



Self-Respect and Human Dignity

OFFICE OF CENSORSHIP



National Survey Report on Internet Service Providers (ISPs) In PNG

KEY FINDINGS

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FOREWORD BY CHIEF CENSOR



Papua New Guinea (PNG) gained independence in 1975 and its population only acquired widespread access to the internet in 2007. Prior to this, internet penetration was close to zero, and the country had very limited national press, television, radio networks and access to international media.

The internet is one of the powerful creations that offer people endless knowledge and entertainment and it plays a critical role today in many areas. There are multiple advantages of the internet. The internet allows people to learn information about any topic and offers an answer to any type of question, as it contains endless knowledge and information. Using a search engine like Google Chrome, Mozilla Firefox, Yahoo and more, they all allow users to ask any question and find a web page with an answer about the question. One can also watch videos on sites like YouTube, which contain millions of videos of several topics. Also, one can learn online courses in many different subjects, etc.

While there are many benefits of internet, its abuse is also inevitable and endemic. There is increasing evidence of abuse with the internet, especially viewing, downloading or uploading illicit content such as pornography and propaganda. The abuse is also more pronounced with social media platforms such as Facebook, WhatsApp, Youtube, Tiktok, etc. With the widespread use of mobile gadgets and internet accessibility, potentially anyone can abuse it especially by our youth population. Its social and mental impacts are well established in many countries and is a growing phenomenon in PNG.

Internet and other emerging ICT in the mass media and mobile phones present a wide range of opportunities and challenges, thus, government globally are taking appropriate actions to ensure in particular, the safety and security of its citizens online. Internet Content Filtering is one way of ensuring a ‘clean feed’ of information from the internet to its users to ensure that the cyber environment we exposed to is conducive and immune from unsuitable content.

Office of Censorship (OoC) as an agency responsible for monitoring and classifying of information content under its revised *Classification of Publication (Censorship) Act 1989* and National Censorship Policy II 2021-2025 focuses on regulating online services to address issues particularly unsuitable information content through the use of internet.

Through the NEC Decision 265/2023, the National Government has seen the need to protect our citizen thus, has directed the office of Censorship to work closely with National Information and Communication Technology Authority (NICTA) and Department of Information and Communication Technology (DICT) to filter unsuitable online content.

The objective of the survey is to find out if there is some form of control measures on all ISPs and its end-users. From this report, it was noted that most ISPs don’t have control measures to services provided to its end-users, thus recommendation is made for the Office of Censorship to work closely with relevant stakeholders and industry players to ensure there is control measures.

As stated in PNG Vision 2050, article 3.16.1, it declares that; *‘Mind Pollution, resulting from exposure to unethical communication mediums remains a threat to gender discrimination and the maintenance of a respectful society. The current generations seem to have lost respect for our culture and traditions’*.

Therefore, it is imperative that all relevant stakeholders at the national level and industry groups concerning ISPs work in collaboration to make Papua New Guinea become a ‘Smart, Wise, Fair, Healthy and Happy Society by 2050’.

JIM ABANI (Mr)
Chief Censor

EXECUTIVE SUMMARY

The internet and its associated technologies through the use of smartphones has significantly increased in the past decade. In the midst of the growing opportunities, significant challenges and substantial barriers remain in addressing the current widespread impacts of indecent and inappropriate internet content.

Office of Censorship has realized the detrimental aspects of inappropriate and unsuitable internet content on the people, especially children and youths in the country, hence, a study was based on three national surveys on internet service providers conducted in 2018, 2022 and 2023 to find out whether there are control mechanisms in place to safeguard end-users from accessing, downloading and sharing harmful and illegal internet content through different media platforms.

In 2014 and 2016, Office of Censorship as the mandated authority to classify publications, prohibit objectionable and unclassified publications and related purposes, took on the responsibility to develop a Concept Paper recommending an Internet Content Filtering System that may address a change in the mindset and behavior to overcome the social breakdown of our society. The proposed Concept Paper was developed to formulate a policy in ensuring that children and young people are protected from accessing immoral and indecent content such as pornography, child pornography, cybercrime and other offensive and prohibited harmful and illegal contents.

From 2017 to 2022, results from a research on Media and Sexual Content conducted by the Office of Censorship found strong reasons to initiate and undertake the process of developing internet content filtering system with the view to have a responsible mass media and public communication system that respects inherent dignity of human beings and their value system, and protect and promote decent behaviors of people in communities in PNG.

Out of the fifteen recommendations that stemmed from the research findings, two significant recommendations include the need to develop a policy and a system to filter illicit materials from different forms of mass media and to further develop an internet content filtering system. These recommendations will safeguard Papua New Guinea cyberspace from harmful and illegal information content entering the country.

The PNG Government embraced the robust data and evidence from the research findings and recommendations that proceeded to the formulation of a National Executive Council (NEC) Decision No. 265/2023 that was made in September 2023 to initiate the enforcement of filtering unsuitable internet content within PNG air space. Within the confines of the National Executive Council directive, Office of Censorship is entrusted with the task of defining and curating a list of IP addresses and websites that host or provide access to such unsuitable content.

According to the *National Information and Communication Technology Act 2009*, National Information and Communication Technology Authority (NICTA) regulates and licenses ICT service providers. In January 2023, NICTA developed a Guideline for Internet Service Providers with the intention providing a framework to cover operational requirements, interconnection requirements, privacy and data protection, cybersecurity, prohibited content or material and other general requirements.

The Guideline instructs an internet service provider (ISP) *not to produce, reproduce, disseminate or broadcast information with the content that propagates obscenity, pornography, gambling, violence, murder or fear or incites the commission of crimes and includes other content prohibited by PNG laws or administrative regulations of the Censorship Board of PNG*, amongst others. The Guideline further instructs ISPs to *make genuine attempts to block sites distributing offensive and/or prohibited materials under laws relating to harmful contents which are normally administered and enforced by PNG Censorship Board*.

The NEC Decision No. 265/2023 runs parallel to NICTA's Guidelines for Internet Service Providers, particularly Prohibited Content or Material, and as a matter of priority, a Memorandum of Understanding (MoU) is necessary for the Office of Censorship and National Information and Communication Technology Authority (NICTA) to effectively implement the PNG Government's data-driven decision.

Further to investigating whether there are external and/or internal control measures in place, Office of Censorship is also undertaking this survey to create a database registry for all ISPs in the country. According to a National Gazette No. G330 of Thursday, 4th June 2020, Schedule 2 & 3 under the Fees for Registration of Publication Premises, Office of Censorship is expected to collect fees/charges for Internet Service Providers Certificate K10,000.00 per annum, Internet Gateway Certificate K50,000.00 and Internet Café K1,000.00 per annum.

This report focuses on the outcome of the Preliminary ISP Survey 2018, ISP Survey 2022 and ISP Survey 2023 that was conducted within the private and public sector organizations and business houses to find out whether internet service providers have control measures in place. Furthermore, the report focuses on what initiatives can be used to address the harmful impacts caused if there are no control measures in place, especially to end-users whom some may be vulnerable.

ACRONYMS

| | |
|-------|--|
| ADSL | Assymetrical Digital Subscriber Line |
| APCS | Asia Pacific Communication Specialists |
| AVG | Anti-Virus Guard |
| CIIP | Censorship Information Intervention Program |
| DIP | Deliberate Intervention Program |
| DICT | Department of Information and Communicaiton Technology |
| ICF | Internet Content Filtering |
| ICT | Information Communication Technology |
| IT | Information Technology |
| IP | Internet Protocol |
| ISP | Internet Service Provider |
| KPA | Key Performance Area |
| KRA | Key Result Area |
| LAN | Local Area Network |
| MoU | Memorandum of Understanding |
| MTDP | Medium Term Development Plan |
| NCD | National Capital District |
| NEC | National Executive Council |
| NGFW | New Generation Firewall |
| NICTA | National Information and Communications Technology Authority |
| NPS | Net Promoter Score |
| NSAP | Nation-wide School Awareness Program |
| OoC | Office of Censorship |
| P2P | Peer-to-Peer |
| PIP | Public Investment Program |
| SPA | Strategic Priority Area |
| SPC | Strategic Policy and Coordation Division |
| USB | Universal Serial Bus |
| UTM | Unified Threat Management |

1. INTRODUCTION AND BACKGROUND

As the mandated government agency responsible for classifying, monitoring and regulating content on all public media, Office of Censorship embarked on a Preliminary Survey on ISP in 2018, ISP Survey 2022 and ISP Survey 2023 respectively with the intention of developing a policy to filter online content in order to prevent the increase in pornography, child pornography, cyberbullying and other malicious activities that is prevalent online.

National Censorship Policy II (2021-2025) policy focus area on Internet Content Filtering indicates that Office of Censorship must have an appropriate legal basis and partnership for a cyber security system to monitor and regulate internet services providers on content issues.

Medium Term Development Plan MTDP IV (2023 – 2027) Strategic Priority Area (SPA) 06 on National Security, Deliberate Intervention Program (DIP) 6.3 points out Cyber Security taking account of an implementing strategy of protection of critical infrastructure for cyber security development. The internet service providers (ISPs) use critical infrastructures in terms of communication systems that is vital for the functioning of our society and economy, therefore, Office of Censorship continues to build partnership with DICT, NICTA and PNG DataCo Ltd to ensure control measures are in place to ensure a clean feed of information and communication from the internet to its end-users.

Furthermore, MTDP IV (2023-2027) SPA 08 on National Government, National Statistics and Public Service Governance, DIP 8.5 points out Censorship to promote a high moral and ethical PNG society as an important feature of its development agenda. Its Key Results Area (KRA) is to remove offensive digital materials and implementation strategy is to improve and increase censorship control. These KPA can only be achieved through collaborative efforts with DICT, NICTA and PNG DataCo Ltd to classify, monitor and regulate the internet gateway through the internet service providers (ISPs).

According to the *NICTA Act 2009* developed a *Guideline for Internet Service Providers* specifying the minimum regulator requirements that must be observed by parties involved in the internet service. Some of the objectives of the Guideline include enhancing cybersecurity and minimizing use of services for illegal purposes, and thus, building trust in ICT; and assist ISPs and the law enforcement agencies to structure their interactions in relation to cybercrime issues, amongst others. The Guideline also aims to provide a framework on operational requirements, interconnection requirements, privacy and data protection, cybersecurity and prohibited content or material.

In terms of Prohibited Content or Material under the Guideline, an ISP may not produce, reproduce, disseminate or broadcast information with the content that opposes the fundamental principles determined in the PNG Constitution, compromises State security, harms the dignity or interests of the State, incites ethnic hatred or racial discrimination or damages inter-ethnic unity, propagates obscenity, pornography, gambling, violence, murder or fear or incites the commission of crimes and includes other content prohibited by PNG laws or administrative regulations of the Censorship Board of PNG.

Furthermore, the Guideline indicates that the ISPs should make genuine attempts to block sites distributing offensive and/or prohibited materials, and also stipulated in other PNG laws

relating to harmful content, which are normally administered and/or enforced by PNG Censorship Board. The ISPs shall also block access to or close down any website in respect of which the ISP has been notified in writing by the Censorship Board of PNG that pornographic or seditious material, or material of an offensive or defamatory nature, is being distributed from that website and where the ISP is lawfully obliged to terminate access to that website following delivery of that notice from the Censorship Board, and finally a licensee who is in doubt as to whether any content would be considered prohibited may refer such content to the Censorship Board of PNG for its decision.

PNG Vision 2050 is built on seven strategic focus areas which are referred to as pillars; Human Capital Development, Gender, Youth, and People Empowerment; Wealth Creation; Institutional Development and Service Delivery; Security and International Relations; Environmental Sustainability and Climate Change; Spiritual Cultural, and Community Development; and Strategic Planning, Integration and Control.

Concerning security matters (Security and International Relations) and the growing law and order problems (Spiritual, Cultural and Community Development), Office of Censorship strives to improving law and order and developing a strong moral obligation by way of filtering internet content that may be objectionable, online pornography, illegal and harmful sites and social media through the internet gateway and internet services providers (ISPs) for the purpose of protecting Papua New Guineans' physical, mental and spiritual wellbeing and aspiring to be 'smart, wise, fair, healthy and happy society' by end of year 2050.

The surveys were primarily undertaken to support the Concept Paper on Internet Content Filtering System that was developed in 2014 and 2016 respectively in order to accommodate Papua New Guinea's unique needs to digital transformation and the changing technology landscape . The ISP surveys gathered important data to help develop information-based policy on internet content filtering and the establishment of a database registry for ISPs in the country.

The establishment of a database registry will serve the purposes of generating revenue for the Office of Censorship through which internet service providers is classified as a Prescribed Activity under Schedule 2 & 3 pursuant to Public Finance Management Act Determination of Statutory Fees and Charges for Office of Censorship gazetted on 4th June 2020. The database registry would importantly serve as a foundational resource for monitoring and regulating internet content in the country.

The research conducted was also to ascertain the extent to which ISPs operate in the country and if they have control measures in place to protect their end-users from the proliferation of indecent and harmful content online. This study also endeavors to identify gaps and highlight the efficacy of existing control mechanisms utilized by ISPs at their gateways and their end-users. From the data collected from the surveys conducted, the Office will be able to determine the digital defenses needed to safeguard end-users, hence pave way for a safer and more regulated online space for all users.

The report contains findings and insights from the ISP survey conducted in ten (10) provinces in all four (4) regions of the country from year 2018 through to 2023. The provinces visited are Gulf, NCD and Milne Bay in the Southern region, East Sepik, Sandaun and Morobe in the Momase region, Manus, East and West New Britain for the New Guinea Islands region, and

Western Highlands and Jiwaka for the Highlands region. However due to insufficient data collected in Gulf and Manus, only eight (8) provinces out of the 10 were sampled and analyzed.

A combination of qualitative and quantitative research was utilized in this survey with a total of 8 and 5 questions respectively asked using questionnaires. The survey targeted ISP operators in each of the provinces visited in both urban and semi-urban settings.

This report encapsulates materials and methodology used in the data collection, results from findings gathered, discussions and participants view and recommendations.



2. OBJECTIVE

The purpose of this report is to provide an analysis of the findings on Preliminary ISP Survey 2018, ISP Survey 2022 and ISP Survey 2023 in sixteen (16) selected provinces within the four regions of the country. The report will compare and contrast the number of ISPs and ISP end-users through the survey results and emphasis will be placed on the subject of control measures that may correspond with the NEC Decision No. 265/2023 made in September 2023 with the intention to initiate the enforcement of filtering unsuitable internet content within PNG air space.

The primary objective of the ISP surveys was to initially support the need to establish an internet content filtering system for PNG emphasizing on the outcome of a series of research fieldwork conducted by the Office of Censorship in 2014 *Pilot Study on the use of Mobile Phones by school children and the access of indecent information and materials*, 2016 *Preliminary Study on Pornography in NCD*, 2018 *Preliminary Research on Media and Sexual Content* and *Preliminary ISP Survey*, *ISP Survey 2022*, and *2023 Media and Sexual Content* and *ISP Survey 2023* respectively, from which preventive strategies can be developed to address growing social issues that stem from immoral and indecent online contents accessed by ISP end-users.

The specific aims of the survey were to substantiate the developing of the Internet Content Filtering Policy and to improve revenue collection by establishing a database registry on internet service providers (ISPs) in PNG.



3. METHODOLOGY

The primary methodology utilized in this study is a survey that was conducted in 2018, 2022 and 2023 by Office of Censorship Research Officers who were assisted by officers from Strategic Policy and Coordination, Compliance and Enforcement and Corporate Services Division.

The officers used paper questionnaires to conduct door-to-door survey through which interviewers (officers) actually go outside and knock on doors and do the leg work necessary to obtain interviews.

Prior to conducting the interviews, the team observed and defined target areas and boundaries and proceeded to conduct the survey.

In conducting the interview, the interviewer contacts the authority of the organization or the person in charge of ICT. Once the contact is made, introductions are done, purpose of the survey indicated and solicit the participation of the respondent.

3.1 Questionnaire and Interviews

The research officers used paper questionnaires to conduct door-to-door survey, knocked on doors and did the leg work necessary to obtain information.

Prior to conducting the interviews, the team observed and defined target areas and boundaries and proceeded to conduct the survey. In conducting the interview, the interviewer would contact the the person in charge of the organization and enquire to have an information and communication technology (ICT) person to assist. Once contact is made, introductions are done, purpose of the survey indicated and information is solicited from the respondent.

A total of nine (9) questions were initially developed in 2018, however, in 2022 and 2023, survey questionnaire was refined and slightly amended. The questionnaire was brief and focused on the number of ISPs and the subject of external and internal control measures.

3.2 Data Collection

Respondents were interviewed by field officers at their respective offices, with interviews typically lasting five minutes. The main method used to obtain ISP field data for analysis is through survey. Research officers used the questionnaire to conduct interviews and sometimes allowed the respondent to complete the questionnaire unsupervised.

3.3 Data Analysis

The survey questionnaire had quantitative questions which made it easier to conduct analysis. Qualitative questions were included within the research survey to determine certain particularities and responses that varied from respective companies, business, government agencies and the general public.

The raw data from respective provincial surveys were compiled into provincial ISP Survey reports. These reports recorded the number of respondents, general informant details, ISP

related questions on filtering, and general ISP choice questions. The participants also had an option to provide feedback on certain ISP filtering mechanisms and indicated why filtering and regulation is important in PNG.

3.4 Limitations of Research

The ISP survey team experienced some significant challenges in 2018, 2022 and 2023 with respect to respondents' lack of understanding on the purpose of conducting the ISP survey, lack of knowledge on Office of Censorship roles and responsibilities sensitivity of information prevented respondents from providing accurate information considered confidential and non-availability of funds on scheduled dates affecting implementation schedules.

The limited time available to conduct fieldwork was also a concern for the research team. Therefore, there is a need to conduct longitudinal fieldwork for future ISP surveys.



4. SURVEY RESULTS

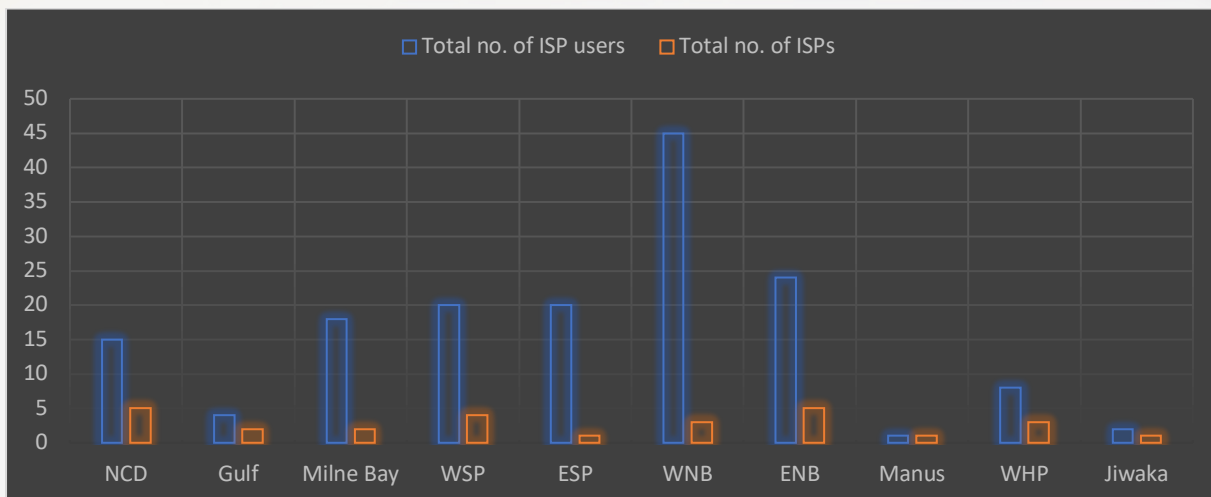
4.1 Preliminary ISP Survey 2018

In 2018, Office of Censorship conducted a Nation-wide School Awareness Program (NSAP) in selected schools in different provinces within the country, hence, research team proceeded to conduct a preliminary ISP survey through the NSAP in Wewak, East Sepik Province, Vanimo in Sandaun Province, National Capital District, Alotau in Milne Bay Province, Kokopo in East New Britain Province, Kimbe in West New Britain Province, Mt. Hagen in Western Highlands and Jiwaka Province. According to the report, some data collected were inconsistent due to limited time factor.

A combination of qualitative and quantitative research methods were used to collect the intended data. The questionnaire was very brief with close and open-ended questions that were distributed to target audiences from ISP users in the private and public sector.

Table 1.1. No. of ISPs by provinces

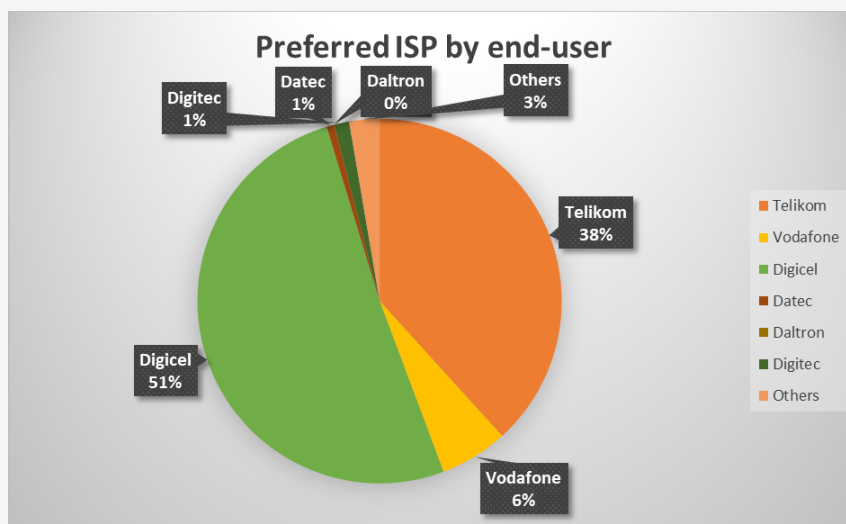
| | Provinces | Total number of ISP end-users | Total number of ISPs |
|-----------|----------------------------|--------------------------------------|-----------------------------|
| 1 | National Capital District | 15 | 5 |
| 2 | Gulf Province | 4 | 2 |
| 3 | Milne Bay Province | 18 | 2 |
| 4 | West Sepik Province | 20 | 4 |
| 5 | East Sepik Province | 20 | 1 |
| 6 | West New Britain | 45 | 3 |
| 7 | East New Britain | 24 | 5 |
| 8 | Manus Province | 1 | 1 |
| 9 | Western Highlands Province | 8 | 3 |
| 10 | Jiwaka Province | 2 | 1 |
| | | 157 ISP end-users | 27 ISPs |



According to the graph indicated above, survey was conducted in ten (10) selected provincial townships that identified 157 ISP end-users from 27 indicated ISPs.

