leases that transfer substantially all of the risks and benefits incidental to ownership of the leased item to the Entity. Assets held under a finance lease are capitalized at the commencement of the lease at the fair value of the lease property or, if lower, at the present value of the future minimum lease payments. The Entity also recognizes the associated lease liability at the inception of the lease. The liability recognized is measured as the present value of the future minimum lease payments at initial recognition.

Subsequent to initial recognition, lease payments are apportioned between finance charges and reduction of the lease liability so as to achieve a constant rate of interest on the remaining balance of the liability. Finance charges are recognized as finance costs in surplus or deficit.

An asset held under a finance lease is depreciated over the useful life of the asset. However, if there is no reasonable certainty that the Entity will obtain ownership of the asset by the end of the lease term, the asset is depreciated over the shorter of the estimated useful life of the asset and the lease term.

Operating leases are leases that do not transfer substantially all the risks and benefits incidental to ownership of the leased item to the Entity. Operating leases are recognized as an operating expense in surplus or deficit on a straight-line basis over the lease term.

G) Intangible Assets – IPSAS 31

Intangible assets acquired separately are initially recognized at cost. The cost of intangible assets acquired in a non-exchange transaction is their fair value at the date of the exchange. Following initial recognition, intangible assets are carried at cost less any accumulated amortization and accumulated impairment losses. Internally generated intangible assets, excluding capitalized development costs, are not capitalized and expenditure is reflected in surplus or deficit in the period in which the expenditure is incurred. The useful life of the intangible assets is assessed as either finite or indefinite.

H) Research and Development Costs (Intangible Assets IPSAS 31)

The Entity expenses research costs as incurred. Development costs on an individual project are recognized as intangible assets when the Entity can demonstrate: The technical feasibility of completing the asset so that the asset will be available for use or sale, its intention to complete and its ability to use or sell the asset, how the asset will generate future economic benefits or service potential, the availability of resources to complete the asset and the ability to measure reliably the expenditure during development.

Following initial recognition of an asset, the asset is carried at cost less any accumulated amortization and accumulated impairment losses. Amortization of the asset begins when development is complete, and the asset is available for use.

NIGERIA COMMUNICATION COMMISSION

NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**F) Leases – IPSAS 13**

Finance leases are leases that transfer substantially all of the risks and benefits incidental to ownership of the leased item to the Entity. Assets held under a finance lease are capitalized at the commencement of the lease at the fair value of the lease property or, if lower, at the present value of the future minimum lease payments. The Entity also recognizes the associated lease liability at the inception of the lease. The liability recognized is measured as the present value of the future minimum lease payments at initial recognition.

Subsequent to initial recognition, lease payments are apportioned between finance charges and reduction of the lease liability so as to achieve a constant rate of interest on the remaining balance of the liability. Finance charges are recognized as finance costs in surplus or deficit.

An asset held under a finance lease is depreciated over the useful life of the asset. However, if there is no reasonable certainty that the Entity will obtain ownership of the asset by the end of the lease term, the asset is depreciated over the shorter of the estimated useful life of the asset and the lease term.

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Following initial recognition of an asset, the asset is carried at cost less any accumulated amortization and accumulated impairment losses. Amortization of the asset begins when development is complete, and the asset is available for use.

NIGERIA COMMUNICATION COMMISSION

NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**1) Financial Instruments – IPSAS 29****(i) Financial Assets Initial Recognition and Measurement**

Financial assets within the scope of IPSAS 29 Financial Instruments: recognition and measurement are classified as financial assets at fair value through surplus or deficit, loans and receivables, held-to maturity investments or available-for-sale financial assets, as appropriate. The Entity determines the classification of its financial assets at initial recognition.

Loans and Receivables

Loans and receivables are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market. After initial measurement, such financial assets are subsequently measured at amortized cost using the effective interest method, less impairment. Amortized cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the "effective interest rate. Losses arising from impairment are recognized in the surplus or deficit."

Impairment of Financial Assets

The Entity assesses at each reporting date whether there is objective evidence that a financial asset or an entity's financial assets is impaired. A financial asset or an Entity's financial assets is deemed to be impaired if, and only if, there is objective evidence of impairment as a result of one or more events that has occurred after the initial recognition of the asset (an incurred 'loss event') and that loss event has an impact on the estimated future cash flows of the financial asset or the entity's financial assets that can be reliably estimated. Evidence of impairment may include the following indicators: The debtors or an entity of debtors are experiencing significant financial difficulty; Default or delinquency in interest or principal payments; The probability that debtors will enter bankruptcy or other financial reorganization; Observable data indicates a measurable decrease in estimated future cash flows (e.g. changes in arrears or economic conditions that correlate with defaults)

ii) Financial Liabilities Initial Recognition and Measurement

Financial liabilities within the scope of IPSAS 29 are classified as financial liabilities at fair value through surplus or deficit or loans and borrowings, as appropriate. The Entity determines the classification of its financial liabilities at initial recognition. All financial liabilities are recognized initially at fair value and, in the case of loans and borrowings, plus directly attributable transaction costs.