1. Who is your ISP?

| | Telikom | Vodafone | Digicel | Datec | Daltron | Digitec | Others | Total |
|--------------|-----------|----------|-----------|----------|----------|----------|----------|------------|
| NCD | 9 | 0 | 2 | 1 | 0 | 2 | 1 | 15 |
| Kerema | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| Alotau | 5 | 0 | 13 | 0 | 0 | 0 | 0 | 18 |
| Vanimo | 8 | 2 | 9 | 0 | 0 | 0 | 1 | 20 |
| Wewak | 6 | 0 | 6 | 0 | 0 | 0 | 1 | 20 |
| Kimbe | 18 | 5 | 22 | 0 | 0 | 0 | 0 | 45 |
| Kokopo | 4 | 1 | 17 | 0 | 0 | 0 | 2 | 24 |
| Manus | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mt. Hagen | 3 | 1 | 4 | 0 | 0 | 0 | 0 | 8 |
| Jiwaka | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| Total | 57 | 9 | 76 | 1 | 0 | 2 | 4 | 157 |



The graph above indicates that a total of 57 companies, organizations and business houses use Telkom as their internet service provider, Vodafone (9), Digicel (76), Datec (1), Digitec (2)

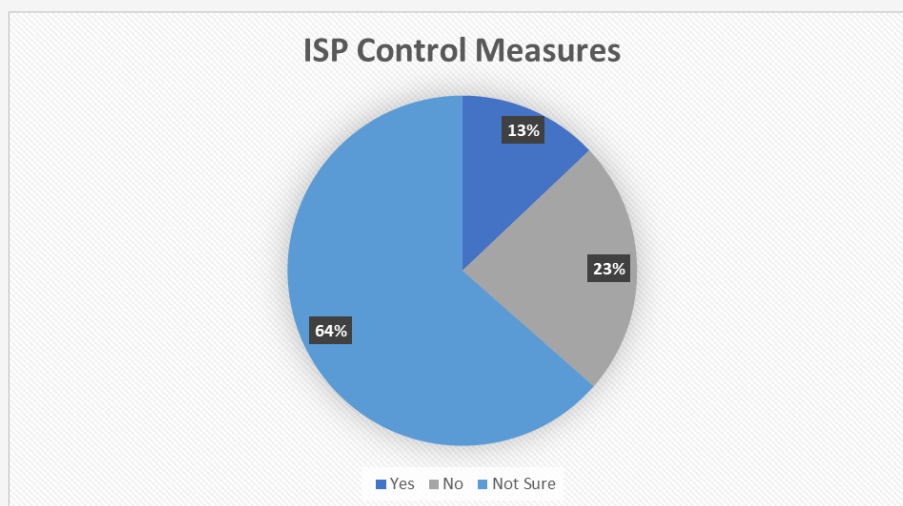
and others (4). Provincial townships outside of the nation’s capital sometimes have poor network that causes them to switch in between the two major ISP providers, Telikom and Digicel.

The table also shows that the number of ISP end-users is more than the number of ISPs in selected provincial townships to ensure that internet connection is not interrupted. This basically indicates that one ISP end-user can utilize more than one ISP to speed up uploading and downloading depending on the nature of their business and the amount of connectivity.

PNG’s diverse geographical locations can cause poor coverage, therefore, ISP users in provinces outside of NCD have more than one internet service provider to explore alternatives to find better coverage and speed for their location.

2. Are there any control measures provided by your Internet Service Provider?

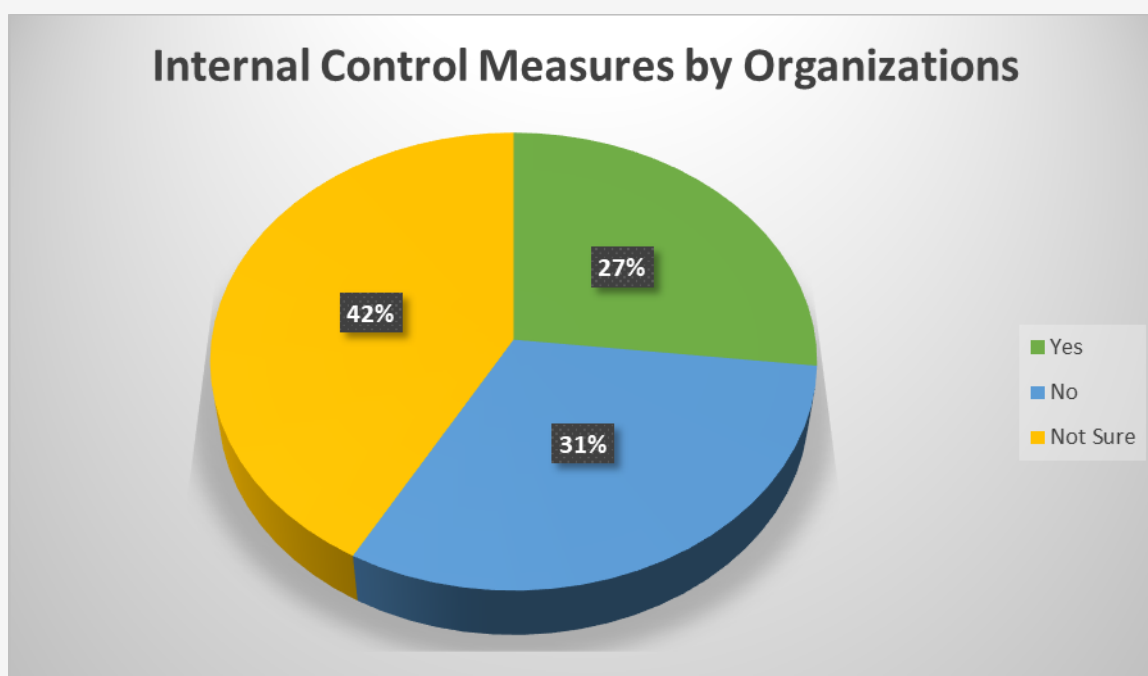
| | Yes | No | Not sure | Total # of respondents |
|-----------|-----------|-----------|------------|------------------------|
| NCD | 5 | 4 | 6 | 15 |
| Kerema | 0 | 0 | 0 | 0 |
| Alotau | 3 | 5 | 10 | 18 |
| Vanimu | 2 | 8 | 1 | 11 |
| Wewak | 1 | 4 | 15 | 20 |
| Kimbe | 2 | 1 | 42 | 45 |
| Kokopo | 1 | 0 | 23 | 24 |
| Manus | 4 | 14 | | 18 |
| Mt. Hagen | 4 | 3 | 11 | 18 |
| Jiwaka | 0 | 1 | 0 | 1 |
| | 22 | 40 | 108 | 170 |



This question relates to the subject of control and restriction of internet content by the ISP user. The table indicates that out of 170 respondents, 22 pointed out that they have restrictions imposed by their internet service provider, 40 indicated that they have an open network with no restrictions from their ISP and a total of 108 ISP users were not sure of their responses and also did not understand the technical aspect of the filtering process and procedures.

3. Are there any internet control measures set-up by your organization?

| | Yes | No | Not sure | Total # of respondents |
|-----------|-----------|-----------|-----------|------------------------|
| NCD | 10 | 4 | 1 | 15 |
| Kerema | 0 | 0 | 0 | 0 |
| Alotau | 3 | 12 | 3 | 18 |
| Vanimo | 4 | 7 | | 11 |
| Wewak | 6 | 5 | 9 | 20 |
| Kimbe | 3 | 2 | 40 | 45 |
| Kokopo | 0 | 2 | 22 | 24 |
| Manus | 10 | 16 | | 26 |
| Mt. Hagen | 11 | 7 | | 18 |
| Jiwaka | 1 | 0 | | 1 |
| | 48 | 56 | 75 | 178 |

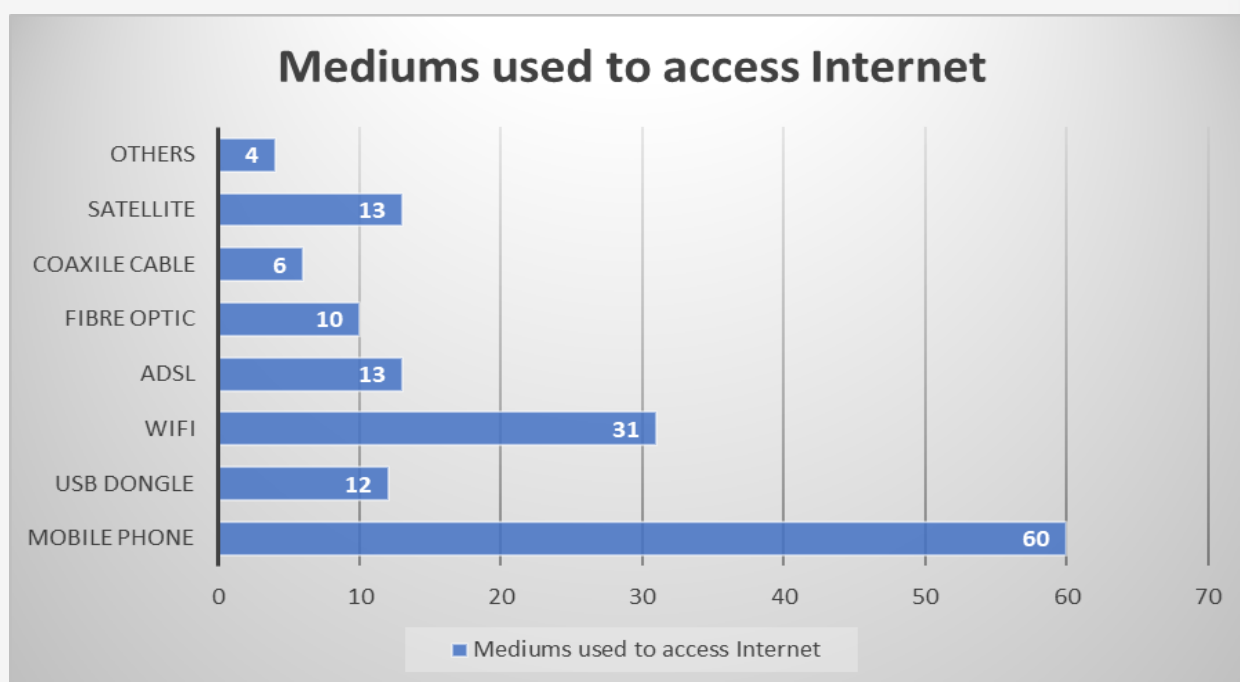


This question deliberates on the internal control measures imposed by Organizations' internal ICT personnel. The table above shows that out of 178 ISP end-users, 48 indicated that they use internal control measures, whilst 56 do not use internal control measures. The data further indicates that 75 out of 178 ISP end-users were not sure of the answers and did not understand the technical aspect of filtering softwares used by their organization.

4. What type of medium do you use to access the Internet?

| | Mobile Phone | USB Dongle | Wifi | ADSL | Fiber Optic | Coaxial Cable | Satellite | Others |
|--------|--------------|------------|------|------|-------------|---------------|-----------|--------|
| NCD | 6 | 2 | 5 | 1 | 5 | 1 | 1 | 2 |
| Kerema | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|
| Alotau | 8 | 2 | 3 | 4 | 1 | 0 | 2 | 0 |
| Vanimo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Wewak | 8 | 2 | 3 | 4 | 1 | 0 | 2 | 0 |
| Kimbe | 24 | 3 | 8 | 0 | 0 | 3 | 3 | 0 |
| Kokopo | 7 | 0 | 7 | 1 | 2 | 2 | 3 | 1 |
| Manus | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| Mt. Hagen | 4 | 3 | 3 | 2 | 1 | 0 | 1 | 0 |
| Jiwaka | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 60 | 12 | 31 | 13 | 10 | 6 | 13 | 4 |



There are different communication medium used to access internet service by the ISP user. According to the table above, a total of 60 ISP end-users access the internet using mobile phones, 31 access the internet using Wifi, whilst 13 access it through ADSL, 13 Satellite, 12 USB Dongle, 10 Fiber Optic, 6 Coaxile Cable and 4 others are not identified.

5. Why do you use the Internet?

| | Email | Search Online | Internet TV | Online Financial/Accounting | Social Media | Online Studies | Other |
|--------|-------|---------------|-------------|-----------------------------|--------------|----------------|-------|
| NCD | 13 | 12 | 0 | 5 | 8 | 7 | 14 |
| Kerema | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alotau | 13 | 4 | 1 | 6 | 5 | 0 | |
| Vanimo | 11 | 4 | 0 | 2 | 2 | 3 | |
| Wewak | 11 | 7 | 11 | 2 | 5 | 1 | |
| Kimbe | 17 | 16 | 5 | 2 | 10 | 7 | |
| Kokopo | 18 | 5 | 0 | 6 | 6 | 4 | |

| | | | | | | | |
|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Manus | 1 | 1 | 0 | 0 | 1 | 0 | |
| Mt. Hagen | 5 | 4 | 0 | 1 | 3 | 1 | |
| Jiwaka | 2 | 1 | 0 | 1 | 1 | 0 | |
| | 101 | 54 | 17 | 25 | 40 | 23 | 14 |

This question identifies reasons as to why ISP users access the internet. According to the table above, out of the 274 ISP users interviewed, 101 indicated that they access the internet for purposes of Email correspondences, 54 conduct Search Online, 40 access the internet for Social Media, 25 access the internet for Online Financial and Accounting, 23 undertake Online Studies, 17 view Internet TV and 14 ISP users were unsure and did not identify the communication mediums.



4.2 ISP Survey 2022

Following the Preliminary ISP Survey 2018, Office of Censorship identified the data inconsistencies and other related challenges, and restructured by conducting ISP field survey in Lae, Morobe Province and Kokopo, East New Britain Province in 2022 operational year.

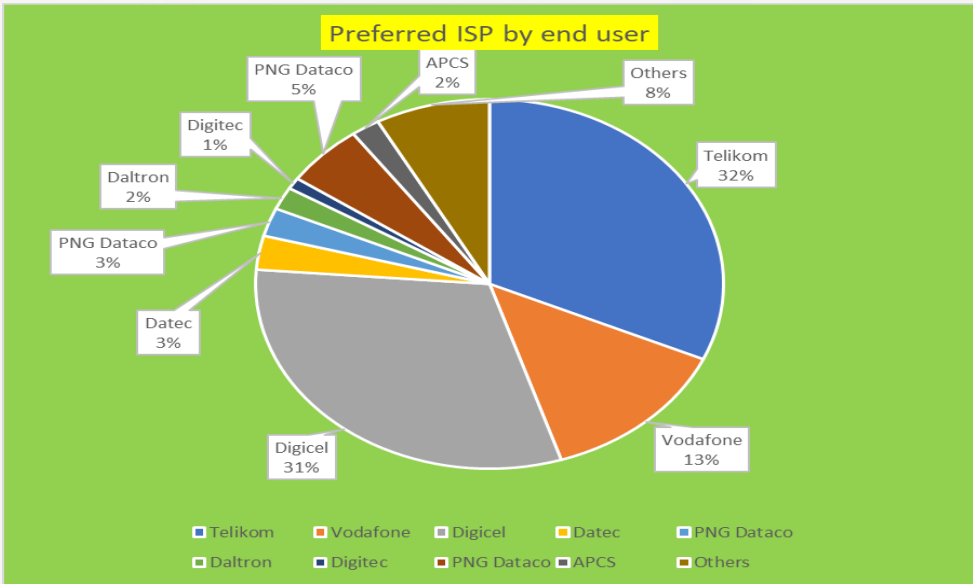
The survey was conducted with the intention of investigating whether there are external and/or internal control mechanisms in place to restrict inappropriate internet content that end-users access via their ISPs, and furthermore to establish a database registry system of all ISPs in the country in order to improve revenue collection for the Office of Censorship.

Table 1.2. No. of ISPs and ISP users by province

| | Province | Team Composition | Date | Total # of ISPs users | No. of ISPs |
|--------------|----------------------|--|---|-----------------------|-------------|
| 1 | Lae, Morobe Province | H.Lahui (Team Leader), B.Okamun, N.Kaido, J. Konop | 14 th – 18 th Nov. 2022 | 92 | 16 |
| 2 | Kokopo, ENBP | M.Talingapua (Team Leader), H.Lahui, W.Geno, S.Lapun, Jordan | 07 th – 11 th Nov. 2022 | 50 | 5 |
| Total | | | | 142 | 21 |

Question 1: Who is your ISP

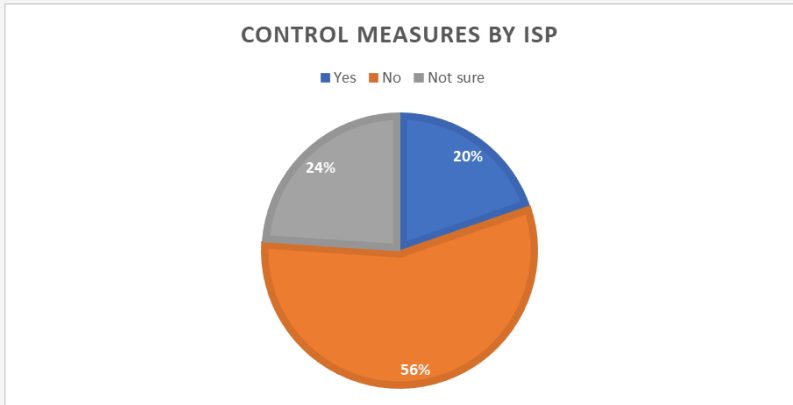
| No. | LAE, MOROBE PROVINCE | | KOKOPO, ENBP | |
|-----|----------------------------|------------|-----------------|-----------|
| | ISP Name | ISP Users | ISP Name | ISP Users |
| 1 | Telikom Limited | 35 | Telikom Limited | 29 |
| 2 | Vodafone PNG | 12 | Vodafone PNG | 15 |
| 3 | Digicel PNG | 27 | Digicel PNG | 36 |
| 4 | Datec (PNG) Ltd. | 6 | PNG DataCo Ltd. | 5 |
| 5 | Daltron PNG Limited | 4 | APCS | 1 |
| 6 | Digitec ICT Limited | 2 | | |
| 7 | PNG DataCo Ltd. | 6 | | |
| 8 | Global Internet Limited | 3 | | |
| 9 | MyNet PNG | 4 | | |
| 10 | Lightspeed PNG | 2 | | |
| 11 | APCS | 3 | | |
| 12 | Kacific Broadband Services | 1 | | |
| 13 | Excite PNG Limited | 3 | | |
| 15 | Speedcast PNG | 2 | | |
| 16 | Genesis Communication | 1 | | |
| | 16 | 111 | | 86 |



Telikom and Digicel are leading ISPs in Morobe and East New Britain Provinces. Tally also shows that Vodafone is also contending with the two major players in the industry while Datec and PNG Dataco have a slight difference with each other in both centers. Even though Vodafone is a new player in the telecommunications field, data for Lae also shows a few minor Internet Service Providers whereas Kokopo does not. This may indicate the limitations in data collection and the locality of the centers where Lae is a major industrial hub and Kokopo is an upcoming town.

Question 2: Are there any control measures provided by your ISP?

| | Lae, Morobe Province | Kokopo, ENBP |
|---------------------------------|----------------------|--------------|
| Yes | 18 | 10 |
| No | 40 | 40 |
| Not indicated | 34 | - |
| Total no. of respondents | 92 | 50 |

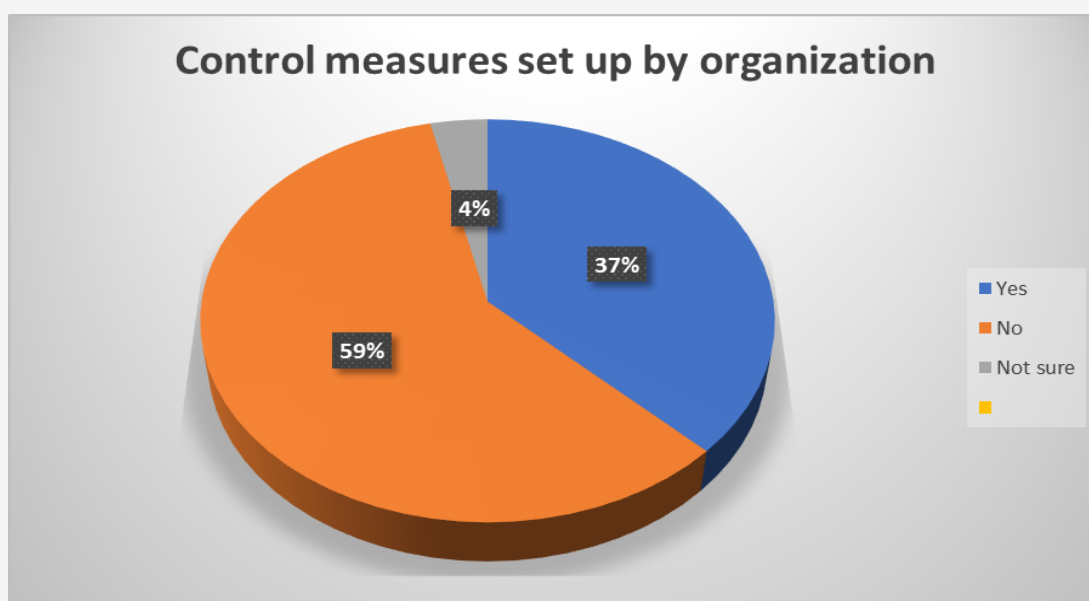


From the dataset above more than 80% of the Internet Service Providers do not provide any control measures for their end users. Data from both centers clearly indicate that ISPs in the country do not have any control mechanisms in place to protect their users from indecent and malicious activities online. East New Britain has only 20% agreeing to having control measure

in place by their ISP while Morobe has less than that percentage. The table above shows that 34 out of the 92 respondents in Lae did not indicate if there are any control measures provided by their ISP.

Question 3: Are there any internal control measures set up by your organization?

| | Lae, Morobe Province | Kokopo, ENBP |
|---------------------------------|----------------------|--------------|
| Yes | 33 | 20 |
| No | 54 | 30 |
| Not indicated | 5 | - |
| Total no. of respondents | 92 | 50 |



The data from the organizations interviewed in this survey in both provinces indicate that more than 50% of the organizations have no control measures set up to protect their staff from online malicious activities. Data also shows that less than 40% of the organizations do have control mechanisms in place or otherwise have only a limited number of staff who access the internet. According to the analysis, internet access is restricted to persons in managerial positions only.



Question 4: What type of medium do you use to access the internet?

| | Morobe Province | East New Britain Province |
|-----------------------------|------------------------|----------------------------------|
| Communication Medium | ISP Users | ISP Users |
| Mobile Phone | 47 | 48 |
| USB Dongle | 13 | 6 |
| Wifi | 23 | 19 |
| ADSL | 6 | 5 |
| Fibre Optic Cable | 8 | 4 |
| Coaxial Cable | 2 | 1 |
| Satellite | 5 | - |
| Digicel Lan Router | 1 | 4 |
| Working Desktop | 3 | 5 |
| Satellite Tablet | 1 | - |
| LAN Server | 2 | 5 |

Table above shows that more users/organizations access the Internet through Mobile Phones/Smartphones in both centers. A more lesser number use Wifi and USB Dongle to access Internet as shown above. This may be due to the availability of handsets and its selling price and other reasons the users may have but not indicated. Fibre optic cables and ADSL also top the list.

Question 5: Why do you use the internet?

| Purpose of Internet Usage | Lae, Morobe Province | Kokopo, ENBP |
|----------------------------------|-----------------------------|---------------------|
| Work email and Communication | 57 | 49 |
| Video conferencing | 16 | 18 |
| Cloud services | 11 | 9 |
| Online social networking | 23 | 36 |
| Streaming media | 17 | 18 |
| Online collaboration tools | 9 | 9 |
| Blogging | 10 | 2 |
| Online studying | 19 | 10 |
| Reading topics of interest | 5 | 31 |
| Downloading data | 33 | 28 |
| Playing online games | 28 | 7 |
| Research and information | 45 | 38 |
| Online Shopping | 1 | 11 |
| Satellite location | 2 | 1 |
| Commentary and Recording | 1 | 5 |

More than 50% of the respondents indicate that they use the internet for work, sending and receiving email, and communication. Users in both centers say they also use internet to download data/media and for doing research/information. Online social networking using Facebook, Instagram and others is the third main reason why the respondents use Internet.

Streaming media, Cloud Services, and Reading topics of interest appear as main reason why Internet is useful to the respondents. Blogging, Commentary and recording are used by respondents from the media and persons who have an interest in that field.



4.3 ISP Survey 2023

Following a meeting in mid 2023 on Censorship Implementation Intervention Program (CIIP) under the Public Investment Program (PIP) at the Tuna Bay Resort, a resolution was made to conduct ISP surveys in four selected provinces to improve from 2018 and 2022 ISP fieldwork. The 2023 ISP survey data places emphasis on control measures as the main objective of the survey.

ISP control measures refers to content filtering as a security method of restricting access to or blocking internet content that may be considered inappropriate and unsuitable such as pornography and other related sexual content for viewing by the public. In terms of the ISP survey, content filtering may be developed for employees to protect their systems such as using antivirus scanning to block off malicious operations, and filtering system may only restrict certain types of files.

Table 1.3. No. of ISPs and ISP users by province

| No. | Provinces | Team Composition | Date | Total no. of ISP Users | Total no. of ISPs |
|-----|---------------|--|---|------------------------|-------------------|
| 1 | Mt.Hagen, WHP | N.Kaido (Team Leader), A.Ap, G.Kapa, C.Waive, O.Vele | 18 th – 23 rd September | 72 | 8 |
| 2 | Alotau, MBP | H.Lahui (Team Leader), A.Ap, R.Tabel, G.Charlie, K.Pokana | 25 th – 29 th September | 67 | 8 |
| 3 | Kimbe, WNBP | N.Kaido (Team Leader), S.Lapun, A.Kalinoe, E. Roge, J. Kitonga, N. Malien | 02 nd – 06 th October | 98 | 6 |
| 4 | Wewak, ESP | Hale Lahui (Team Leader), G.Kapa, P.Posa, K. Laveil, K.Gerea | 09 th – 13 th October | 97 | 13 |
| | | | | 334 | 35 |

According to the above indicated table, there were ISP surveys conducted in four (4) selected provinces. The surveys were conducted from September to October 2023 by Revenue Officer and Enforcement and Compliance officers with leadership from Mr. Kaido, Manager from Mass Media and Programs Branch and Ms. Lahui, Principal Research Officer. The data summarizes the total number of ISPs and ISP users for the indicated provinces.

1. Who is your ISP?

| No. | ISP Name | Mt. Hagen, WHP | Alotau, MBP | Kimbe, WNBP | Wewak, ESP | Total no. of ISP Users |
|---------------------------------------|-----------------------------------|----------------|---------------|---------------|----------------|------------------------|
| 1 | Telikom Limited | 38 | 37 | 53 | 23 | 151 |
| 2 | Digicel PNG | 42 | 31 | 75 | 47 | 195 |
| 3 | Vodafone PNG | 12 | 11 | 15 | 8 | 46 |
| 4 | PNG DataCo | 2 | 10 | | 4 | 16 |
| 5 | Digitec ICT Ltd. | 1 | | | 2 | 3 |
| 6 | Datec (PNG) Ltd. | | | | 3 | 3 |
| 7 | Global Internet Ltd. | | | | | 0 |
| 8 | Bikpla Net (BNG Trading) | 1 | | | | 1 |
| 9 | APCS | 1 | 1 | | | 2 |
| 10 | MyNet PNG | | | | | 0 |
| 11 | Kacific Broadband Services | | | 1 | 3 | 4 |
| 12 | Excite PNG Limited | | | 1 | 3 | 4 |
| 13 | Speedcast PNG | | | | | 0 |
| 15 | BNG Trading Group | | | 1 | | 1 |
| 16 | PNG Nambawan Trophy Ltd. | | | | | 0 |
| 17 | Genesis Communication | | | | | 0 |
| 18 | Altec Solutions Group | | 2 | | | 2 |
| 19 | H.E.R Limited | | 1 | | | 1 |
| 20 | LinkOnet Ltd. PNG | 1 | | | | 1 |
| 21 | Em Stret Holdings Ltd. | | | | 1 | 1 |
| 22 | Lightspeed PNG | | | | 8 | 8 |
| 23 | Kumulsoft Software Solution | | | | 5 | 5 |
| 24 | VSAT (Mortronix Technologies Ltd) | | | | 2 | 2 |
| 25 | SDA Mission Wifi | | | | 1 | 1 |
| 26 | Not indicated | 2 | | 1 | | 2 |
| | | 8 ISPs | 8 ISPs | 6 ISPs | 13 ISPs | |
| 35 ISPs in WHP, MBP, WNBP, ESP | | | | | | |

According to the table above, there are a total of 8 ISPs identified in Mt.Hagen, Western Highlands Province, 8 ISPs identified in Alotau, Milne Bay Province, 6 ISPs identified in Kimbe, West New Britain Province and 13 ISPs identified in Wewak, East Sepik Province. The total number of ISPs identified in the four (4) selected provinces is 35.

The data indicates that Digicel PNG has the highest number of users (195) in Mt. Hagen, Kimbe and Wewak whilst Telikom PNG has the highest number of users in Alotau.

The accumulated data for the four (4) provinces show that Digicel PNG has the highest number of users (195), whilst Telikom PNG has the second highest (151), followed by Vodafone (46), PNG DataCo (16) and Lightspeed (8).

Question 2: What is the main purpose of your usage?

| Purpose of Internet Usage | WHP | MBP | WNBP | ESP | Total |
|--|------------|------------|-------------|------------|--------------|
| Work email and communication | 67 | 66 | 90 | 77 | 300 |
| Video Conferencing | 5 | 23 | 3 | 15 | 46 |
| Research and Information | 11 | 9 | 8 | 29 | 57 |
| Cloud Services | 6 | 6 | 6 | 9 | 37 |
| Online social networking | 12 | 15 | 24 | 35 | 86 |
| Streaming Media | 8 | 8 | 17 | 14 | 47 |
| Blogging | 1 | - | 3 | 39 | 43 |
| Online Studying | 5 | 6 | 5 | 11 | 27 |
| Reading | 3 | 6 | 6 | 9 | 24 |
| Downloading Data | 5 | 6 | 1 | 16 | 28 |
| Playing online games | 3 | 3 | 6 | 9 | 21 |
| Banking related systems | 1 | | | | 1 |
| Online Tools | 1 | | 2 | 23 | 26 |
| Statistics Information on global gaming trends | | | 1 | | 1 |
| No indication | | 1 | 1 | | 2 |

The above indicated table illustrates the main purpose of internet usage by respondents.

According to the table indicated above, most respondents in Mt. Hagen, Alotau, Kimbe and Wewak access the internet for purposes of work email and communication, hence, accumulated data shows that most ISP users access the internet for email communication at work (300) whilst some access internet for online social networking (86), research and information (57) and streaming media (47) whilst a few access the internet for video conferencing (46), blogging (43), cloud services (37), downloading data (28), online studying (27), online tools (26), Reading (24) and playing online games (21).

Question 3: What type of medium is used to access the internet?

| Communication Medium | WHP | Milne Bay | WNBP | ESP | Total |
|----------------------------|-----|-----------|------|-----|------------|
| Mobile Phone | 45 | 35 | 77 | 67 | 224 |
| USB Dongle | 8 | 4 | 8 | 7 | 27 |
| Wifi | 32 | 37 | 38 | 35 | 142 |
| ADSL | 8 | 12 | 9 | 6 | 35 |
| Fiber Optic | 3 | 9 | 1 | 1 | 14 |
| Coaxial Cable | 3 | 3 | 1 | 2 | 9 |
| Satellite | 4 | 3 | 3 | 1 | 11 |
| P2P (Peer-to-Peer) Network | | | 2 | | 2 |
| No indication | | | 1 | 2 | 3 |

ISP users access the internet through a variety of communication mediums such as the mobile phones, USB dongle, Wifi, ADSL, Fiber optic, Coaxial cable, Satellite, and P2P, amongst others.

The survey data indicates that most ISP users in Mt. Hagen, Alotau, Kimbe and Wewak access internet using their mobile phones.

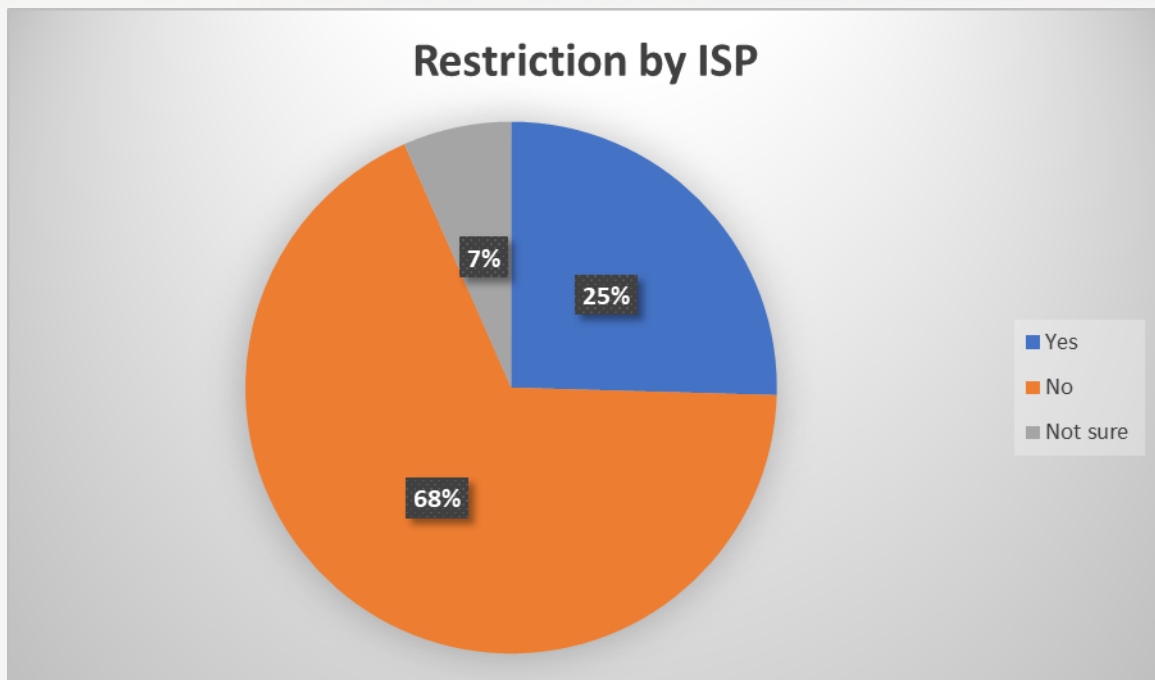
The accumulated data further indicates that most respondents access the internet using their mobile smart phones for work related purposes (300), whilst some respondents connect through Wifi (142) and ADSL modem (35).

This data reflects the significant rise in mobile technology in the work place to help enhance communication and collaboration among employees internally and externally with stakeholders.

As we move further into 2024 and beyond, it's crucial for businesses to adapt to the changing trends in the industry and embrace mobile technology. Thus, businesses can stay ahead of the curve, remain competitive, and better serve their customers. Whether it may be a small business or a large corporation, the data shows that it is time to harness the power of mobile technology to propel work operations forward.

Question 4: Does your ISP restrict your internet usage?

| Answer | WHP | Milne Bay | WNBP | East Sepik | |
|---------------|-----------|-----------|-----------|------------|------------|
| Yes | 19 | 14 | 25 | 27 | 85 |
| No | 48 | 48 | 69 | 62 | 227 |
| Not indicated | 5 | 5 | 4 | 8 | 22 |
| | 72 | 67 | 98 | 97 | |



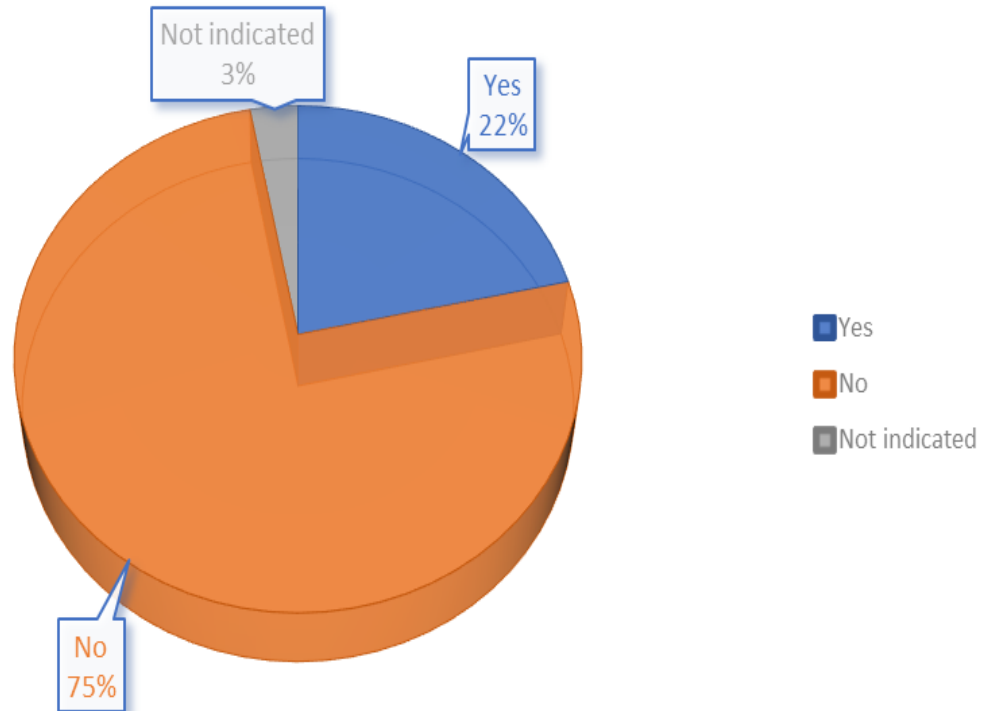
Question was raised as to whether ISPs provide control measures to their respective clients. According to the pie chart, most ISP end-users in all four provinces indicated that their internet service providers (ISPs) do not restrict internet access that may be considered unsuitable, whilst some establish restrictions upon request to their internet service providers.

In terms of restricting employees with internal ICT policy, Internet Protocol (IP) addresses associated to the device is blocked off preventing it from accessing malicious activities from the internet. The results reveal that most organizations, companies and business houses do not have internal ICT policies to set guidelines and rules for the acceptable use of ICT and the internet in their respective establishments.

Question 5: Do you or your organization access content that is restricted or subject to specific regulations in PNG, such as adult content or gambling websites?

| Answer | WHP | Milne Bay | WNBP | East Sepik | |
|---------------|-----------|-----------|-----------|------------|------------|
| Yes | 21 | 19 | 16 | 16 | 72 |
| No | 51 | 48 | 82 | 71 | 252 |
| Not Indicated | | | | 10 | |
| | 72 | 67 | 98 | 97 | |

ACCESS TO RESTRICTED CONTENT IN PNG



This question relates to control measures established from within the organization by internal ICT.

The table above shows that most ISP users do not access internet content that is restricted such as adult content and/or gambling websites at their work place. They have internal ICT policies and regulations that require compulsory compliance.

If yes, briefly describe the content control mechanism or policies in place.

| Content Control Mechanism | WHP | Milne Bay | WNBP | East Sepik |
|------------------------------|-----|-----------|------|------------|
| Google Chrome Firewall | 12 | 15 | 8 | 7 |
| Monitoring | | 5 | | 8 |
| Microtech | | | | 1 |
| Yalasicom | | 1 | | |
| Policy restriction in place | | 4 | | 9 |
| Website Filtering | | 2 | | 7 |
| Firefox | | 3 | | 4 |
| Smart Dub | | | | 1 |
| Microsoft Office Application | | 3 | | 6 |
| Presy | | 1 | | |
| Kaspersky | 6 | 2 | 1 | 9 |
| Fortigate Fortinet Filtering | 13 | | 8 | 8 |
| LAN Proxy Server | 3 | | | 2 |

| | | | | |
|-------------------------------|---|--|---|---|
| Windows Defender Firewall | | | | 1 |
| AVG (Anti-virus Guard) | | | | 2 |
| Symantic end-point protection | | | | 1 |
| 40G | | | | 1 |
| Cloud Services | | | | 1 |
| Office Internal Protection | 1 | | 2 | |

The information in the above table is the second part of Question 5 enquiring as to what content control mechanism is in place for those ISP users who positively responded. There are internal control measures imposed by companies and organizations for their respective employees, hence, table above shows that most respondents for each of the four provinces use Google Chrome Firewall to control internet access to their employees.

Question 6: How effective do employees comply to these internet content control measures?

| Content Control Measure | WHP | Milne Bay | WNBP | East Sepik |
|-------------------------|-----|-----------|------|------------|
| Very Effective | 8 | 36 | 29 | 41 |
| Somewhat Effective | 13 | 13 | 16 | 17 |
| Not Very Effective | 10 | 6 | 11 | 15 |
| Not Effective At All | 9 | 4 | 14 | 7 |
| Not Indicated | 32 | 8 | 18 | 17 |

Following Question 5, the table above shows the effectiveness of the content control mechanism that is identified by the respondents from the four selected provinces. The results show that most internet users in respective organizations, companies and business houses who have internal control measures comply effectively in East Sepik, West New Britain and Milne Bay Provinces whilst somewhat effective in Western Highlands Province. The results further indicate that respective ICT personnel in public and private sectors need to establish effective compliance processes and procedures for content control measures so that employees must be monitored to ensure that they comply.

Some ISP users did not indicate the internal content control measures because the business may be small scale and also lack of understanding on the subject matter.

Question 7: How many people access the internet within your organization?

| No. of internet users | WHP | MBP | WNBP | ESP |
|-----------------------|-----------|-----------|-----------|-----------|
| All employee | 7 | 8 | 2 | 4 |
| Less than 10 | 32 | 40 | 70 | 79 |
| More than 10 | 10 | 9 | 15 | 5 |
| More than 50 | 7 | 3 | 4 | 3 |
| More that 100 | 4 | 1 | 3 | 1 |
| Not Indicated | 12 | 6 | 4 | 5 |
| | 72 | 67 | 98 | 97 |

The table above indicates that number of employees in a organization that accesses the internet. The results show that most orgnizations and companies that participated in the survey range from less than 10 to 50 employees.



5. SUMMARY OF FINDINGS AND DISCUSSIONS

An Internet service provider (ISP) is any company that provides internet access to consumers, business houses and organizations. The internet is provided through a variety of communication mediums, including cable, ADSL, fiber optics, wifi and mobile phones, with most ISPs offering all options. It is the ISPs that make it possible for clients to surf the internet, conduct business, and connect with family and friends.

From the 16 selected provinces where fieldwork was conducted, the data analysis revealed that a total of 792 ISP end-users were interviewed and 43 ISPs identified in the Preliminary ISP Survey 2018, ISP Survey 2022 and ISP Survey 2023 respectively.

According to Preliminary ISP Survey 2018, a total of ten (10) provincial towns were selected to participate from the Nation-wide School Awareness Program, particularly NCD, Kerema in Gulf Province, Alotau in Milne Bay Province, Vanimo in Sandaun Province, Wewak in East Sepik Province, Kimbe in West New Britain Province, Kokopo in East New Britain Province, Manus in Manus Province, Mt. Hagen in Western Highlands Province, and Jiwaka in Jiwaka Province. In this survey, 148 ISP end-users and 5 ISPs were identified.