Loans and Borrowing

After initial recognition, interest bearing loans and borrowings are subsequently measured at amortized cost using the effective interest method. Gains and losses are recognized in surplus or deficit when the liabilities are derecognized as well as through the effective interest method amortization process. Amortized cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the effective interest rate

**NIGERIA COMMUNICATION COMMISSION
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**

J) Inventories – IPSAS 12

Inventory is measured at cost upon initial recognition. To the extent that inventory was received through non-exchange transactions (for no cost or for a nominal cost), the cost of the inventory is its fair value at the date of acquisition. Costs incurred in bringing each product to its present location and conditions are accounted for, as follows:

Raw materials: purchase cost using the weighted average cost method, finished goods and work in progress: cost of direct materials and labour and a proportion of manufacturing overheads based on the normal operating capacity but excluding borrowing costs.

After initial recognition, inventory is measured at the lower of cost and net realizable value. However, to the extent that a class of inventory is distributed or deployed at no charge or for a nominal charge, that class of inventory is measured at the lower of cost and current replacement cost.

Net realizable value is the estimated selling price in the ordinary course of operations, less the estimated costs of completion and the estimated costs necessary to make the sale, exchange, or distribution. Inventories are recognized as an expense when deployed for utilization or consumption in the ordinary course of operations of the Entity.

K) Provisions – IPSAS 19

Provisions are recognized when the Entity has a present obligation (legal or constructive) as a result of a past event, it is probable that an outflow of resources embodying economic benefits or service potential will be required to settle the obligation where the Entity expects some or all of a provision to be reimbursed, for example, under an insurance contract, the reimbursement is recognized as a separate asset only when the reimbursement is virtually certain. The expense relating to any provision is presented in the statement of financial performance net of any reimbursement.

Contingent Liabilities

The Entity does not recognize a contingent liability but discloses details of any contingencies in the notes to the financial statements, unless the possibility of an outflow of resources embodying economic benefits or service potential is remote.

Contingent Assets

The Entity does not recognize a contingent asset but discloses details of a possible asset whose existence is contingent on the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the Entity in the notes to the financial statements. Contingent assets are assessed continually to ensure that developments are appropriately reflected in the financial statements. If it has become virtually certain that an inflow of economic benefits or service potential will arise, and the asset's value can be measured reliably, the asset and the related revenue are recognized in the financial statements of the period in which the change occurs.

**NIGERIA COMMUNICATION COMMISSION
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**

L) Nature and Purpose of Reserves

The Entity creates and maintains reserves in terms of specific requirements and appropriate policies adopted.

M) Changes in Accounting Policies and Estimates – IPSAS 3

The Entity recognizes the effects of changes in accounting policy retrospectively. The effects of changes in accounting policy are applied prospectively if retrospective application is impractical.

N) Employee benefits – IPSAS 25

(i) Retirement Benefit Plans

The Entity provides retirement benefits for its employees. Defined contribution plans are post-employment benefit plans under which an entity pays fixed contributions into a separate entity (a fund) and will have no legal or constructive obligation to pay further contributions if the fund does not hold sufficient assets to pay all employee benefits relating to employee service in the current and prior periods. The contributions to fund obligations for the payment of retirement benefits are charged against income in the year in which they become payable.

Defined benefit plans are post-employment benefit plans other than defined-contribution plans. The defined benefit funds are actuarially valued tri-annually on the projected unit credit method basis. Deficits identified are recovered through lump sum payments or increased future contributions on proportional basis to all participating employers. The contributions and lump sum payments reduce the post-employment benefit obligation.