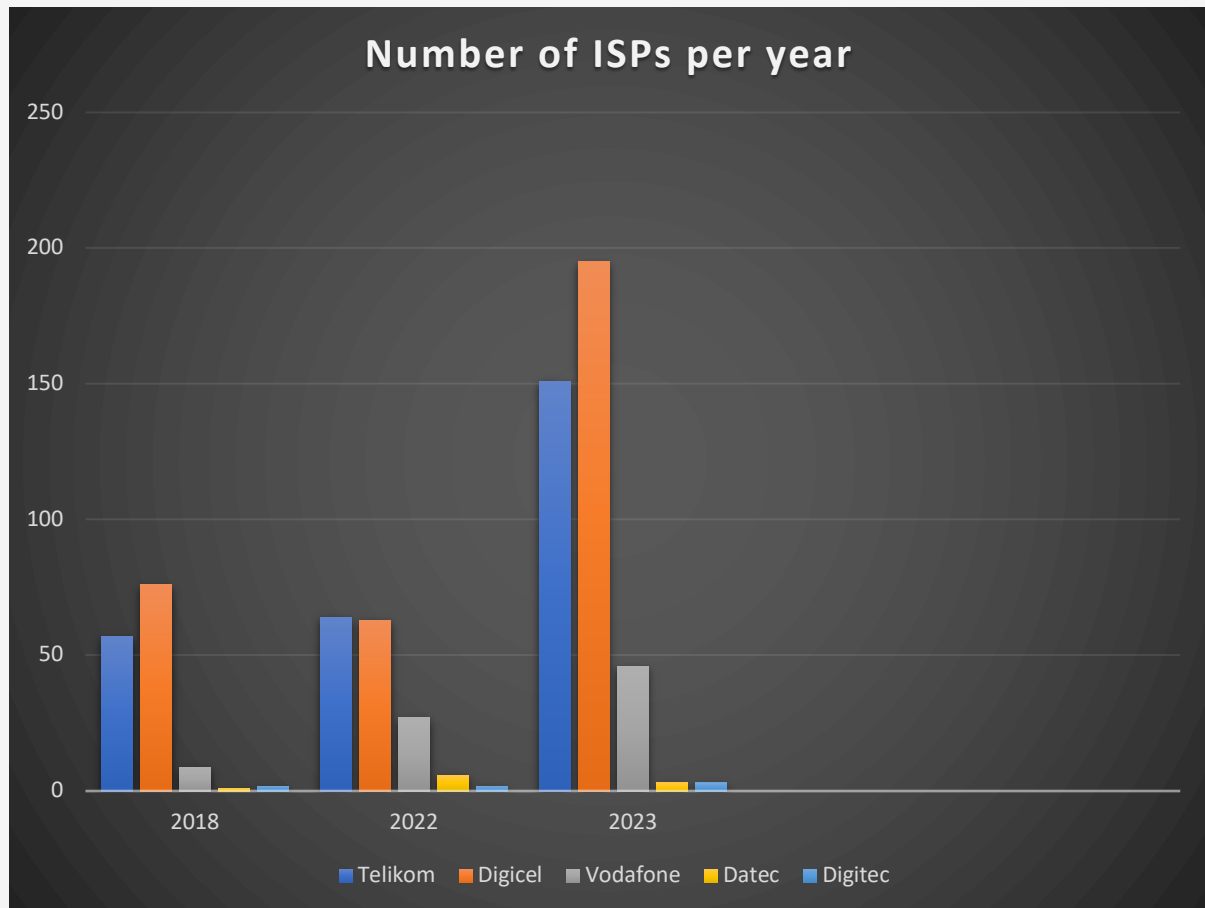
In 2022 operational year, ISP surveys were conducted in two (2) provinces; Lae in Morobe Province and Kokopo in East New Britain Province through which 197 ISP end-users and 15 ISPs were identified.

In 2023, ISP surveys were conducted in four (4) provinces, particularly in Mt. Hagen, Western Highlands Province, Alotau in Milne Bay Province, Kimbe in West New Britain Province and Wewak in East Sepik Province. The survey recorded 447 ISP end-users and 23 ISPs.

1. Number of ISPs and ISP Users

| No | ISP Survey 2018 | | ISP Survey 2022 | | ISP Survey 2023 | |
|----|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| | ISP Name | No. of ISP Users | ISP Name | No. of ISP Users | ISP Name | No. of ISP Users |
| 1 | Telikom | 57 | Telikom | 64 | Telikom | 151 |
| 2 | Digicel | 76 | Digicel | 63 | Digicel | 195 |
| 3 | Vodafone | 9 | Vodafone | 27 | Vodafone | 46 |
| 4 | Datec | 1 | PNG DataCo | 11 | PNG Dataco | 16 |
| 5 | Digitec | 2 | APCS | 4 | Digitec | 3 |
| 6 | | | Datec | 6 | Datec | 3 |
| 7 | | | Daltron | 4 | Bikpla Net | 1 |
| 8 | | | MyNet | 4 | APTC | 2 |
| 9 | | | Excite PNG | 3 | Kacific Ltd. | 4 |
| 10 | | | Global Internet | 3 | Excite PNG | 4 |
| 11 | | | Digitec PNG | 2 | BNG Trading | 1 |
| 12 | | | SpeedCast PNG | 2 | Altect | 2 |
| 13 | | | Light Speed | 2 | HER | 1 |

| | | | | | | |
|----|---------------|------------------|----------------|------------------|----------------|------------------|
| 14 | | | Kacific | 1 | LinkConect | 1 |
| 15 | | | Genesis | 1 | Em Stret PNG | 1 |
| 16 | | | | | Light Speed | 8 |
| 17 | | | | | Kumul Soft | 5 |
| 18 | | | | | ISAT | 2 |
| 19 | | | | | SDA Mission | 1 |
| | 5 ISPs | 148 users | 15 ISPs | 197 users | 23 ISPs | 447 users |



According to the results presented above, the number of internet service providers (ISPs) increased from Preliminary ISP Survey 2018, ISP survey 2022 and 2023 in spite of the number of provinces selected.

The options of connectivity increased and speeds moved away from slower dial-up connections. From 5 ISPs identified in 2018, 15 ISPs in 2022 and 23 ISPs in 2023 basically shows that ISPs have developed more advanced technology, allowing users high-speed access via broadband technology through different communication mediums.

2. Purpose of Internet Access

| Purpose of Internet Usage | ISP Survey 2018 | ISP Survey 2022 | ISP Survey 2023 |
|--|-----------------|-----------------|-----------------|
| Work Email and Communication | 101 | 106 | 300 |
| Video Conferencing | | 34 | 46 |
| Research and Information | | 83 | 57 |
| Cloud Services | | 20 | 37 |
| Online Social Networking (Social Media) | 40 | 59 | 86 |
| Streaming Media | | 35 | 47 |
| Blogging | | 12 | 43 |
| Online Studying | 23 | 29 | 27 |
| Reading | | 36 | 24 |
| Downloading Data | | 61 | 28 |
| Playing Online Games | | 35 | 21 |
| Banking related systems | 25 | | 1 |
| Online Tools/Online Shopping | | 12 | 26 |
| Statistics Information on Global Gaming Trends | | | 1 |
| Internet Television (TV) | 17 | | |
| Satellite Location | | 3 | |
| Commentary and Recording | | 6 | |
| Search Online | 54 | | |
| No indication | | | |

The internet provides so many different opportunities, particularly for providing information services to improve way of life. The sharply increasing trend regarding internet use for purposes of work email and communication has been observed by employees in the corporate companies, business houses and organizations in the private and public sector.

The Internet provides an almost endless list of services: it allows us to communicate and collaborate worldwide, send money internationally (including remittances), learn and educate others, form cross-border social connections, share news, and many others.

In 2018, out of the 148 internet end-users from the 5 ISPs identified, 101 ISP end-users indicated that they access the internet for purposes of Work Email and Communication, whilst in 2022, out of 197 internet end-users from the 15 ISPs identified, 106 ISP end-users indicated that they access the internet for Work Email and Communication and in 2023, out of the 447 internet end-users from 23 ISP identified, 300 ISP end-users indicated that they access the internet for Work Email and Communication.

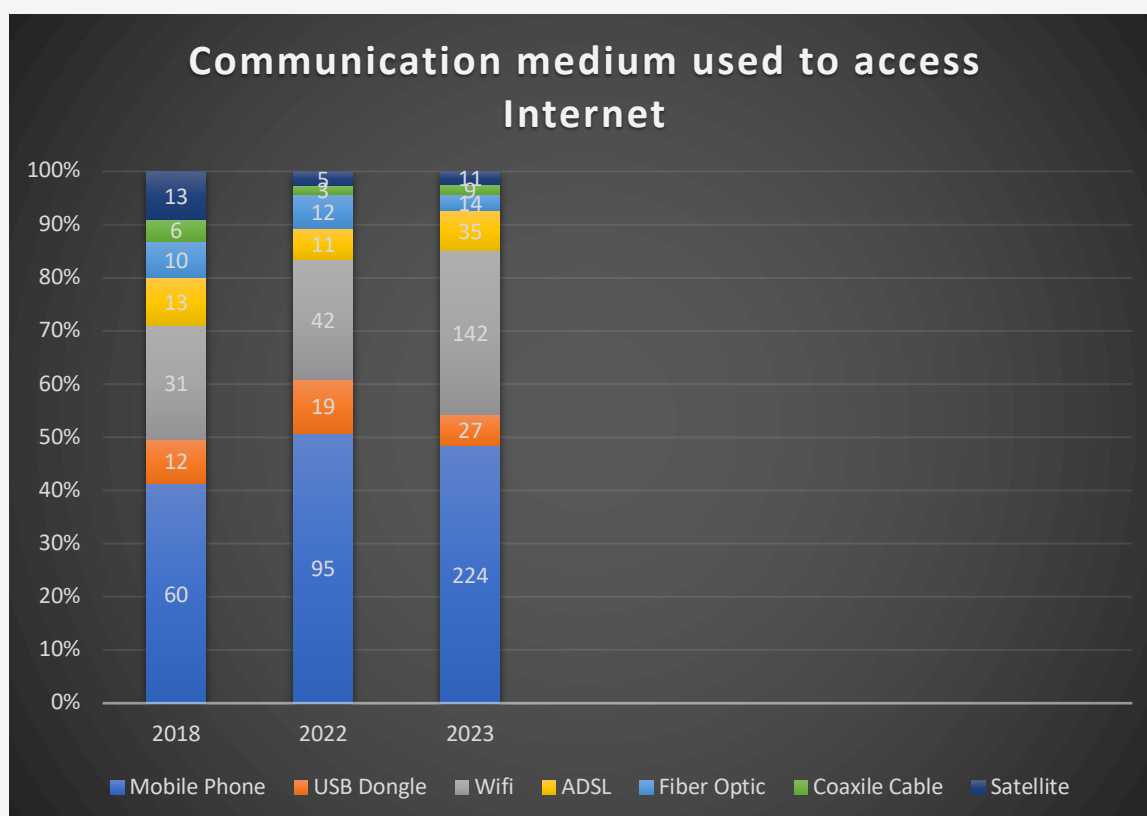
The results also shows that there is a steady increase in the use of online social networking such as social media platforms by employees (ISP users). In 2018, out of the 148 internet end-users from the 5 ISPs identified, 40 end-users indicated that they access the internet for Online Social Networking, whilst in 2022, out of the 197 internet end-users from 15 ISPs identified, 59 ISP end-users indicated that they access the internet for Online Social Networkign and in

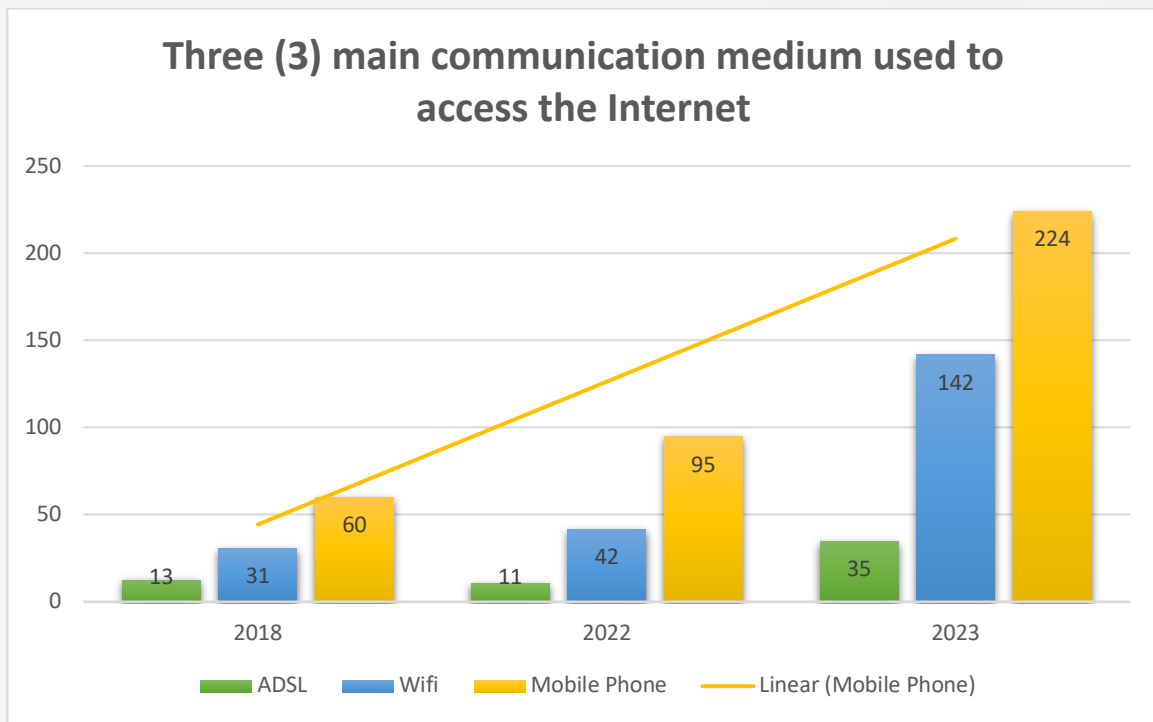
2023, out of the 447 internet end-users from 23 ISPs identified, 86 ISP end-users indicated that they access the internet for Online Social Networking.

The data reveals that there have been significant increases in the number of people who have access to the internet from 2018 to 2023, having a profound impact on business operations and people's daily lives.

3. Communication medium used to access internet

| Communication Medium | ISP Survey 2018 | ISP Survey 2022 | ISP Survey 2023 |
|----------------------|-----------------|-----------------|-----------------|
| Mobile Phone | 60 | 95 | 224 |
| USB Dongle | 12 | 19 | 27 |
| Wifi | 31 | 42 | 142 |
| ADSL | 13 | 11 | 35 |
| Fiber Optic | 10 | 12 | 14 |
| Coaxile Cable | 6 | 3 | 9 |
| Satellite | 13 | 5 | 11 |
| P2P | | | 2 |
| Digicel LAN Router | | 5 | |
| Working Desktop | | 8 | |
| Satellite Tablet | | 1 | |
| LAN Server | | 7 | |
| | 145 | 208 | 464 |





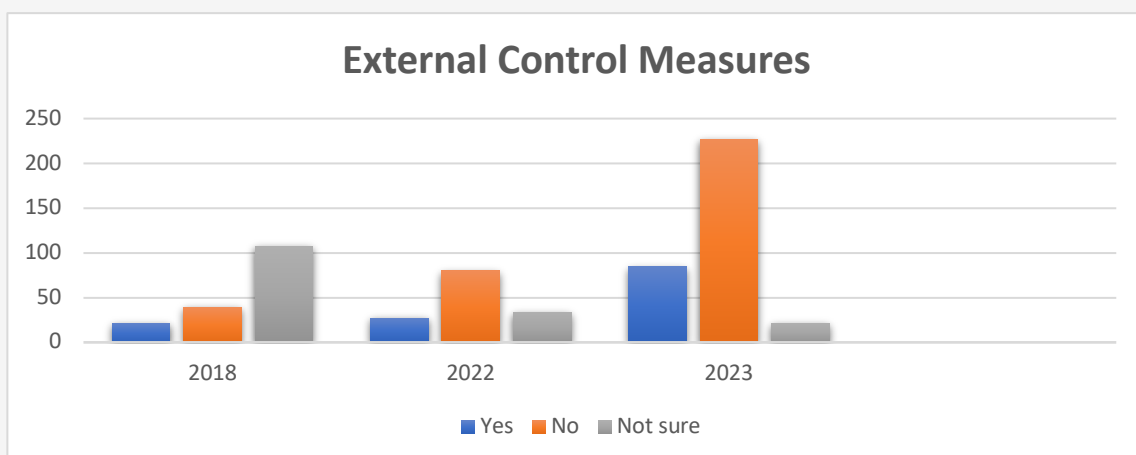
Internet is a two-way medium that depends on the communication of signals through mediums which are relayed through network servers, modems, routers and computer processors.

From the results indicated above, mobile phone technology indicates a sharp increase, followed by Wifi and ADSL (Asymmetric Digital Subscriber Line) through the three national ISP surveys.

When we talk about technology, we imagine a picture of smartphones in our minds. As technology is rapidly changing and advancing each day, hence, mobile phones are closely related to our daily work and business activities.

External Control Measures

| | ISP Survey 2018 | ISP Survey 2022 | ISP Survey 2023 |
|----------|-----------------|-----------------|-----------------|
| Yes | 22 | 28 | 85 |
| No | 40 | 80 | 227 |
| Not sure | 108 | 34 | 22 |

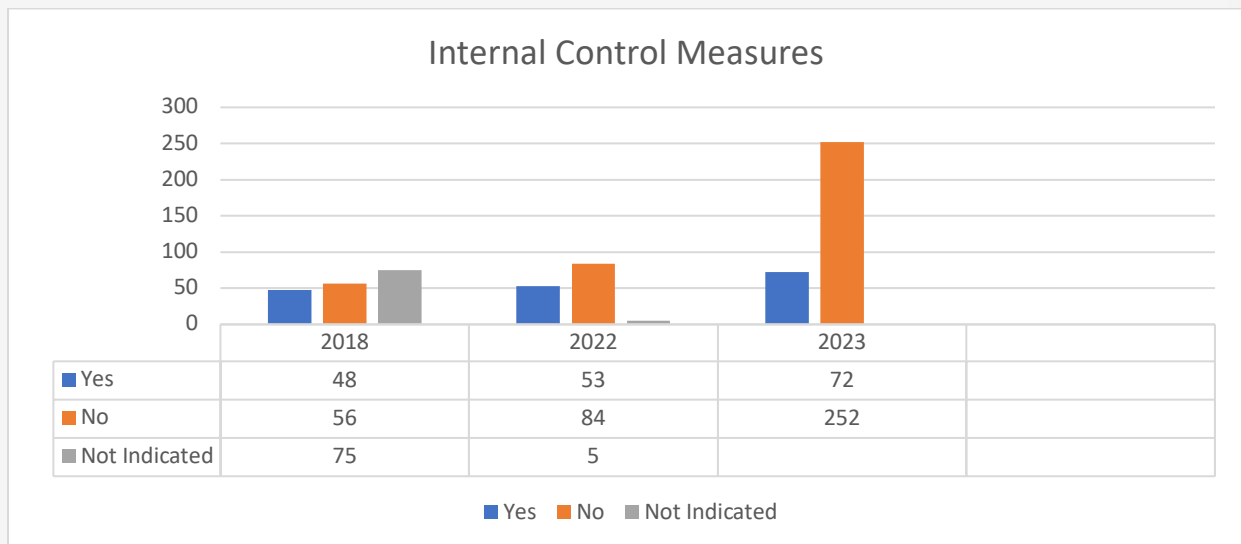


ISPs are significant because they are the entry point on the internet, and their vital positioning can make a difference in overall security. The ISP networks is a combination of technologies and infrastructures that can only be navigated by the ISP administrator ensuring not only smoother operations but, more importantly, the satisfaction of their customers.

According to the graph, ISP administrators commit to providing a reliable and efficient internet experience for its end-users to the global digital realm. They keep their options open whether ISPs subscribe with filters and upstream security controls like IP blacklists.

The graph reveals that ISPs do not impose policies and networks that prevent end-users from accessing certain websites. However, the decision to filter is requested by the client (end-user) only.

4. Internal Control Measures



The internet has become a basic requirement in the management of organizations today. According to the results, most ISP end-users do not impose content control mechanisms internally for their individual employees, however, organizations, companies and business houses establish their own internal ICT filtering policies within their scope of work without generating discomfort in the organization. In this scenario, most organizations and companies do not control their employees internet usage whilst some of them ensure that there is control measures and balance between employees' social needs and organizational needs. However, unsuitable internet content can be a potential threat to the achievement of organizational goals.

5. Content Control Measures: Filtering Softwares

The table below shows some filtering softwares that were obtained from the three national ISP field surveys.

| | | | | | |
|----|---|----|--|----|--------------------------------------|
| 1 | SOPHOS Content filtering System | 11 | Smart DuB | 22 | Wesptte filtering |
| 2 | Artica Proxy software system | 12 | Fortinet/Fortigate Firewall | 23 | Microsoft Internet Explorer- Firefox |
| 3 | Mime Cast Corporate system | 13 | Sophos XG Firewall | 24 | Presy Software |
| 4 | Vodafone Proxy filtering system | 14 | McApple Anti-virus | 25 | Force Point Restrictions system |
| 5 | Cybersecurity and Net Promoter Score (NPS)/ Internet Protocol (IP) System | 15 | WinBox Firewall | 26 | 40G |
| 6 | Firewall and Cenlen filtering | 16 | Microsoft Office firewall applications | 27 | Microtech Solutions |
| 7 | Next Gen Firewall (NGFW) | 17 | Telikom router and internal firewall-proxy | 28 | 360 Total Security |
| 8 | KV Protection | 18 | Google Chrome | 29 | Microsoft Windows Defender Firewall |
| 9 | Ecyber-gate Proxy Server | 19 | Yalasicom content filtering system | 30 | Cloud services |
| 10 | UTM Services | 20 | Caspar | 31 | Symantic End-point Protection |
| | | 21 | Proxy Server Firewall | 32 | AVG antivirus |

The results indicate that most internet service providers such as Telikom, Digicel, Digitec and Vodafone amongst others do not provide control mechanisms to individuals and corporate clients, however, filtering softwares and applications are specifically installed only upon request by the client.

Most respondents further indicated that they do not have internal control measures within their establishments whilst some do. Some respondents pointed out that internet access is restricted to their management team only whilst others indicated that their employees are restricted to accessing email correspondences only and other sites blocked off.

Some respondents revealed that their internal ICT policies and regulations are developed to ensure strict compliance by employees.

The survey was able to reveal some filtering softwares with inbuilt restricted functionalities for prohibited sites used internally by ISP users.

Some respondents provided some important information acquired from the field survey indicated that the proxy server is administered by an IT Administrator, Firewall is managed from internal ICT officers, access to internet is monitored on a daily basis and password protected.

The survey also revealed that Department for Information and Communication Technology (DICT) carried out a program in assisting selected provinces to install their information management system with digital transformation standards, website standards, email standards, cloud standards and cybersecurity standards. Some survey respondents indicated that PNG DataCo Limited administers the Tiare Gateway and is also an internet service provider.



6. CONCLUSIONS AND RECOMMENDATIONS

The internet is a massive platform that provides an accessible medium for everyone to contribute to society and keep pace with our fast-paced lives, however, it can be a risky place too. In today's digital environment where information exchange and connectivity is paramount, cybersecurity threats and malicious operations is so rife that it poses a threat to PNG's national security. Thus, internet service providers have a responsibility to employ filtering softwares to safeguard its users.

The analysis of the field data and the outcome of one preliminary survey and two national surveys have given detailed insights into the status of ISP content control measures. Therefore, it is imperative that the Office of Censorship effectively address the need to develop a policy to filter the internet content from inappropriate and unsuitable content, hence, the following recommendations;

1. Office of Censorship through Research and ICT Section continue to conduct ISP surveys nation-wide to build the database registry for ISPs in the country;
2. Office of Censorship develop a Classification Guideline for all ISPs in the country;
3. Office of Censorship develop a policy on Online Content Filtering to filter illicit materials from different forms of mass media;
4. Office of Censorship collaborate effectively with NICTA;
 - 4.1 to implement NEC Decision No 265/2023 to initiate the enforcement of filtering unsuitable internet content within PNG;
 - 4.2 to review the Licensing Condition that aligns to the Office of Censorship Standards;
 - 4.3 to conduct more surveys on control measures and to fully understand the technical aspect of online content filtering;
 - 4.4 to develop a Memorandum of Understanding (MoU) between Office of Censorship and NICTA to implement activities indicated above (4.1 – 4.3);
5. Office of Censorship to work closely with PNG DataCo Ltd. to implement the Memorandum of Agreement (MoA) signed on 03rd March 2023 to provide technical and procedural capabilities to deal with cybercrime issues and particularly the prevention of indecent and harmful information and materials via the internet;
6. Office of Censorship improve revenue collection by strategizing and implementing the Public Finance Management Act Determination of Statutory Fees and Charges for Office of Censorship that was determined in a National Gazette on 4th June 2020, particularly Schedule 2 & 3 Internet Service Providers Certificate K10,000.00 per annum, Internet Gateway Certificate K50,000.00 per annum and Internet Café K1,000.00 per annum.

Through the three ISP surveys, Office of Censorship identifies the need for internet service providers to restrict access to certain network ports which are used for communication between devices and servers used by ISP end-users.

Furthermore, PNG DataCo Limited have recently unveiled a pioneering hyperscale cloud infrastructure in collaboration with Oracle through which the platform is designed to empower government and enterprise with robust, scalable, and secure cloud solutions.

As we know, the internet enters PNG in Port Moresby through the Tiare Gateway administered by PNG DataCo Limited. PNG DataCo Limited have recently unveiled a major upgrade to the submarine cable system enhancing the transmission capabilities ensuring seamless connectivity amidst the growing demand.

Considering these new developments in the digital environment, Office of Censorship must also consider content filtering for satellite communication and observe how it can protect PNG from inappropriate content and cyber risk through working holistically with PNG DataCo Limited through which we already have an existing Memorandum of Agreement (MoA), NICTA and DICT.

All the recommendations indicated above will safeguard PNG's cyberspace from harmful and illegal information content entering the country.



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1. *Cybercrime Code Act 2016*. ‘Mandated Legal Cyber-crime Code’. Sections and sub-sections extracted.
2. *National Executive Council Decision, 265/2023*. (2023). ‘Source Directive and mandate for the Office of Censorship as the Internet Content Filtering National Policy, lead development Agency’.
3. *National Censorship Policy II, 2021- 2025*. ‘Chpt 3, Policy Focus Areas and Strategies-Internet Content Filtering’, p.26.
4. *Papua New Guinea Digital Transformation Policy 2020*. ‘Reference on Regulation Responsibilities and Government Agency Jurisdictions and Regulatory Functions’.
5. Papua New Guinea Medium Term Development Plan IV. ‘Strategic Priority Areas (6), Deliberate Intervention Program (DIP) 6.3 (8) and SPA (8), DIP 8.5’, p.6 – p.12.
6. *Papua New Guinea National Information Communications Technology (NICTA) Act 2009*. ‘Section 219 & Section 229 (3)’
7. Strategic Policy & Coordination, Mass Media Programs, Research Section, Research Surveys. (2018-2023). ‘Research Surveys 2018, 2022 & 2023: Internet Service Providers Research Survey Reports’. *refer to appendixes
8. Office of Censorship *Classification of Publications (Censorship) Act 1989* (Mandated Version). ‘b1) For the Regulation of Online Content’, p.3.

APPENDICES

Appendix I Preliminary ISP Survey Report 2018

Appendix 2 ISP Survey Summary 2022

Appendix 3 ISP Survey Summary 2023



OFFICE OF CENSORSHIP

PRELIMINARY ISP REPORT 2018



Survey Report on Control Measures

Provided by ISPs & End Users



2018

Prepared by:
Cyril Kruak & Constantine Masta

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1. Introduction

This report is based on the outcomes and findings collected from a nation-wide survey on control measures provided by ISPs and end-users. The survey was conducted in ten (10) selected provinces of Gulf, East and West Sepik, East and West New Britain, Western Highlands, Jiwaka, Milne Bay, Manus and the National Capital District. Eastern Highlands and Oro were not covered due to time constraints.

The entire report composition comprises of questionnaires, major findings, discussions, recommendations and conclusion. There were eight (8) questions developed and responses provided. The survey questions were basically asked to identify the number of ISP operators, quality of the service provided, whether any control measures in place, the type of medium accessed and its reasons and the estimated number of service users.

The survey specifically targeted the ISP operators and its end users to see whether they (providers) have any control measures in place to safeguard the country's citizen from all sorts of foreign influxes coming into the country through the communication medium including Internet.

This survey is important and timely at this point in time for PNG. With increased number of Internet Service Providers and emerging issues, it paved the way for conducting this survey to support the major research on Media and Sexual Content and the overall concept for development of an Internet Content Filtering System for the country which the Office of Censorship is embarking on.

2. Hypothesis

Many questions can be raised concerning the increased number of ISP operators in the country, however, concerns are raised to the internet space that is open without restrictions to anyone in the public irrespective of age and gender, also accessing the inappropriate content apart from the appropriate content, hence, further raises issues on content control measures.

The common question that has been raised to prove this hypothesis is; *Are there any control measures provided by your ISPs?*

3. Aim of the Survey

The aim of this survey is to record the number of ISPs and to see whether they have a 'control measure' in place to safeguard its end users/clients from accessing, downloading and sharing of inappropriate content coming through the communication devices.

The end result of this survey will be used to support the major *Pilot Research on Mass Media and Sexual Content* which the research team from the Office of Censorship is undertaking in regards to the national policy development of the Internet Content Filtering System for the country.

4.0 Target Audience

The target group for conducting this survey was targeted at all the ISPs and its end-users in the country. Some of these groups are business houses, NGOs, government administrations, schools and private individuals, etc.

5. Research Method

Both qualitative and quantitative research methods were used to collect the data. Open-ended questions were developed and distributed to target audience and was collected with their feedback. In some instances, face-to-face interviews were conducted with the interviewees and data was collected. The outcome was qualitative data which was presented descriptively and used as a narrative when reporting.

6. Participating Provinces

The ten (10) provinces that participated are Gulf, East and West Sepik, East and West New Britain, Western Highlands, Jiwaka , Milne Bay, Manus and NCD.

7. Analysis of the Findings

From a total of 10 provinces visited, there were some data inconsistencies. About 95% of the data was collected and 5% did not responses due to reasons such as time factor and others.

7.1 Results

During the survey, questionnaires were distributed to participants and data information was collected from the 4 regions. Reported below is the only result for the Southern Region and for the other 3 regions.

There is a total of eight (8) questions for this survey as follows;

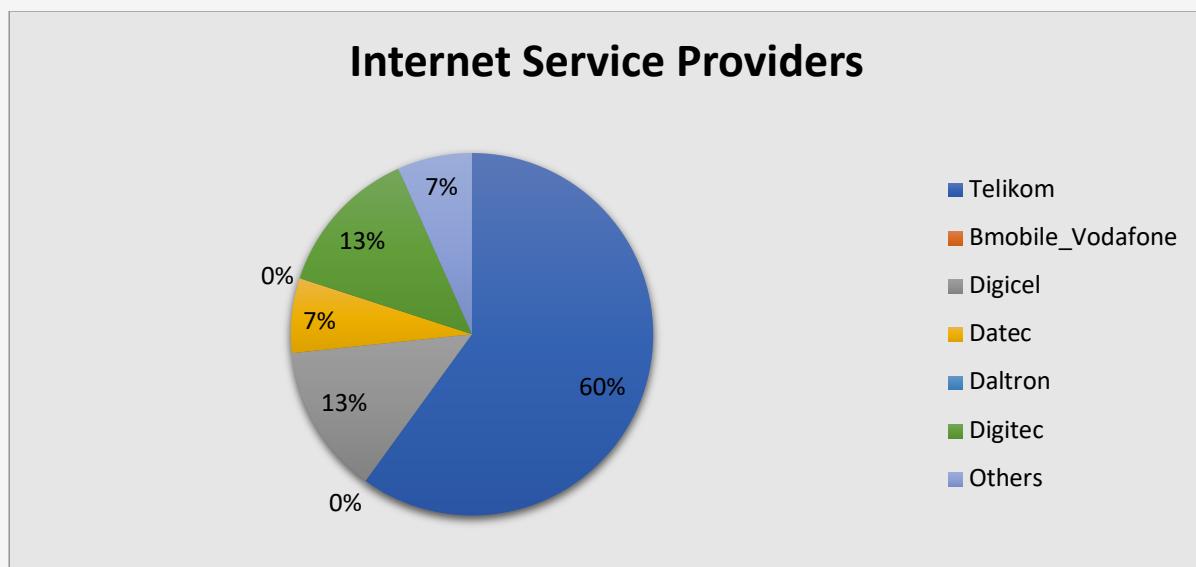
QUESTION 1: WHO IS YOUR INTERNET SERVICE PROVIDER?

SOUTHERN REGION

1. NCD
2. Milne Bay
3. Gulf (insufficient data information gathered)

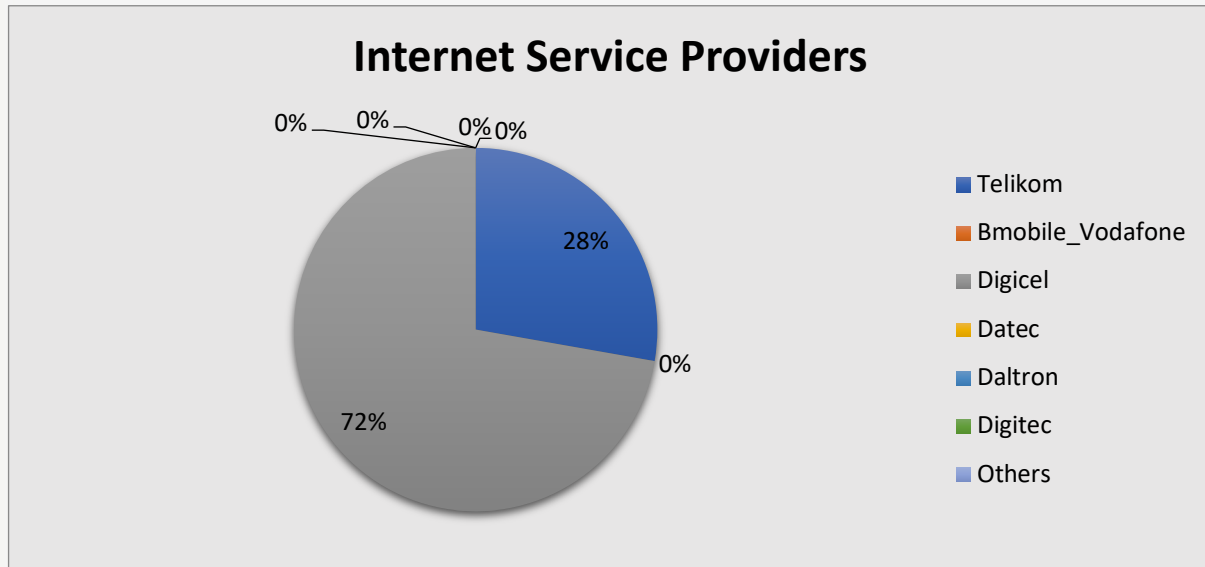
NCD

- Telikom is the leading ISP in NCD with 60% users
- Other participants fall under the remaining 40% as shown in *pie graph*.



Milne Bay

- Digicel (PNG) Limited is the leading ISP in Milne Bay with 72% users while Telikom is the secondary ISP with 28% users.



Regional Comparison

- Major urban centres contain more ISP service providers operating either registered/not registered compared to small/rural centres in PNG.
- Small/rural centres are likely to have illegal ISP operators due to isolation from government authority

QUESTION 1 (SHORT ANSWER): QUESTION ON OTHER IDENTIFIED INTERNET SERVICE PROVIDERS

NCD/MILNE BAY

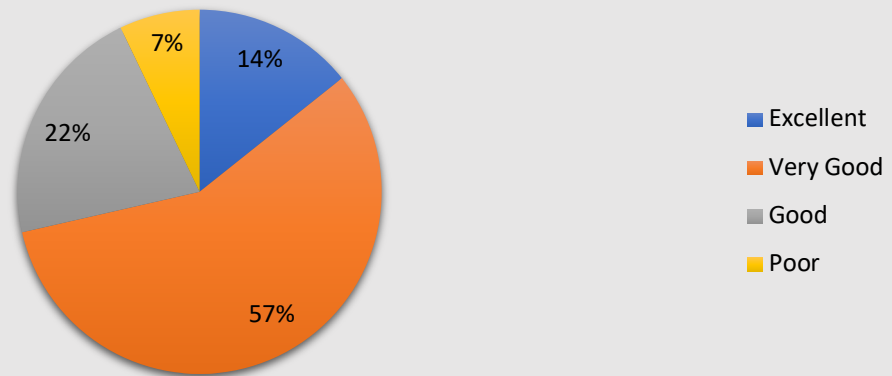
- In both the NCD/MBP, 7% of the participants answered and identified other internet service providers and did not mention the name of the operator,
- 93% of the participants in both centres did not provide any answer.

QUESTION 2: HOW EFFECTIVE IS THE QUALITY OF THE SERVICE PROVIDED BY YOUR ISP

NCD

- 57% of the participants in NCD answered *very good* for the quality of the service provided by Digicel while 21% answered *good*, 14% answered *excellent* and 8% answered *Poor*.

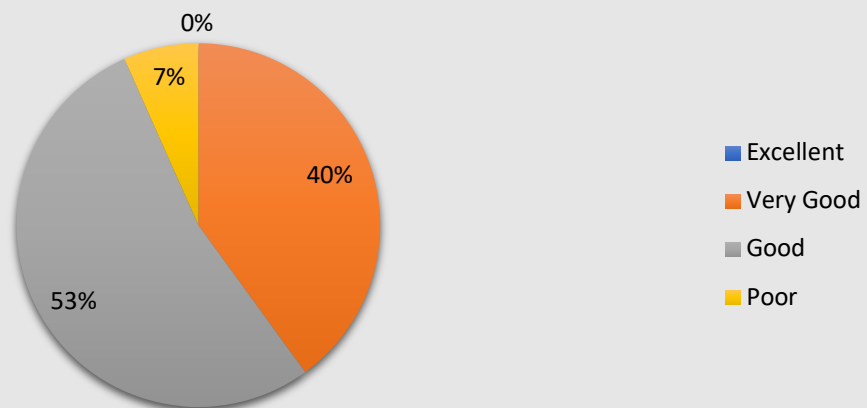
Quality of Service Provided by ISPs



Milne Bay

- 53% of the participants in Milne Bay answered *good* for the quality of the service provided,
- 40% of the participant in Milne Bay answered *very good* for the quality of the service provided,
- 7% of the participant answered *poor*
- Nil answered excellent for the quality of the service provided.

Quality of Service Provided by ISPs



QUESTION 2 (SHORT ANSWER): IF YOUR ANSWER IS POOR, PLEASE SPECIFY;

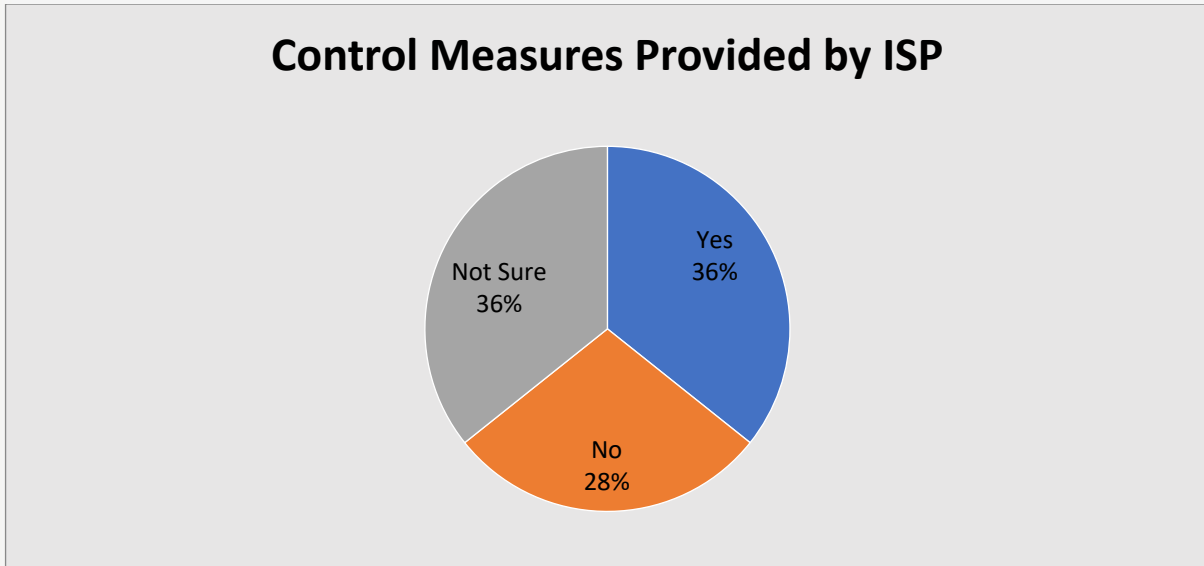
NCD/Milne Bay

- 7% of the participants in both NCD/Milne Bay answered *poor*,
- 93% of the participants in NCD/Milne Bay provided nil answers in both centres.

QUESTION 3: ARE THERE ANY CONTROL MEASURE PROVIDED BY YOUR ISP?

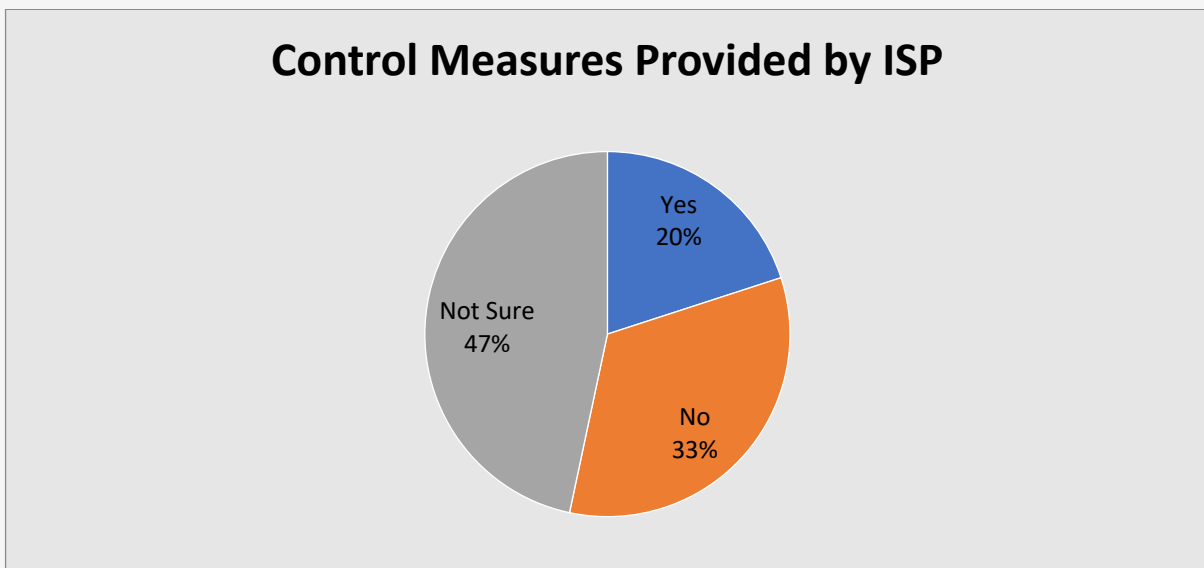
NCD

- 35.7% of the participants in NCD answered *Yes* with control measure in place,
- 28.6% of the participant in NCD answered *No*,
- While the other 35.7% of the participant answered *Not Sure*.



MILNE BAY

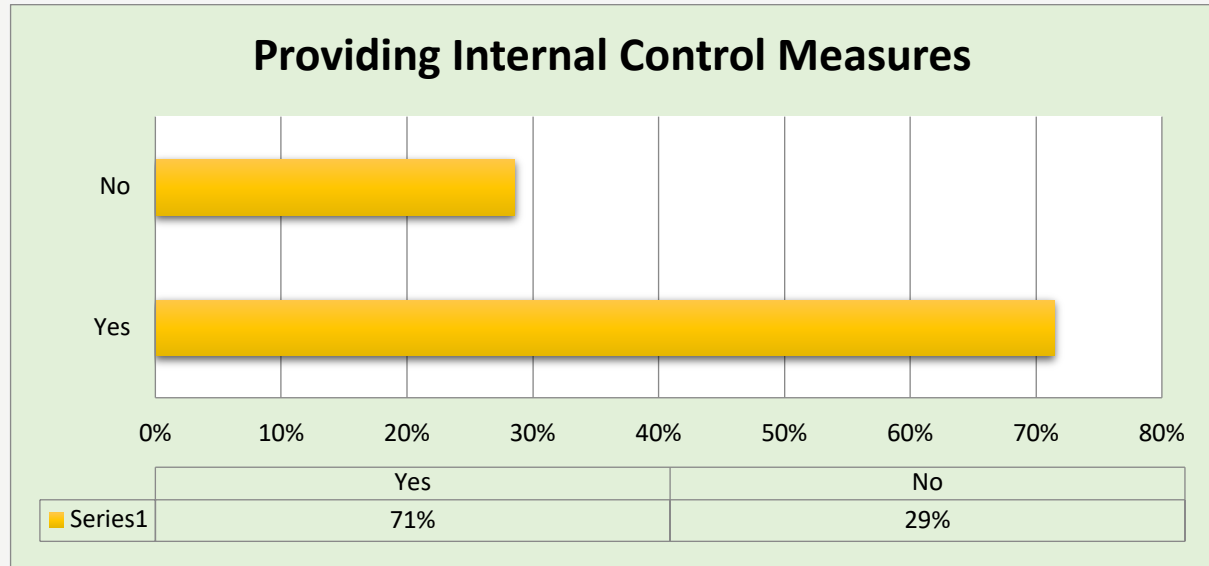
- 20% of the participants in Milne Bay answered *Yes* with control measure in place,
- 33% of the participant in Milne Bay answered *No*,
- While the other 47% of the participant answered *Not Sure*.