(ii). Short-term Employee Benefits (Employee Cost), such as wages, salaries and social security contributions, paid annual leave, paid sick leave, profit-sharing and bonuses (if payable within twelve months of the end of the period) and non-monetary benefits (such as medical care, housing, cars and free or subsidized goods or services) for current employees.

a. Employee Costs:

i. Employee costs including the provision for pension contribution comprise:

	2021 =N=	2020 =N=
Salaries, Wages and Allowances	31,341,299,852	20,528,142,239
Pension Contributions	<u>2,827,025,427</u>	<u>2,024,004,770</u>
	<u>34,168,325,279</u>	<u>22,552,147,009</u>

**NIGERIA COMMUNICATION COMMISSION
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**

ii. The average number of persons employed by the commission as at year end, department by department are:

S/N	DEPARTMENTS	2021	2020
1	ADMINISTRATION	43	48
2	INTERNAL AUDIT	21	20
3	CORPORATE PLANING & STRATEGY	38	29
4	COMMISSION SECRETARY	21	12
5	CONSUMER AFFAIRS	34	37
6	COMPLIANCE MONITORING & ENFORCEMENT	36	38
7	DIGITAL ECONOMY	18	8
8	EC (STAKEHOLDERS MANAGEMENT)	5	5
9	EC (TECHNICAL SERVICES)	10	9
10	EXECUTIVE VICE CHAIRMAN	25	22
11	FINANCIAL SERVICES	45	37
12	HUMAN CAPITAL	36	32
13	INFORMATION TECHNOLOGY	33	34
14	LICENSING & AUTHORIZATION	30	30
15	LEGAL & REGULATORY SERVICES	31	32
16	NEW MEDIA & INFORMATION SECURITY	35	33
17	PUBLIC AFFAIRS	47	45
18	POLICY COMPETITION & ECONOMIC ANALYSIS	37	43
19	PROJECTS	28	27
20	PROCUREMENT	22	18
21	SPECTRUM ADMINISTRATION	43	43
22	RESEARCH & DEVELOPMENT	28	30
23	TECHNICAL STANDARDS	31	31
24	ZONAL OPERATION	22	30
25	SPECIAL DUTIES	31	28
26	USPF	39	31
27	HUMAN CAPITAL & ADMINISTRATION	5	4
28	OFFICE OF HONORABLE MINISTER OF COMMUNICATION AND DIGITAL ECONOMY	1	-
	TOTAL	796	756

**NIGERIA COMMUNICATION COMMISSION
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**

iii. The average number of persons employed by the Commission as at year end in the Zonal offices and Headquarter are:

S/NO	ZONAL OFFICES AND HEADQUARTER	2021	2020
1	ENUGU ZONAL OFFICE	11	12
2	IBADAN ZONAL OFFICE	21	19
3	KANO ZONAL OFFICE	48	43
4	LAGOS ZONAL OFFICE	42	40
5	PHC ZONAL OFFICE	21	20
6	HEADQUARTER	796	756
	TOTAL	939	890

O) Foreign currency Transactions – IPSAS 4

Transactions in foreign currencies are initially accounted for at the ruling rate of exchange on the date of the transaction. Trade creditors or debtors denominated in foreign currency are reported at the statement of financial position reporting date by applying the exchange rate on that date. Exchange differences arising from the settlement of creditors, or from the reporting of creditors at rates different from those at which they were initially recorded during the period, are recognized as income or expenses in the period in which they arise.

P) Borrowing Costs – IPSAS 5

Borrowing costs are capitalized against qualifying assets as part of property, plant and equipment. Such borrowing costs are capitalized over the period during which the asset is being acquired or constructed and borrowings have been incurred. Capitalization ceases when construction of the asset is complete. Further borrowing costs are charged to the statement of financial performance.

Q) Related Parties – IPSAS 20

The Entity regards a related party as a person or an Entity with the ability to exert control individually or jointly, or to exercise significant influence over the Entity, or vice versa. Members of key management are regarded as related parties and comprise the Executive Vice Chairman, the Commissioners, Directors, Heads of Departments, and Senior Managers.

**NIGERIA COMMUNICATION COMMISSION
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**

R) Service Concession Arrangements – IPSAS 32

The Entity analyses all aspects of service concession arrangements that it enters in determining the appropriate accounting treatment and disclosure requirements. Where a private party contributes an asset to the arrangement, the Entity recognizes that asset when, and only when, it controls or regulates the services the operator must provide together with the asset, to whom it must provide them, and at what price. In the case of assets other than 'whole-of-life' assets, it controls through ownership beneficial entitlement or otherwise – any significant residual interest in the asset at the end of the arrangement. Any assets so recognized are measured at their fair value. To the extent that an asset has been recognized, the Entity also recognizes a corresponding liability, adjusted by a cash consideration paid or received.