QUESTION 4: DO YOU HAVE YOUR OWN SET OF CONTROL MEASURES?

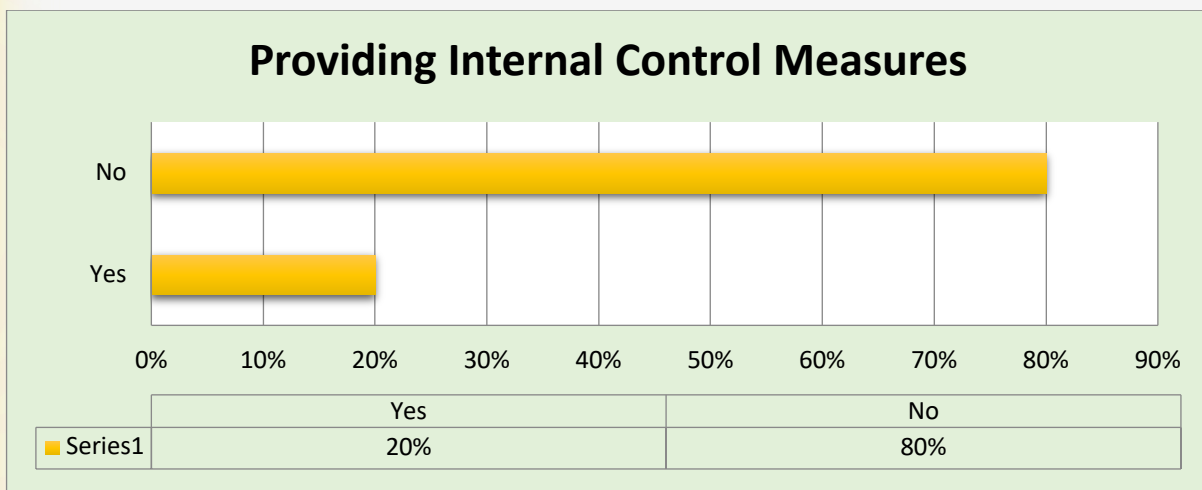
NCD

- 71% of the participants in NCD answered *Yes*,
- 29% of the participant in NCD answered *No*.



MILNE BAY

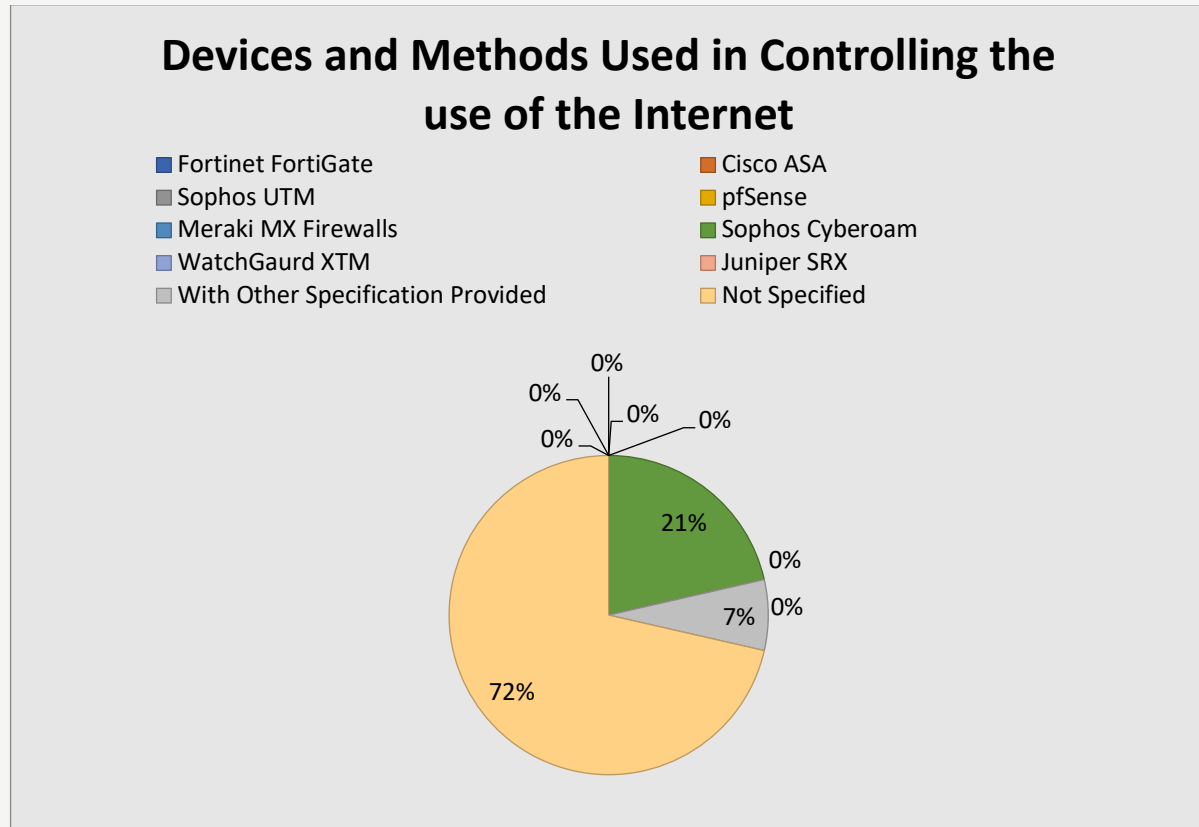
- 20% of the participants in Milne Bay answered *Yes*,
- 80% of the participant in Milne Bay answered *No*.



QUESTION 4 (SHORT ANSWER): IF YOUR ANSWER IS YES, PLEASE SPECIFY;

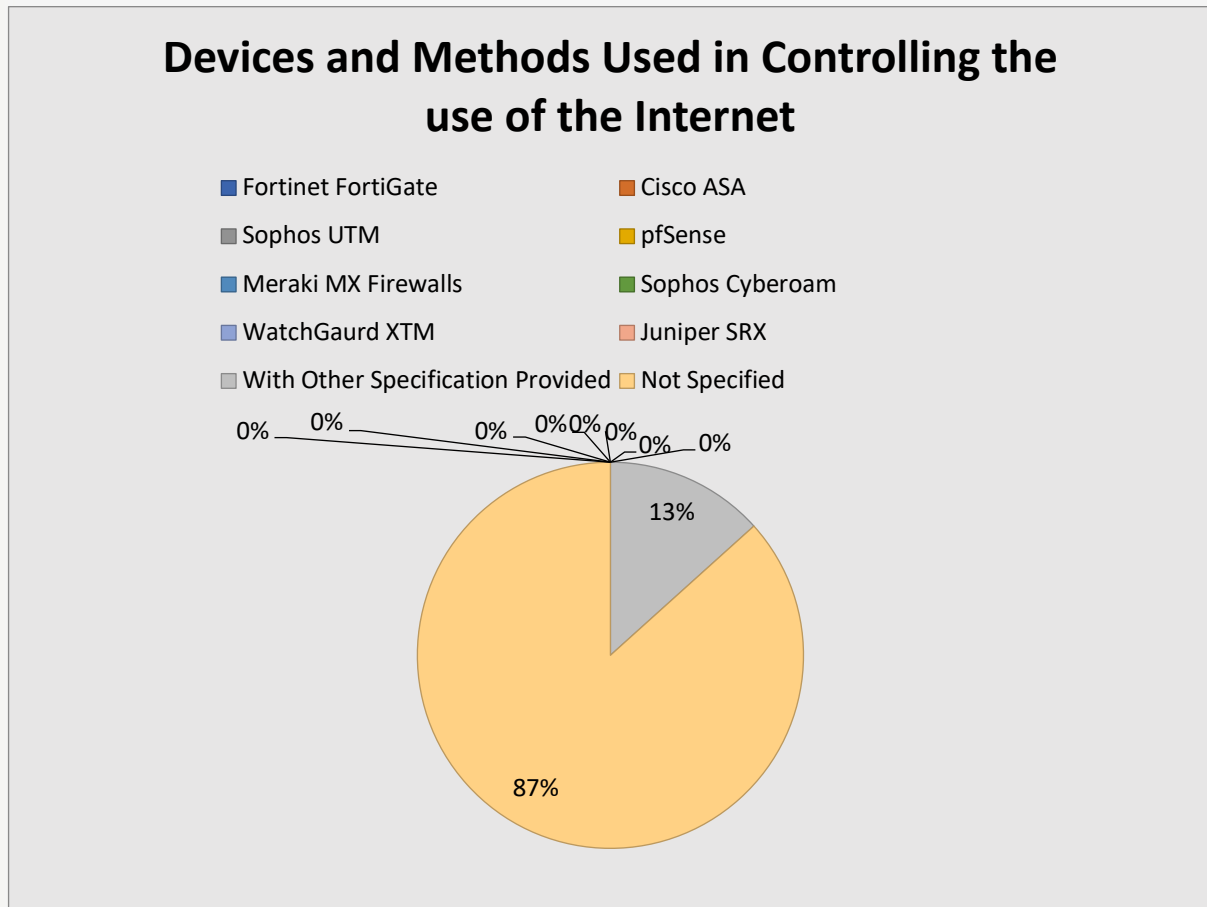
NCD

- 21% of the participants in NCD provided their answer as *SOPHOS Cyberoam*
- 7% of the participant in NCD provided other specification,
- While 72% participant in NCD did not specify.



MILNE BAY

- 13% of the participants in Milne Bay provided other specification,
- 87% of the participant in Milne Bay did not specify.



QUESTION 4: SHORT ANSWER2: PROVIDE SHORT ANSWERS FOR OTHER FIREWALL DEVICES AND OR METHODS

NCD

- 93% of the participants in NCD provided Nil as their Answer for other firewall devices and or methods used,
- 7% of the participant in NCD provided other firewall devices and or methods used.

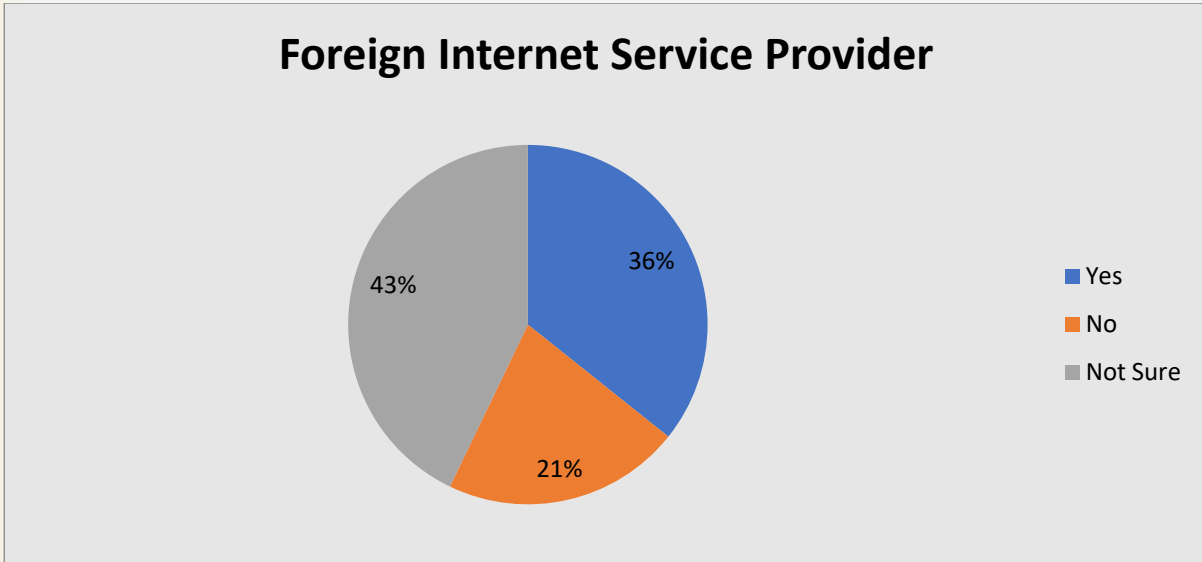
MILNE BAY

- 87% of the participants in Milne Bay provided *Nil* as their answer for other firewall devices and or methods used,
- 13% of the participant in Milne Bay provided *other firewall devices and or methods used*.

QUESTION 5: DO YOU KNOW OF ANY FOREIGN COMPANY (ISP) PROVIDING INTERNET SERVICES IN YOUR PROVINCE?

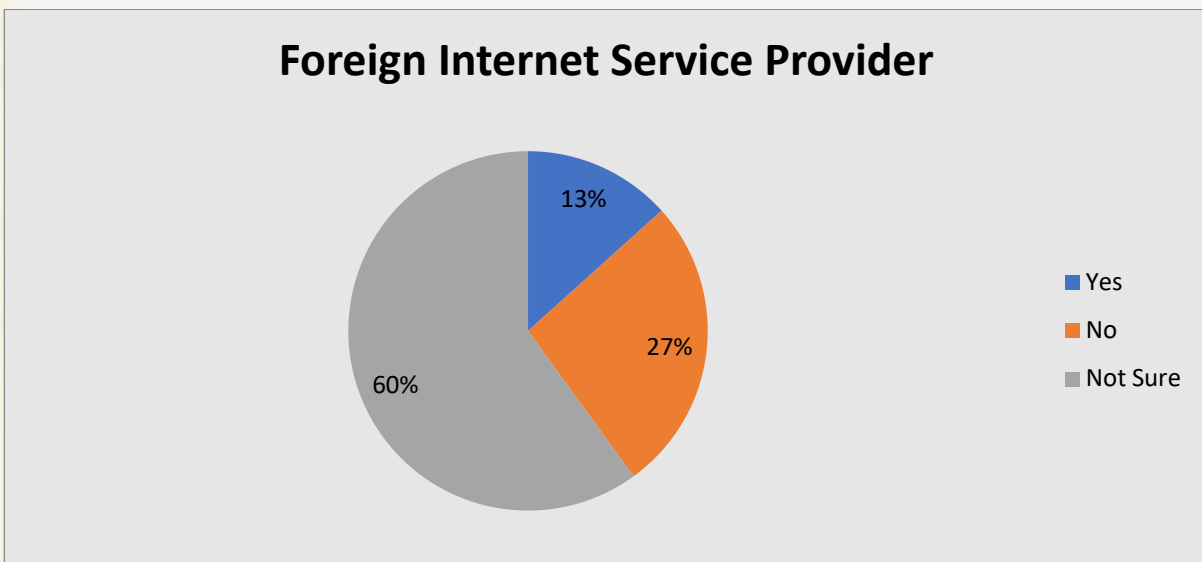
NCD

- 36% of the participants in NCD answered *Yes*,
- 21% of the participant in NCD answered *No*,
- While 43% of the participants in NCD answered *Not Sure*.



MILNE BAY

- 13% of the participants in Milne Bay answered *Yes*,
- 27% of the participant in Milne Bay answered *No*,
- While 60% of the participants in Milne Bay answered *Not Sure*.



QUESTION 5: SHORT ANSWER: IF YOUR ANSWER IS YES, PLEASE SPECIFY;

NCD

- 64% of the participants in NCD answered *Nil*,
- 36% of the participants in NCD *Identified the Foreign ISPs*.

MILNE BAY

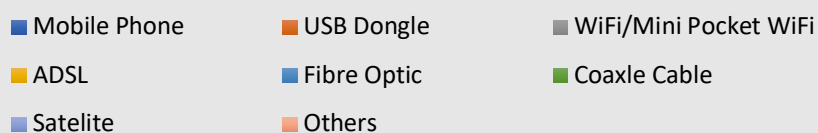
- 87% of the participants in Milne Bay answered *Nil*,
- 13% of the participants in Milne Bay *Identified the Foreign ISPs*.

QUESTION 6: WHAT TYPE OF MEDIUM DO YOU USE TO ACCESS INTERNET?

NCD

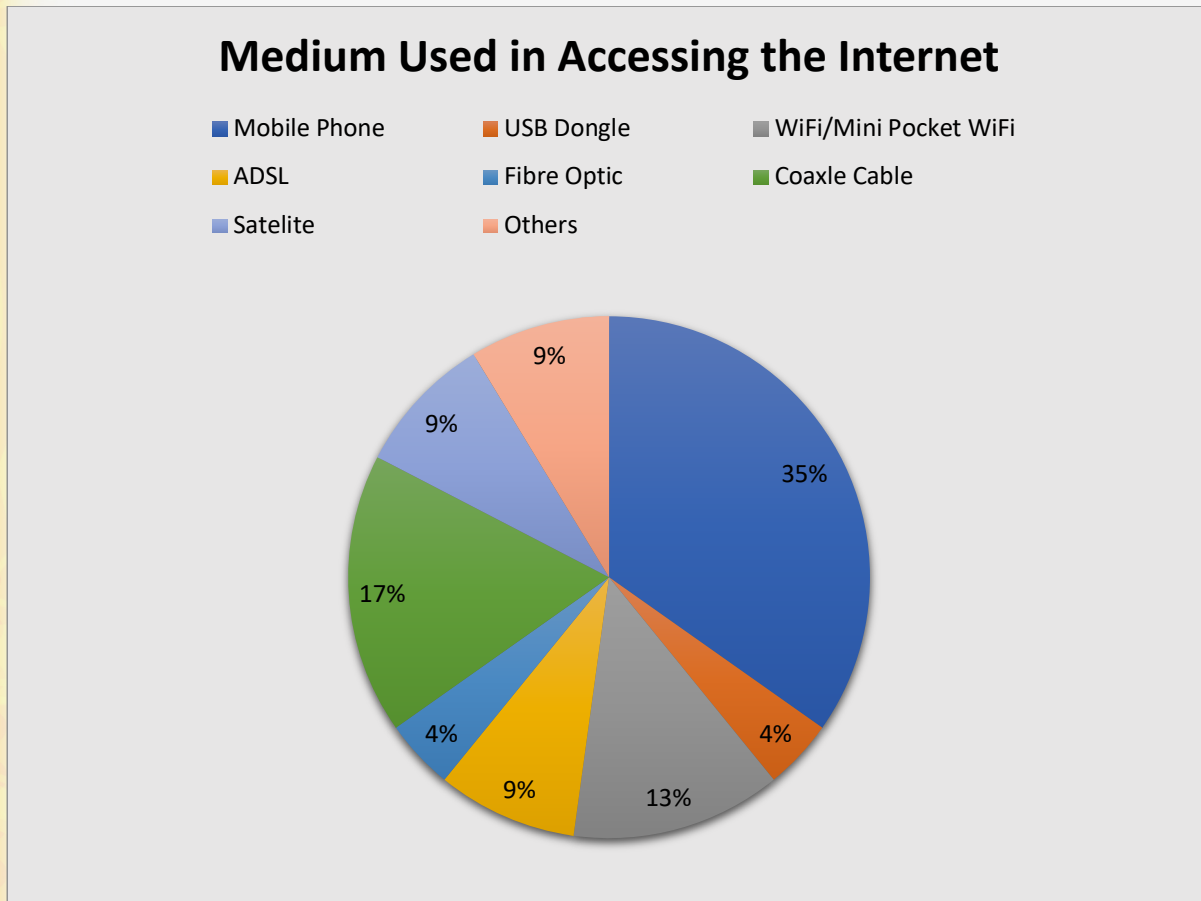
- 26% of the participants in NCD provided their answer as *Mobile Phone*,
- 22% of the participants in NCD provided their answer as *WiFi/Mini Pocket WiFi*,
- 22% of the participants in NCD provided their answer as *Fibre Optic*,
- While the remaining 30% was spread across the other identified mediums.

Medium Used in Accessing the Internet



MILNE BAY

- 35% of the participants in Milne Bay provided their answer as *Mobile Phone*,
- 17% of the participants in Milne Bay provided their answer as *Coaxle Cable*,
- 13% of the participants in Milne Bay provided their answer as *WiFi/Mini Pocket WiFi*,
- While the remaining 33% was spread across the other identified mediums.



QUESTION 6: SHORT ANSWER; IF YOUR ANSWER IS OTHERS, PLEASE SPECIFY:

NCD

- 79% of the participants in NCD identified their mediums,
- 21% of the participants in NCD did not identify their mediums.

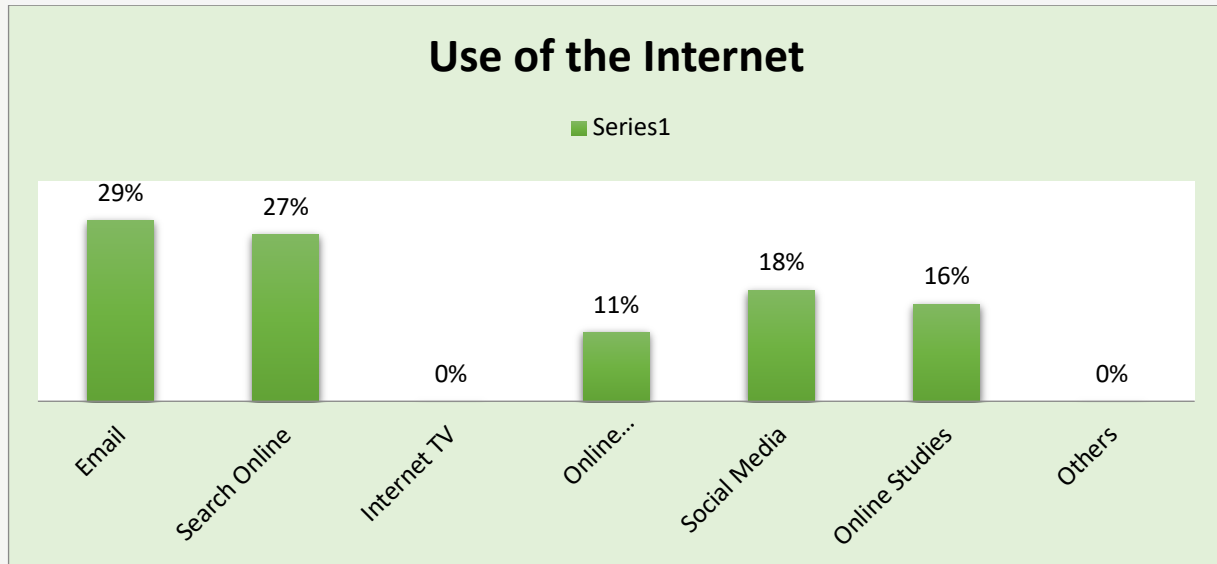
MILNE BAY

- 79% of the participants in NCD identified their mediums,
- 21% of the participants in NCD did not identify their mediums.

QUESTION 7: WHY DO YOU USE THE INTERNET?