S) Cash and Cash Equivalents

Cash and cash equivalents comprise of cash on hand and cash at bank, short-term deposits on call and highly liquid investments with an original maturity of three months or less, which are readily convertible to known amounts of cash and are subject to insignificant risk of changes in value. Bank account balances include amounts held at the Central Bank of Nigeria and at various commercial banks at the end of the financial year. For the purposes of these financial statements, cash and cash equivalents also include short term cash imprest and advances to authorised officers and/or Zonal operations which were not surrendered or accounted for at the end of the financial year.

Comparative Figures

Where necessary, comparative figures for the previous financial year have been amended or reconfigured to conform to the required changes in presentation.

T) Significant Judgments and Sources of Estimation Uncertainty – IPSAS 1

The preparation of the Entity's financial statements in conformity with IPSAS requires management to make judgments, estimates and assumptions that affect the reported amounts of revenues, expenses, assets and liabilities, and the disclosure of contingent liabilities at the end of the reporting period. However, uncertainty about these assumptions and estimates could result in outcomes that require material adjustment to the carrying amount of the asset or liability affected in future periods.

Estimates and Assumptions.

The key assumptions concerning the future and other key sources of estimation uncertainty at the reporting date, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year are described below. The Entity based its assumptions and estimates on parameters available when the consolidated financial statements were prepared. However, existing circumstances and assumptions about future developments may change due to market changes or circumstances arising beyond the control of the Entity. Such changes are reflected in the financial statements

**NIGERIA COMMUNICATION COMMISSION
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31, 2021**

Assumptions when they occur. IPSAS 1.140

Useful Lives and Residual Values

The useful lives and residual values of assets are assessed using the following indicators to inform potential future use and value from disposal: The condition of the asset based on the assessment of experts employed by the Entity. The nature of the asset, its susceptibility and adaptability to changes in technology and processes. The nature of the processes in which the asset is deployed, availability of funding to replace the asset changes in the market in relation to the asset.

U) Subsequent Events – IPSAS 14

There have been no events after the financial year end with a significant impact on the financial statements for the period ended December 31, 2021.

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 ₦	2020 ₦
3.0 Revenue (License and Permit)		
Administrative Fees		
ABJ - Administrative Fees	15,046,089,387	9,046,469,768
ENU - Administrative Fees	-	-
IBD - Administrative Fees	-	-
KAN - Administrative Fees	-	-
LOS - Administrative Fees	-	-
FHC - Administrative Fees	-	37,500
Total Administrative Fees	15,046,089,387	9,046,507,268
4.0 Annual Operating Levy		
ABJ - Annual Operating Levy	64,893,933,374	52,571,481,196
IBD - Annual Operating Levy	3,680,420	44,756,923
Total Annual Operating Levy	64,897,613,794	52,616,238,118

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 ₦	2020 ₦
5.0 License Fee		
ABJ - Vehicular Tracking Services	1,125,000	825,000
ABJ - Collocation Infrastructure Sharing	7,400,101	4,341,768
ABJ - Private Network Links	20,251,125	8,273,675
ABJ - International Data Access Services	44,781,249	28,916,666
ABJ - Unified Access Service	62,994,167	36,450,000
ABJ - International Cable Infrastructure & Landing	2,633,597	
ABJ - Class License Fee	10,962,000	12,633,000
ABJ - National Long Distance Operator	2,000,000	875,000
ABJ - Metropolitan Fibre Cable Network	50,000	50,000
ENU - Class License Fee	-	-
IBD - Class License Fee	-	-
KAN - Excess Payments	323	
KAN - Class License Fee	-	-
KAN- Sales & Installation	-	1,000
LOS - Collocation Infrastructural Sharing	200,000	200,000
LOS - International Data Access Services	5,000,000	5,000,000
LOS - Class License Fee	-	-
PHC - Metropolitan Fibre Cable Network	-	-
PHC - Vehicular Tracking Services	100,000	100,000
PHC - Class License Fee	-	-
ABJ - Sales & Installation	43,255,464	28,913,799
ABJ - Internet Services Provider	14,688,028	9,558,525
ABJ - Non-Commercial User Networks Links	-	-
ABJ - Interconnect Exchange Services	6,016,666	1,816,666
ABJ - Very Small Aperture Terminal	108,333	100,000
Amount Carried Down	221,561,053	138,065,100

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 ₦	2020 ₦
Amount Brought Down	221,561,053	138,065,100
ABJ - Value Added Services	58,403,157	38,946,035
ABJ - Open Access Fibre Infrastructure(INFRACO)-License	500,000	500,000
ABJ - Excess Payments	175,984	1,271,109
ENU - Internet Service Provider	100,000	100,000
IBD - Value Added Services	208,333	200,000
LOS - Sales & Installation	3,400,000	3,400,000
LOS - Internet Services Provider	1,100,000	1,100,000
LOS - Vehicular Tracking Services	100,000	100,000
LOS - Value Added Services	3,799,999	3,799,999
PHC- Very Small Aperture Terminal	-	-
PHC - Internet Services Provider	100,000	100,000
Total Licence Fee	289,449,524	187,582,241
6.0 New Numbering Plan		
ABJ - New Numbering Plan	6,661,918,632	5,341,756,577
LOS - New Numbering Plan	-	-
Total New Numbering Fee	6,661,918,632	5,341,756,577
7.0 Sales Form		
ABJ - Sale of Forms	7,129,422	2,248,743
ENU - Sale of Forms	-	-
IBD - Sale of Forms	-	-
KAN - Sale of Forms	-	-
LOS -Sale of Forms	-	-
PHC - Sale of Forms	-	2,000
Total Sales Form	7,129,422	2,250,743

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 ₦	2020 ₦
8.0 Sanction Fees		
IHS Communication Limited	-	10,000,000
Kkon Technologies Limited	10,000,000	5,000,000
Log Mobile Nig Ltd	-	2,000,000
MTN Nig. Communications Ltd	-	6,000,000
Airtel Limited	700,121,000	3,250,000
Emerging Markets Telecom Serv. Ltd	123,817,000	10,000,000
Globacom Nigeria Ltd	-	10,000,000
Glomobile Ltd	-	750,000
Techlinks Technology Solutions	500,000	-
Sfmbanet Nigeria Ltd	-	3,500,000
Backbone Connectivity Network Nig. Ltd	-	2,000,000
Entouche Technologies Ltd	-	5,000,000
Futurecom Limited	-	5,000,000
Intercellular	1,178,000,000	-
Huawei Technologies Co.Nig.Ltd	2,000,000	-
Corviva Technologies Nig Ltd	-	1,000,000
Ver Se Global Innovation Limited	-	1,000,000
Webb Fontaine Nigeria Ltd	-	-
Mobile Lotteries Ltd	500,000	500,000
Ntech Communication Ltd	500,000	5,000,000
Priority Communication Ltd	-	5,000,000
Spar Port Harcourt Mall	-	5,000,000
VDT Communication Ltd	-	5,000,000
Winrock Nig Ltd	-	2,000,000
Sponge Limited	-	2,000,000
	2,016,438,000	89,000,000
9.0 Spectrum Fees		
ABJ - Spectrum Fees	183,367,151,647	26,428,642,452
LOS - Spectrum Fees	-	-
Total Spectrum Fees	183,367,151,647	26,428,642,452

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021	2020
	₦	₦
10.0 Type Approval Fees		
ABJ - Type Approval Fees	561,106,102	265,090,005
KAN - Type Approval Fees		-
PHC - Type Approval Fees	250,000	
LOS - Type Approval Fees		-
Total Type Approval Fees	561,356,102	265,090,005
11.0 Other Revenue		
ABJ - Other fees (legal)	47,680,000	28,141,500
ABJ - Tender Fees	13,858,778	1,880,000
ABJ - Sundry Income	1,945,732	2,692,000
LOS-Miscellaneous income		-
LOS - Other fees (legal)		
Total Other Revenue	63,484,509	32,713,500
Total Revenue	272,809,630,018	94,009,780,903
12.0 Fixed Asset Disposal	72,493,723	
13.0 Foreign Exchange Gains	21,647,274	37,682,090
14.0 Personnel Cost		
Salary and Wages	28,629,293,820	18,247,090,594
Allowances and Social Contribution	6,238,072,247	4,170,251,846
Staff Welfare	800,353,212	134,804,570
Total Personnel Cost	34,168,325,279	22,552,147,009