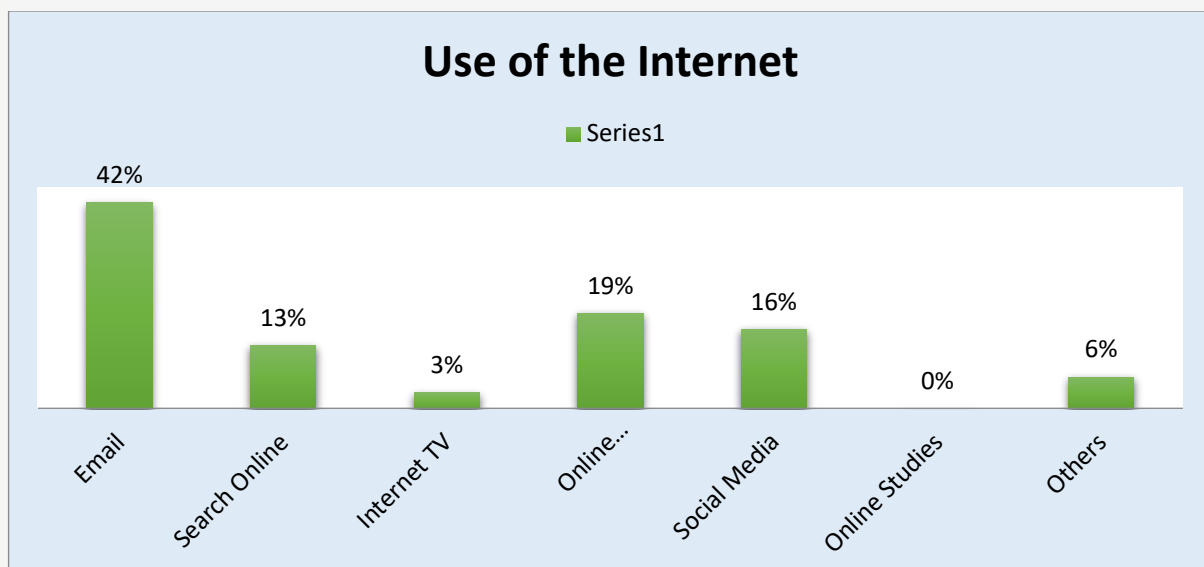
NCD

- 29% of the participants in NCD provided *Email* as their answer,
- 27% of the participants in NCD provided *Search Online* as their answer,
- 18% of the participants in NCD provided *Social Media* as their answer,
- While the remaining 26% was spread across the other uses.



MILNE BAY

- 42% of the participants in Milne Bay provided *Email* as their answer,
- 19% of the participants in Milne Bay provided *Online Financial/Accounting System* as their answer,
- 16% of the participants in Milne Bay provided *Social Media* as their answer,
- While the remaining 23% was spread across the other uses.



QUESTION 7: SHORT ANSWER; IF YOUR ANSWER IS OTHERS, PLEASE SPECIFY:

NCD

- 86% of the participants in NCD provided *Nil* as their answer,
- 14% of the participants in NCD *identified the Other Usage*.

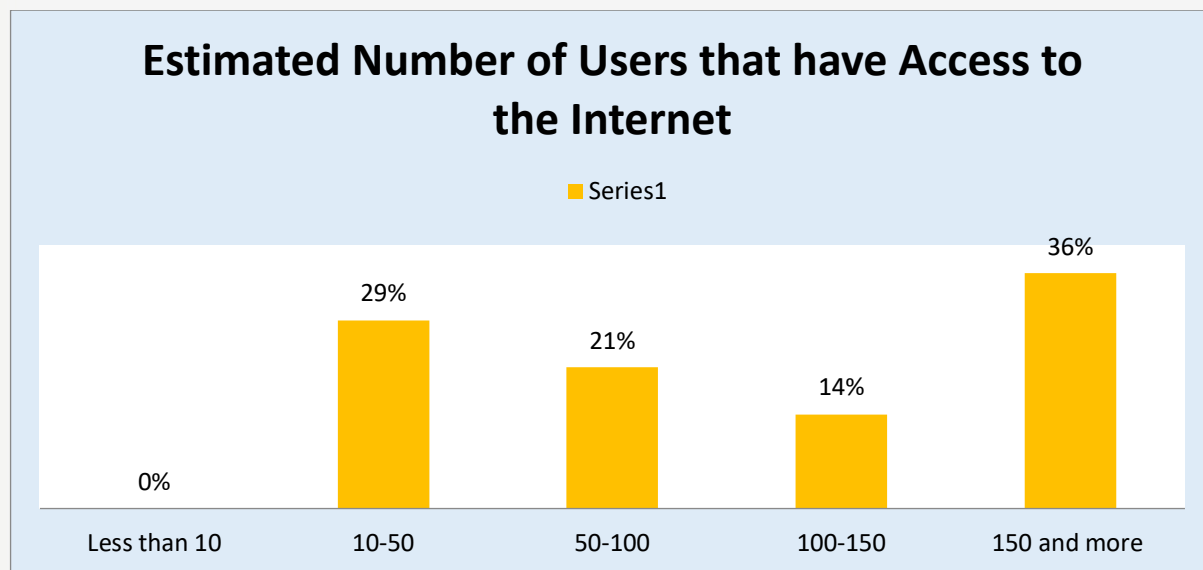
MILNE BAY

- 80% of the participants in Milne Bay provided *Nil* as their answer,
- 20% of the participants in Milne Bay *identified the Other Usage*.

QUESTION 8: WHAT WOULD BE THE ESTIMATED NUMBER OF USERS THAT HAVE ACCESS TO INTERNET WITHIN YOUR ORGANIZATION?

NCD

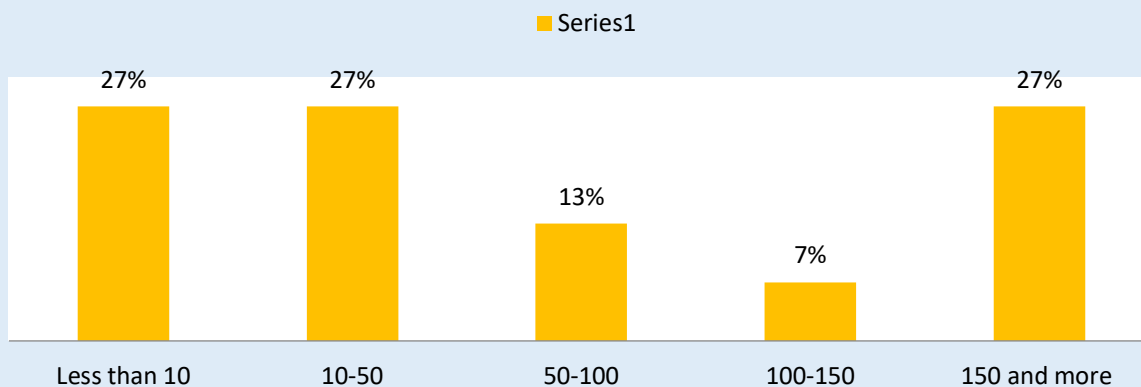
- 36% of the participants in NCD provided *150 and more* as their answer,
- 29% of the participants in NCD provided *10-50* as their answer,
- 21% of the participants in NCD provided *50-100* as their answer.
- While the remaining 14% was spread across the other number of users.



MILNE BAY

- 27% of the participants in Milne Bay provided *150 and more* as their answer,
- 27% of the participants in Milne Bay provided *10-50* as their answer,
- 27% of the participants in Milne Bay provided *less than 10* as their answer.
- While the remaining 19% was spread across the other number of users.

Estimated Number of Users that have Access to the Internet



QUESTION 9: IF YOU WISH TO PROVIDE ANY ADDITIONAL INFORMATION THEN USE THE SPACE PROVIDED BELOW:

NCD

- 79% of the participants in NCD provided *Nil* as their answer,
- 21% of the participants in NCD provided *Additional Information*.

MILNE BAY

- 67% of the participants in Milne Bay provided *Nil* as their answer,
- 33% of the participants in Milne Bay provided *Additional Information*.

8. Recommendation

Provided below are the recommendations made for the ISP survey in ten (10) selected provinces.

- More survey on 'control measures' should be conducted in the near future;
- Require separate budget on this survey program;
- Require a clarification/authorization letter (signature) from the Office of the Chief Censor for future field surveys;
- Work in collaboration with law enforcement agencies that deal with cybersecurity and the newly created cyber centre; and
- Require Statistical Product and Service Solutions software (data management and statistical Analysis tool reporting).

9. Conclusion

With breakdown in moral values and ethical standard in our society, there is an increase in social problems and other cross-cutting issues happening in and around the country. Many factors can be considered for its downfall and the main reason being the introduction of the modern technology in this modern digital era.

With modern technology breaking the barrier, there is an increased in the number of Internet Service Providers and its end users. This has prompted the survey to be conducted and to prove whether they have any control measures in place to safeguard its citizen from all sorts of indecent information and materials coming into the country through our open internet space.

There are eight (8) questions to this survey and the main one was raised regarding the control measures used by ISPs and others are generating questions to gauge more views and ideas surrounding its nature.

This survey is also conducted to support the major research on Media and Sexual Content through which the Office of Censorship is embarking on to propose recommendations and suggestions on the need to establish a system on to filter the internet content.

10. APPENDIXES

Attachment 1: Momase Regional Data

Attachment 2: NGI Regional Data

Attachment 3: Highlands Regional Data

Attachment 4: Sample ISP Questionnaire

ATTACHMENT 1: MOMASE REGION DATA

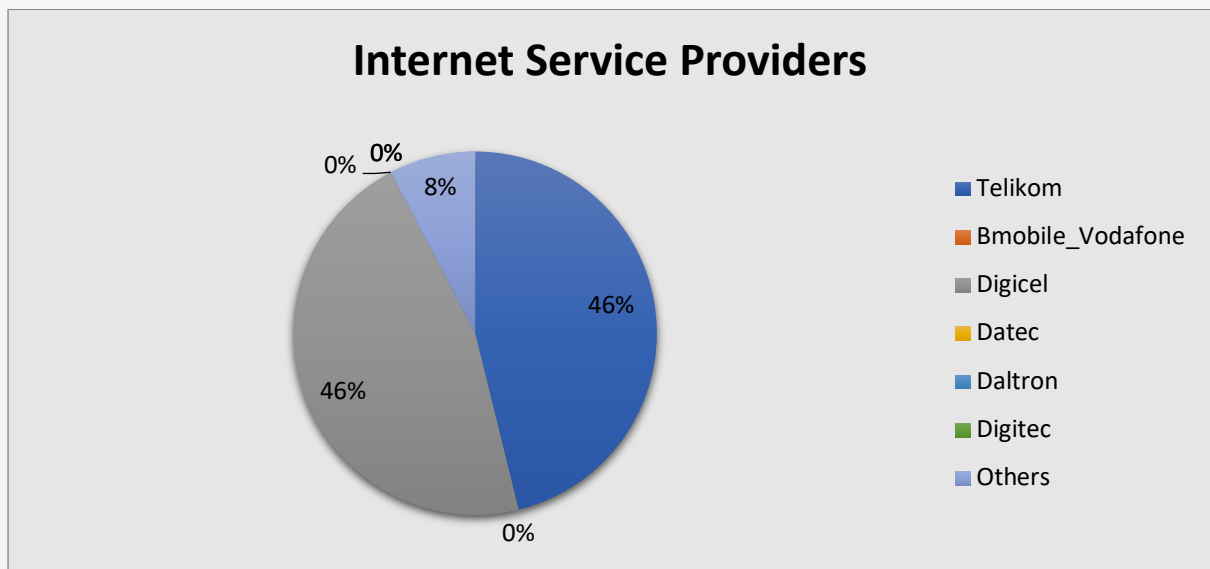
QUESTION 1: WHO IS YOUR INTERNET SERVICE PROVIDER?

MOMASE Region:

4. East Sepik
5. Sandaun
6. Madang (Not conducted)
7. Morobe (Not conducted)

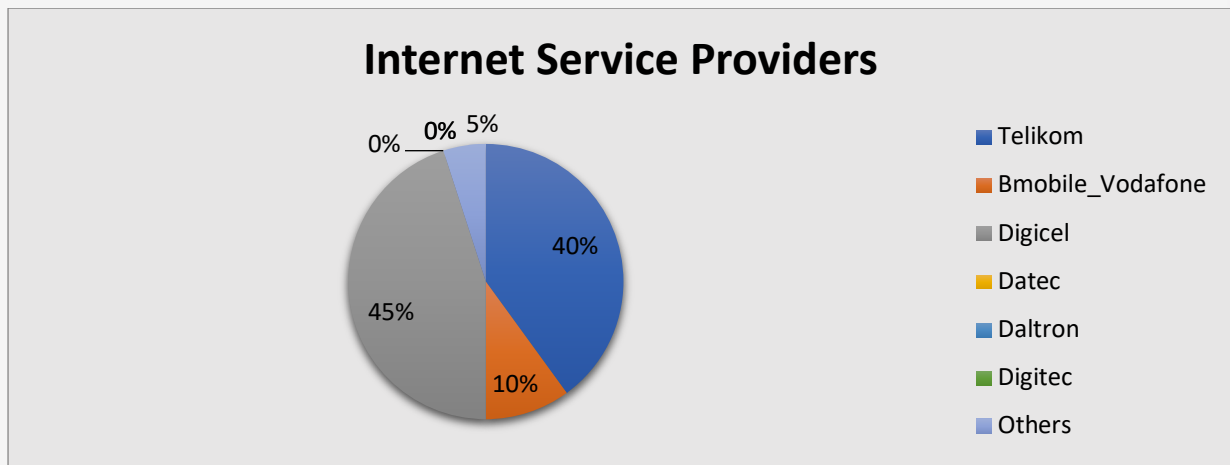
ESP

- Both the Telikom and Digicel are the major ISP players in ESP with 46% users each.
- *Other ISP* players take up the remaining 8%.



Sandaun:

- Telikom is the major ISP player in Sandaun Province with 45% users while Digicel is the secondary ISP player with 40%,
- B'mobile_Vodafone takes 10% of the ISP users and the remaining 5% comes from others.



Regional Comparison:

- Major urban centres contain more ISP service providers operating either registered/not registered compared to small/rural centres in PNG.
- Small/rural centres likely to have illegal ISP operators due to isolation from government authority,

QUESTION 1 (SHORT ANSWER): QUESTION ON OTHER IDENTIFIED INTERNET SERVICE PROVIDERS;

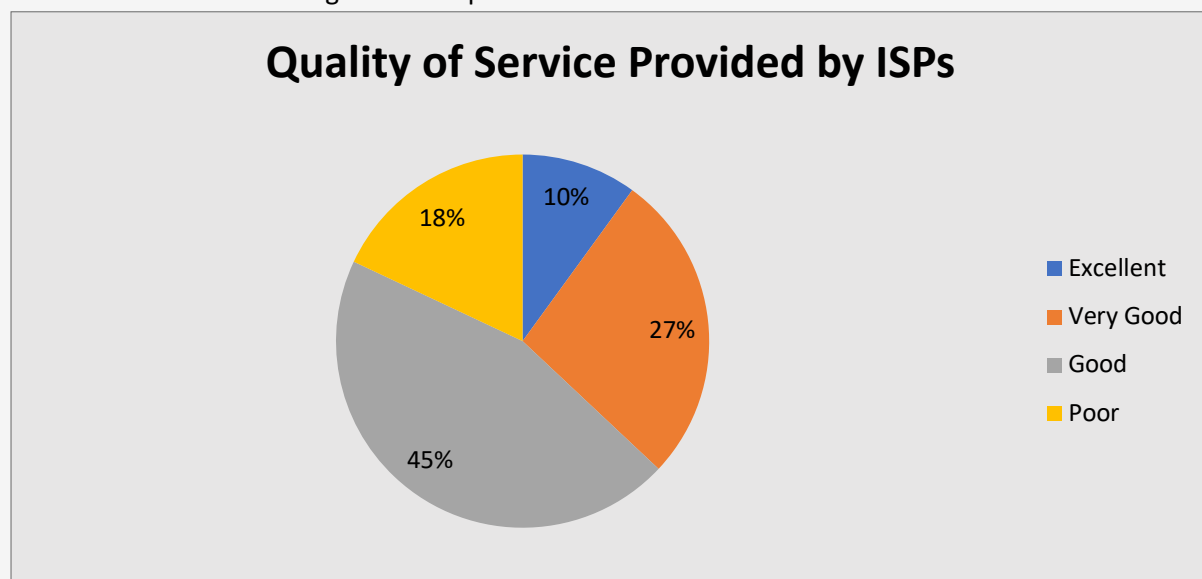
ESP/Sandaun:

- Both 91% of the participants in ESP/Sandaun answered and identified the *Other Internet Service Providers* and did not mention the name of the operator,
- 9% of the participants in both provinces did not provide any answer.

QUESTION 2: HOW EFFECTIVE IS THE QUALITY OF THE SERVICE PROVIDED BY YOUR ISP,

ESP:

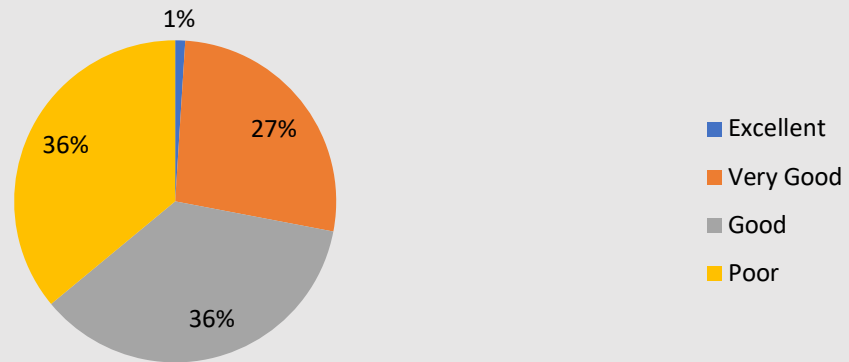
- 45% of the participants in ESP answered *good* for the quality of the service provided,
- 27% of the participant in ESP answered very *good* for the quality of the service provided,
- 18% of the participant answered *Poor*,
- While the remaining 10% was spread across the others.



Sandaun:

- 36% of the participants in Sandaun answered *Good* for the quality of the service provided,
- 36% of the participant in Sandaun answered *Poor* for the quality of the service provided,
- 27% of the participant answered *Very Good*,
- While the 1% answered *Excellent* for the quality of the service,

Quality of Service Provided by ISPs



QUESTION 2 (SHORT ANSWER): IF YOUR ANSWER IS POOR, PLEASE SPECIFY;

ESP:

- 18% of the participants in both ESP provided reasons for *Poor Quality*,
- 82% of the participants in ESP did not provide any answer.

Sandaun:

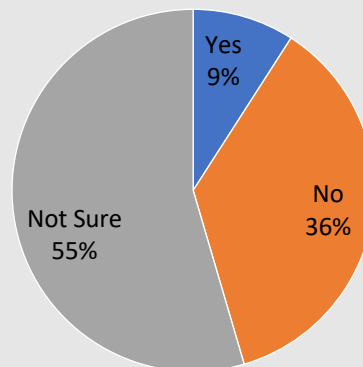
- 45% of the participants in Sandaun provide reasons for *Poor Quality*,
- 55% of the participants in Sanduan did not provide their answer.

QUESTION 3: ARE THERE ANY CONTROL MEASURE PROVIDED BY YOUR ISP?

ESP/Sandaun:

- 55% of the participants in both ESP/Sandaun answered *Not Sure* with control measure in place,
- 36% of the participants in both centres answered *No*,
- 9% of the participants in both centres answered *Yes*,

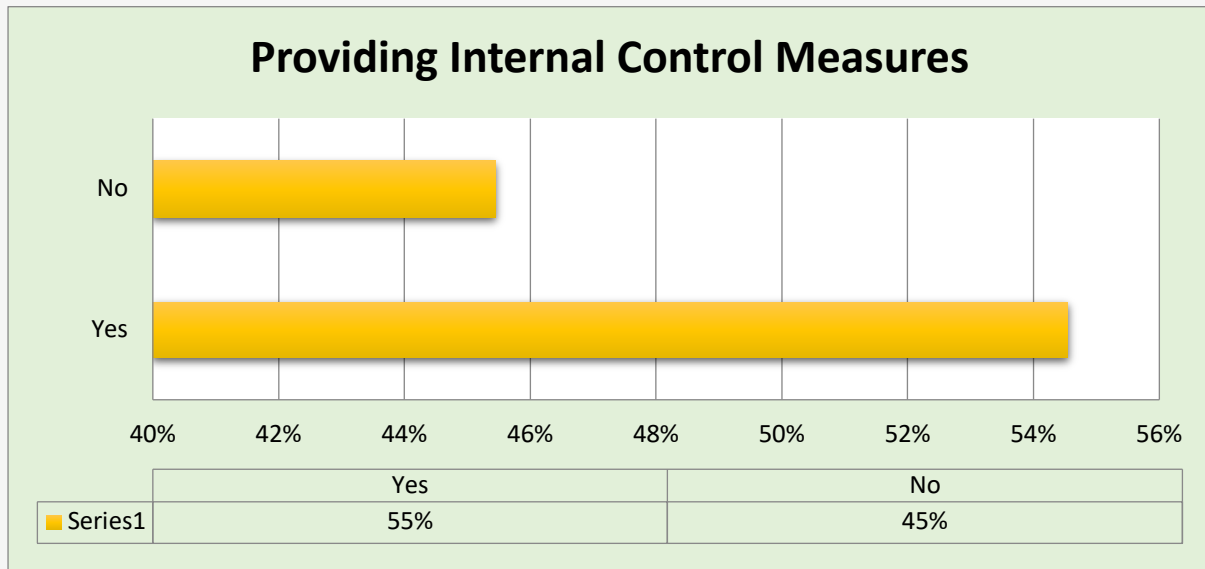
Control Measures Provided by ISP in both provinces



QUESTION 4: DO YOU HAVE YOUR OWN SET OF CONTROL MEASURES?