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 N	2020 N
15.0 Administrative and General Expenses		
Advertisement	1,035,687,084	703,763,364
Audit Expenses	13,423,000	13,370,000
Audit Fees	25,000,000	25,000,000
Board Expenses	7,1582,600	447,031,144
Computer and Other Consumables	17,284,926	8,746,436
Consultancy Fees	5,127,760	-
Contribution to International Bodies	347,319,796	321,255,346
Entertainment	126,625,084	49,433,795
Forum, Conference and Seminar	782,687,110	383,224,555
Fuel and Lubricants	205,229,128	229,467,826
Insurance	143,513,322	118,909,173
Hotel Accommodation	31,786,579	17,362,353
Information Technology Expenses	1,231,948,447	591,696,570
Legal and Professional Services	404,113,370	191,258,058
Library Expenses	28,212,169	550,000
Maintenance of Office Equipment	1,184,405,311	273,627,867
Maintenance of Plant and Machinery	820,000	252,200
Maintenance of Building	28,592,122	7,551,941
Vehicle Running Expenses	40,857,508	26,418,319
Newspapers and Periodical	7,362,900	10,416,310
General Office Expenses	242,102,895	51,151,068
Utilities -Electricity and Water Expenses	186,475,368	312,508,576
Postage and Courier	25,692,756	16,066,236
Printing and Stationery	143,342,544	87,819,250
Recruitment /Relocation Expenses	13,470,885	4,359,966
Research and Studies	333,159,387	345,559,050
Regulation and Enforcement Expenses	979,298,590	331,301,614
Consumer Protection and Education	644,235,345	-
Bank Interest and Charges	10,536,936	8,199,814
Rent and Rate	13,975,627	16,100,000
Security Expenses	228,241,283	149,432,007
Public Relations	294,393,738	123,949,593
Subscription	51,273,061	17,368,719
Tender Expenses	153,943,965	7,865,200
Training and Development Expenses	1,066,442,338	649,796,429
Transport and Traveling (Local)	737,695,656	436,885,871
Transport and Traveling (Foreign)	865,490,174	436,638,671
Total Administrative and General Expenses	12,362,048,750	6,414,337,321

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 N	2020 N
16.0 Special Intervention Expenditures		
16.1 School Support		
Being the value of Computer labs, Wireless clouds, E-health facilities, Laptops and related accessories distributed to Tertiary Institutions in the Country. This is in effect a school support programme for the Country and tranches of payment were as follows: Advance Digital Bridge Appreciation Programme	6,649,265,145	1,249,593,630
Total School Support -	6,649,265,145	1,249,593,630
16.2 Universal Service Provision Funds	7,000,000,000	7,500,000,000
This is the Commission contribution to U.S.P.F for the year under review, in line with the Nigerian Communications Commissions Act No. 19 of 2003 The U.S.P.F seeks to promote the availability of telecoms and ICT infrastructure in underserved and unserved areas of the Country.		
16.3 Emergency Communication Centres- (ECC)	2,520,221,492	2,396,440,000
Located in the 36 states and Federal Capital Territory (FCT) (Approved by Federal Executive Council in 2005) to provide citizens with emergency response services.		
16.4 Digital Bridge Institute (DBI)		2,196,000,000

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 ₦	2020 ₦
16.5 SIM Registration Project		800,000,000
16.6 State Accelerated Broadband Initiative (SABI)	24,373,969,000	265,107,250
16.7 Project Consultancies	1,002,196,759	386,066,627
16.8 ICT Park	2,000,000,000	-
Total Other Special Projects	43,545,652,396	14,793,207,507
16.9 Operating Surplus transfer to Federal Government of Nigeria	197,685,960,617	42,060,612,626
<p>This represents calculated operating surplus remitted, recorded in 2021 Financial year to the Federal Government of Nigeria, in line with the provision of the Fiscal Responsibility Commission Act of 2007. Spectrum Fees were remitted 100% by the Commission</p>		
17.0 Cash and Cash Equivalent		
Other Imprest		-
ABJ Main Imprest	441,548	505,500
Admin Fuel Imprest-(Adm Dept)		
EVC Office Fuel Imprest		-
	441,548	505,500

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 ₦	2020 ₦
Cash and Cash Equivalent		
Central Bank of Nigeria TSA A/C	46,465,834,206	57,736,840,035
CBN Domiciliary Acct	304,269,962	216,516,598
U.B.A Current Account (Garnished Account)	101,000,000	101,000,000
Ecobank (Garnished Account)	100,000,000	100,000,000
	46,971,104,168	58,154,356,632
Cash Balance		
Total Cash and Cash Equivalent	46,971,545,716	58,154,862,132
18.0 Inventories		
Consumables	65,293,707	45,441,696
Stock-Stationeries	68,250	
	65,361,957	45,441,696
19.0 Receivables		
19.1 Staff		
Staff Cash Advances	1,956,729	1,130,354
Staff Rent Control Account	7,403,742	
Staff Furniture Grant	7,935,450,303	8,041,159,668
Staff Hard Furnishing Loan		
Staff Vehicle Allowance	2,037,294,243	832,603,139
Staff Housing Loan Scheme	8,660,607,025	10,073,246,058
	19,542,712,041	18,948,139,219
19.2 Other Receivables		
Sundry Debtors	1,244,733,361	1,242,524,544
NSITF		93,648,661
N.H.F		
Staff Pension		
NCC Staff Co-operative & Thrift Society		188,282,067
Wages Clearance -HO		
KAN - Deferred Income	3,712,134	3,712,134
P.A.Y.E	335,849,798	353,221,404
	1,584,296,293	1,881,388,810
19.3 Operators		
MTN Sanction		
Total Receivables	20,227,007,334	20,829,528,028
20.0 Prepayment		
Rent	31,671,000	31,671,000

**NIGERIA COMMUNICATIONS COMMISSION
NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD ENDED DECEMBER 31 2021**

Property, Plant and equipment (PPE)

The movement on these accounts during the year was as follows:

Loss	Plant and Machinery		Land & Building		Office Furniture, Fittings and Equipment		Household Furniture and Equipment		Motor Vehicle		Library books		WIP		Total
	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	
As at 1 January 2020	1,060,024,782	48,176,482,010	3,887,927,428	87,650,132	3,851,676,349	2,390,288,040	90,604,081	48,085,954,354	407,559,530,357						6,035,722,853
Acquisitions		807,601,867	270,077,865		246,652,111	742,989,636									5,823,207,656
Transfers															
Disposed															
Balance at 31st December 2020	1,060,024,782	49,044,283,889	4,078,005,293	87,650,132	4,100,278,460	3,133,277,674	90,604,081	48,085,954,354	407,559,530,357						6,035,722,853
As at 1 January 2021	250,000	1,298,000,029	2,175,805,359	87,650,132	4,100,278,460	3,133,277,674	90,604,081	48,085,954,354	407,559,530,357						6,035,722,853
Transfers															
Disposed															
Balance at 31 December 2021	1,060,024,782	50,281,869,727	4,283,810,652	87,650,132	4,100,278,460	3,133,277,674	90,604,081	48,085,954,354	407,559,530,357						6,035,722,853

Depreciation	Plant and Machinery		Land & Building		Office Furniture, Fittings and Equipment		Household Furniture and Equipment		Motor Vehicle		Library books		WIP		Total
	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	
As at 1 January 2020	906,601,352	1,302,677,651	1,866,454,892	87,519,003	1,792,207,228	1,519,624,755	54,771,395	27,096,882,559	34,400,588,916						2,309,236,813
Depreciation for the year	54,801,086	1,175,083,526	337,214,775	127,663	341,236,695	490,822,059									
Impairment Loss															
Balance at 31st December 2020	961,402,438	2,477,761,156	2,203,669,667	87,646,666	2,133,443,911	2,010,446,814	54,771,395	27,096,882,559	34,400,588,916						2,309,236,813
Depreciation for the year	15,895,394	1,205,717,150	389,361,823												
Disposed															
Balance at 31 December 2021	977,297,832	3,783,478,307	2,593,031,491	87,646,666	2,133,443,911	2,010,446,814	54,771,395	27,096,882,559	34,400,588,916						2,309,236,813

Carrying amounts	Plant and Machinery		Land & Building		Office Furniture, Fittings and Equipment		Household Furniture and Equipment		Motor Vehicle		Library books		WIP		Total
	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	=N=	
Balance at 31 December 2020	382,626,996	46,519,751,420	1,730,149,262	51,187	1,965,784,530	659,705,077	40,837,286	20,994,467,814	60,335,737,679						107,559,530,357
Balance at 31st December 2020	396,622,345	46,466,502,541	1,874,305,625	51,187	1,965,784,530	1,129,630,823	45,837,296	20,912,518,631	78,817,445,196						107,559,530,357
Balance at 1st January 2020	453,423,450	46,790,764,359	1,951,442,736	179,600	2,053,169,124	876,663,267	43,837,296	20,908,318,076	73,150,311,140						107,559,530,357

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

22.0 Intangible Asset

The movement on these accounts during the year was as follows:

	Electronic and Computer (Software)	Type Approval Facility	Research & Development	Total
	N	N	N	N
Cost				
Balance at 1st January 2020	1,927,015,744	85,525,546	1,722,263	1,559,837,728
Additions	-	-	-	-
Disposal	-	(750,000)	-	-
Balance at 31st December 2020	1,927,015,744	84,775,546	1,722,263	2,013,513,553
Additions	-	-	-	-
Adjustment	-	-	-	0
Balance at 31 December 2021	1,927,015,744	84,775,565	1,722,263	2,013,513,553
Accumulated Amortisation and Impairment Loss				
Balance at 1st January 2020	1,161,099,101	84,775,546	-	1,245,874,647
Amortisation for year	-	-	-	0
Adjustment	-	-	-	-
Balance at 31st December 2020	1,161,099,101	84,775,546	-	1,245,874,647
Amortisation for year	-	-	-	-
Disposal	-	-	-	-
Balance at 31 December 2021	1,161,100,100	84,775,546	-	1,245,875,646
Carrying Amounts				
Balance at 31 December 2021	765,915,645	19	-	765,915,664
Balance at 31st December 2020	765,915,643	13	-	765,916,663
Balance at 1st January 2020	765,915,643	19	1,722,263	313,963,081

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021 ₦	2020 ₦
23.0 Employee Benefit Obligation		
Pension and Gratuity - Staff Contribution		-
		-
24.0 Current Payables		
Input VAT	298,890,652	385,338,979
N.H.F		3,048,827
Capital Commitment (Other Payables)	81,790,023,624	77,722,406,735
Output VAT	87,647,782	63,736,106
Stamp Duty-HO	42,669,624	
WHT	122,947,004	320,026,984
Retention fees	1,070,466,409	1,034,762,777
Pension and Gratuity - Staff Contribution	193,248,436	107,462,794
	63,545,891,532	79,636,783,280
25.0 Deferred Income (Unearned Revenue)		
ABJ - Deferred Income	6,718,666,879	5,716,978,016
ENU - Deferred Income	1,041,667	1,141,667
IBD - Deferred Income	7,891,668	8,000,001
LOS - Deferred Income	580,856,457	594,556,455
PHC - Deferred Income	4,020,120	4,220,120
Total Deferred Income	7,312,476,791	6,324,896,259
Deposit for Licenses	95,963,800	95,963,800
Total Unearned Revenue	7,408,440,591	6,420,860,059

NIGERIA COMMUNICATIONS COMMISSION
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE PERIOD ENDED DECEMBER 31 2021

	2021	2020
	₦	₦
26.0 Related Party Disclosure		
Pension Current Account	53,998,545	
Universal Service Provision Fund	4,176,997,706	1,943,293,843
	4,230,996,251	1,943,293,843
27.0 Reserves		
Beginning Balance	70,637,929,520	64,810,056,802
Adjustments	19,593,911,858	-
Surplus	(17,392,960,428)	5,827,872,718
Ending Balance	72,944,880,978	70,637,929,520



NCC IN PICTURE 2021

21

EMERGENCY COMMUNICATION CENTRE (ECC) IN PICTURES



EMERGENCY COMMUNICATION CENTRE (ECC) YOLA:
SOLAR POWERED PANELS FOR INVERTER SYSTEMS



TESTING OF CAD DISPATCHERS' WORKSTATION DEPLOYED TO
SEMA ADMAWA STATE



DISPATCHERS WORKSTATION



REPRESENTATIVE OF NCC, RESPONSE AGENCIES, AND CALL AGENTS
AT THE COMMISSIONING OF ECC KOGI



CALL AGENTS RECEIVING EMERGENCY CALLS AT ECC CENTRES

DIGITAL LITERACY CAPACITY BUILDING IN PICTURES



THE EXECUTIVE VICE CHAIRMAN (EVC) OF NCC, PROF. UMAR GARBA DANBATTA, PRESENTING CERTIFICATES AT THE CLOSING OF THE DIGITAL LITERACY CAPACITY BUILDING FOR YOUTHS IN KANO STATE



THE HONOURABLE MINISTER FOR COMMUNICATION AND DIGITAL ECONOMY, PROF. ISA ALI IBRAHIM (PANTAMI) AT THE FLAG OFF OF THE DIGITAL ENTREPRENEURSHIP CAPACITY BUILDING FOR INDUSTRY STAKEHOLDERS



REUBEN MOUKA, HEAD, SPECTRUM DEPARTMENT (HSD) & ENG. ISMAILA GIWA, HEAD, EMERGENCY COMMUNICATION CENTRE (HECC) AT DIGITAL ENTREPRENEURSHIP CAPACITY BUILDING TRAINING IN FCT

**CROSS SECTION OF PARTICIPANTS AT
THE DIGITAL LITERACY PROGRAMS ACROSS THE COUNTRY**



EDO STATE



LAGOS STATE



ADAMAWA STATE



KANO STATE

COMPLETED COMMUNITY ICT CENTRE BORNO STATE





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22

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