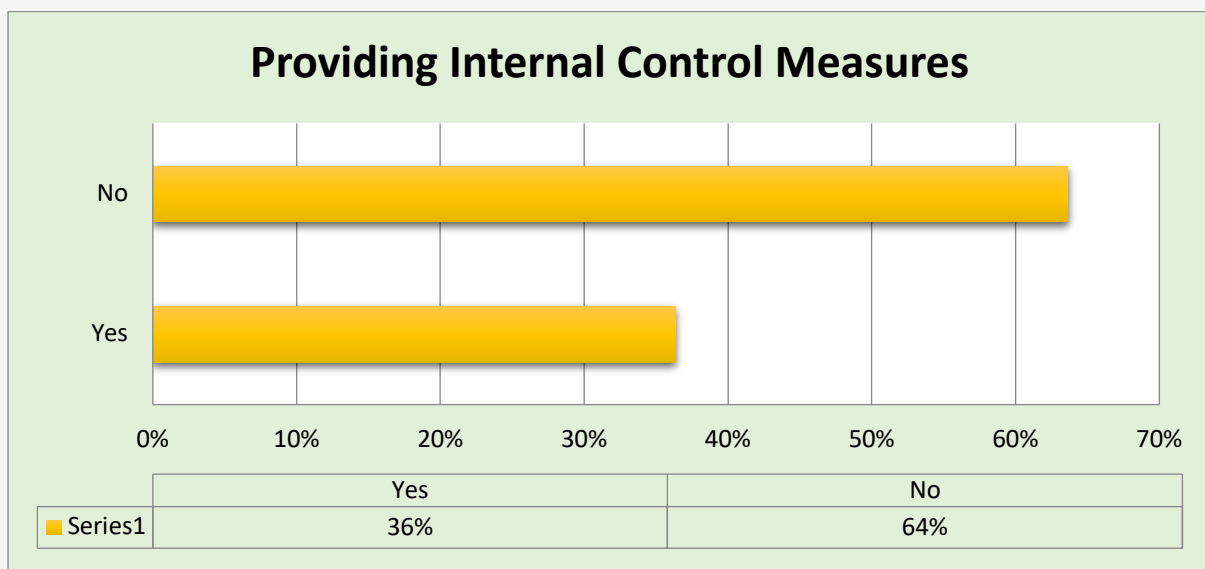
ESP:

- 55% of the participants in ESP answered *Yes*,
- 45% of the participant in ESP answered *No*.



Sandaun:

- 36% of the participants in ESP answered *Yes*,
- 64% of the participant in ESP answered *No*.



QUESTION 4 (SHORT ANSWER): IF YOUR ANSWER IS YES, PLEASE SPECIFY;

ESP:

- 27% of the participants in ESP provided answers with *Other Specification*,
- 73% of the participant in ESP answered *Not Specified*,

Sandaun:

- 36% of the participants in Sandaun provided answers with *Other Specification*,
- 64% of the participant in Sandaun answered *Not Specified*,

QUESTION 4: SHORT ANSWER2: PROVIDE SHORT ANSWERS FOR OTHER FIREWALL DEVICES AND OR METHODS

ESP:

- 73% of the participants in ESP did not provide any answer,
- 27% of the participants in ESP provide their answer.

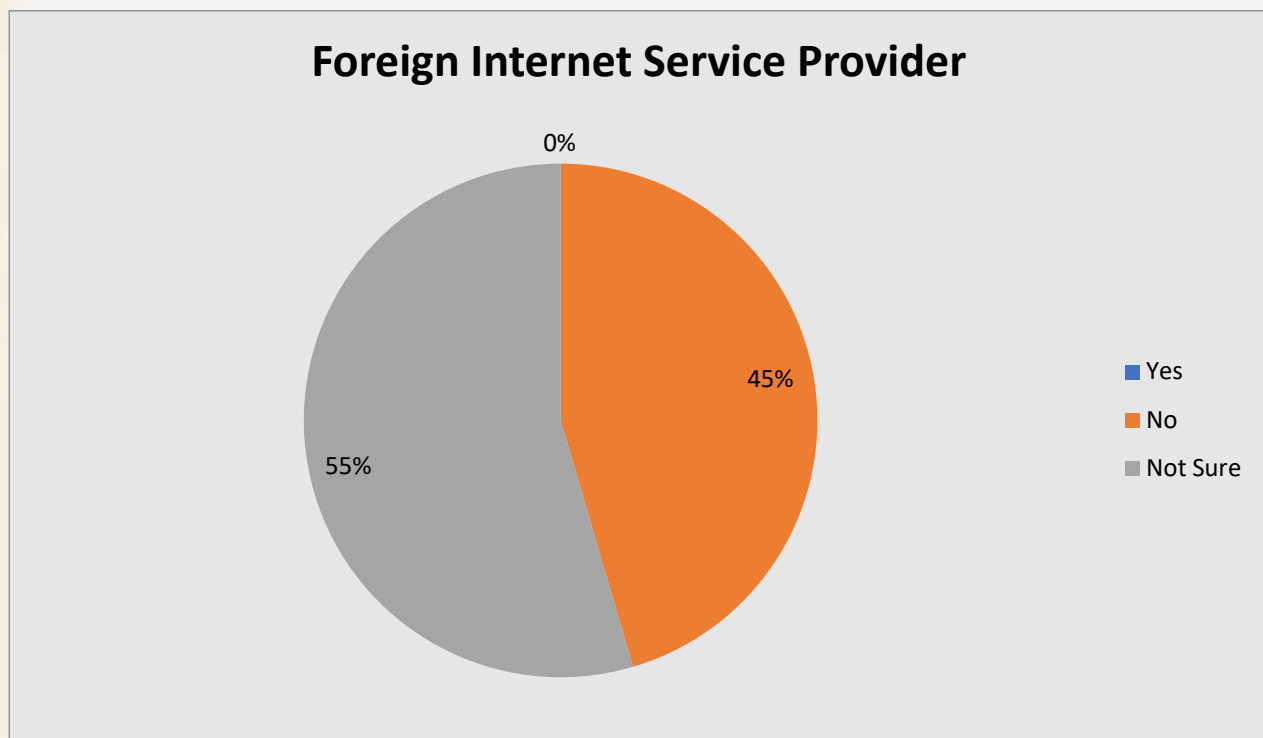
Sandaun:

- 64% of the participants in ESP provided Nil as their Answer for other firewall devices and or methods used,
- 36% of the participant in ESP provided other firewall devices and or methods used,

QUESTION 5: DO YOU KNOW OF ANY FOREIGN COMPANY (ISP) PROVIDING INTERNET SERVICES IN YOUR PROVINCE?

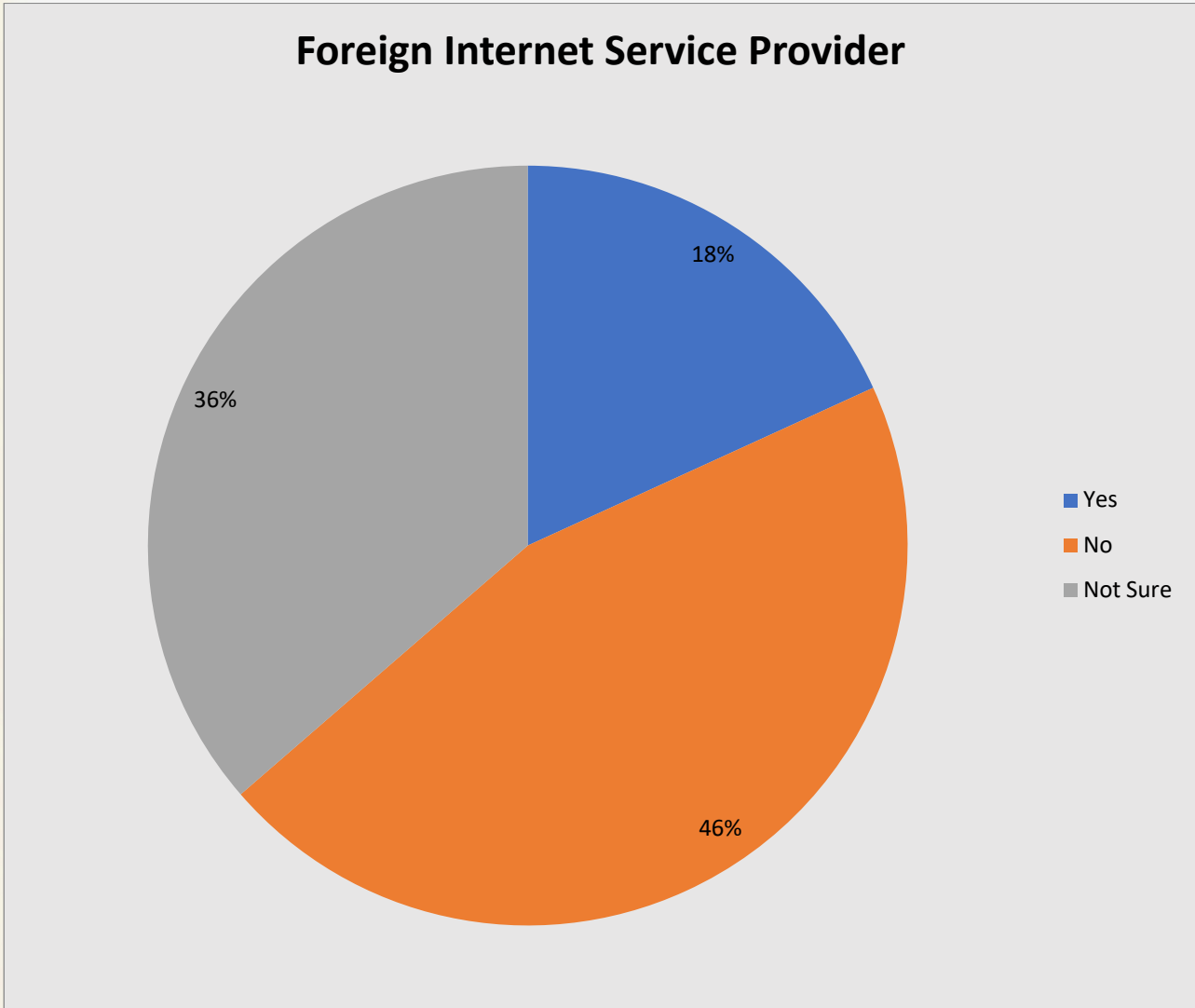
ESP:

- 55% of the participants in ESP answered *Not Sure*,
- 45% of the participant in ESP answered *No*.



Sandaun:

- 45% of the participants in Sandaun answered *No*,
- 36% of the participant in Sandaun answered *Not Sure*,
- 18% of the participants answered *Yes*.



QUESTION 5: Short Answer; If your answer is *Yes*, Please specify:

ESP:

- 100% of the participants in ESP did not provide any answer

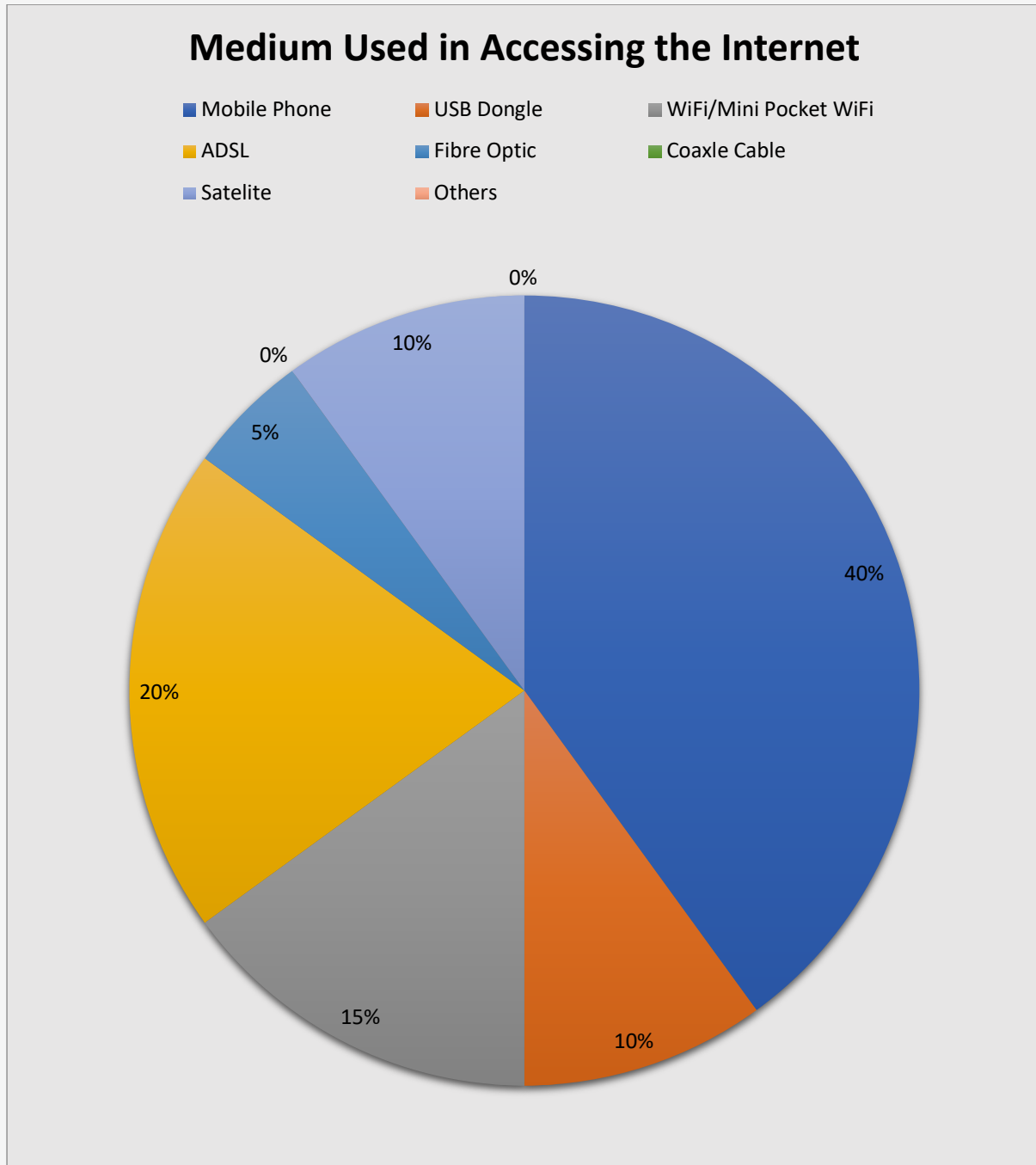
Sandaun:

- 82% of the participants in Sandaun did not provide any answer,
- 18% of the participants in Sandaun *Identified the Foreign ISPs*.

QUESTION 6: What type of medium do you use to access Internet?

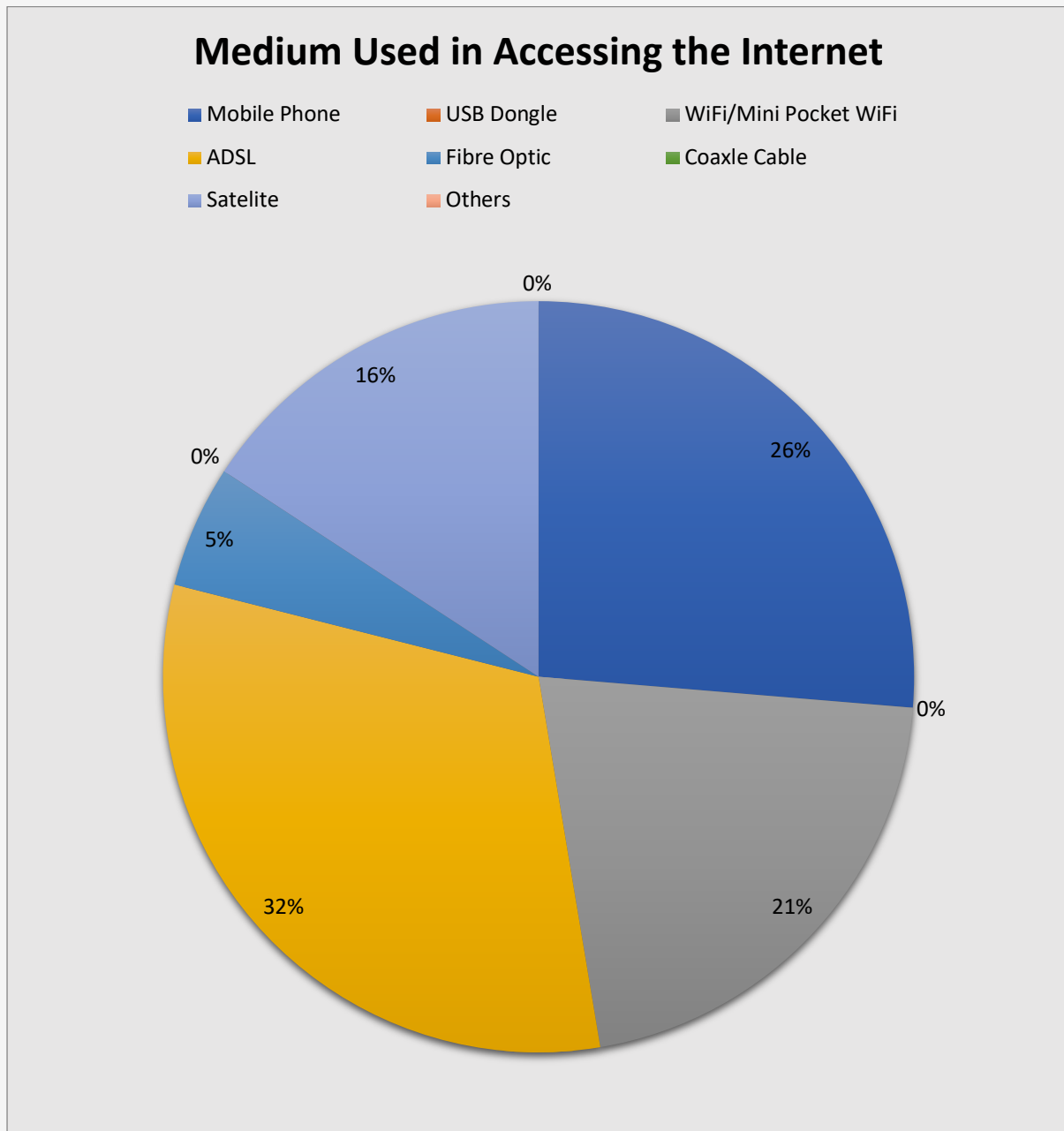
ESP:

- 40% of the participants in ESP provided their answer as *Mobile Phone*,
- 20% of the participants in ESP provided their answer as *ADSL*,
- 15% of the participants in ESP provided their answer as *WiFi/Mini Pocket WiFi* ,
- While the remaining 25 % was spread across the other identified mediums.



Sandaun:

- 32% of the participants in Sandaun provided their answer as *ADSL*,
- 26% of the participants in Sandaun provided their answer as *Mobile Phone*,
- 16% of the participants in Sandaun provided their answer as *Satelite* ,
- While the remaining 26 % was spread across the other identified mediums.



QUESTION 6: SHORT ANSWER; IF YOUR ANSWER IS OTHERS, PLEASE SPECIFY:

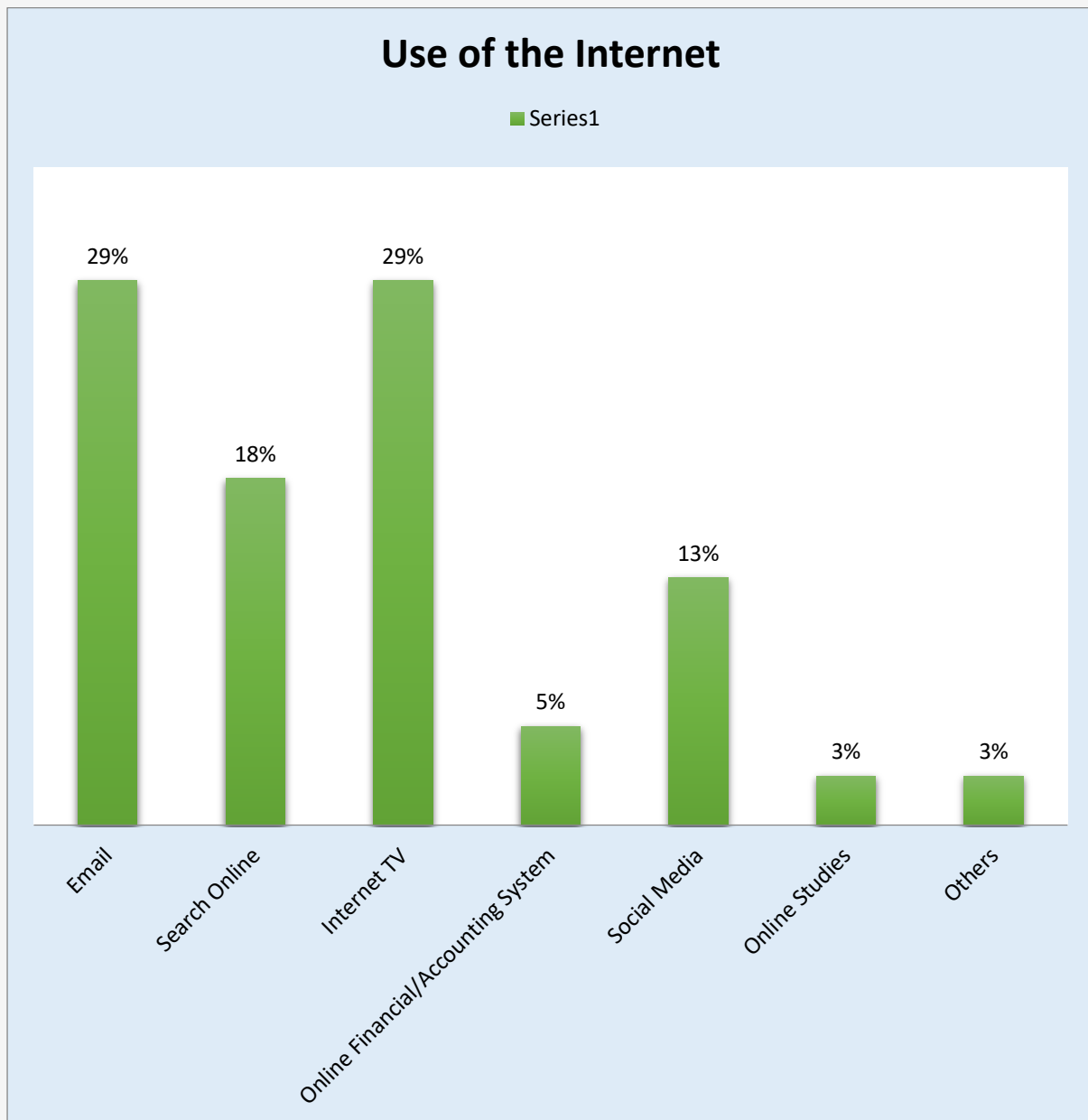
ESP/Sandaun:

- 100% of the participants in ESP/Sandaun did not provide any answer.

QUESTION 7: WHY DO YOU USE THE INTERNET?

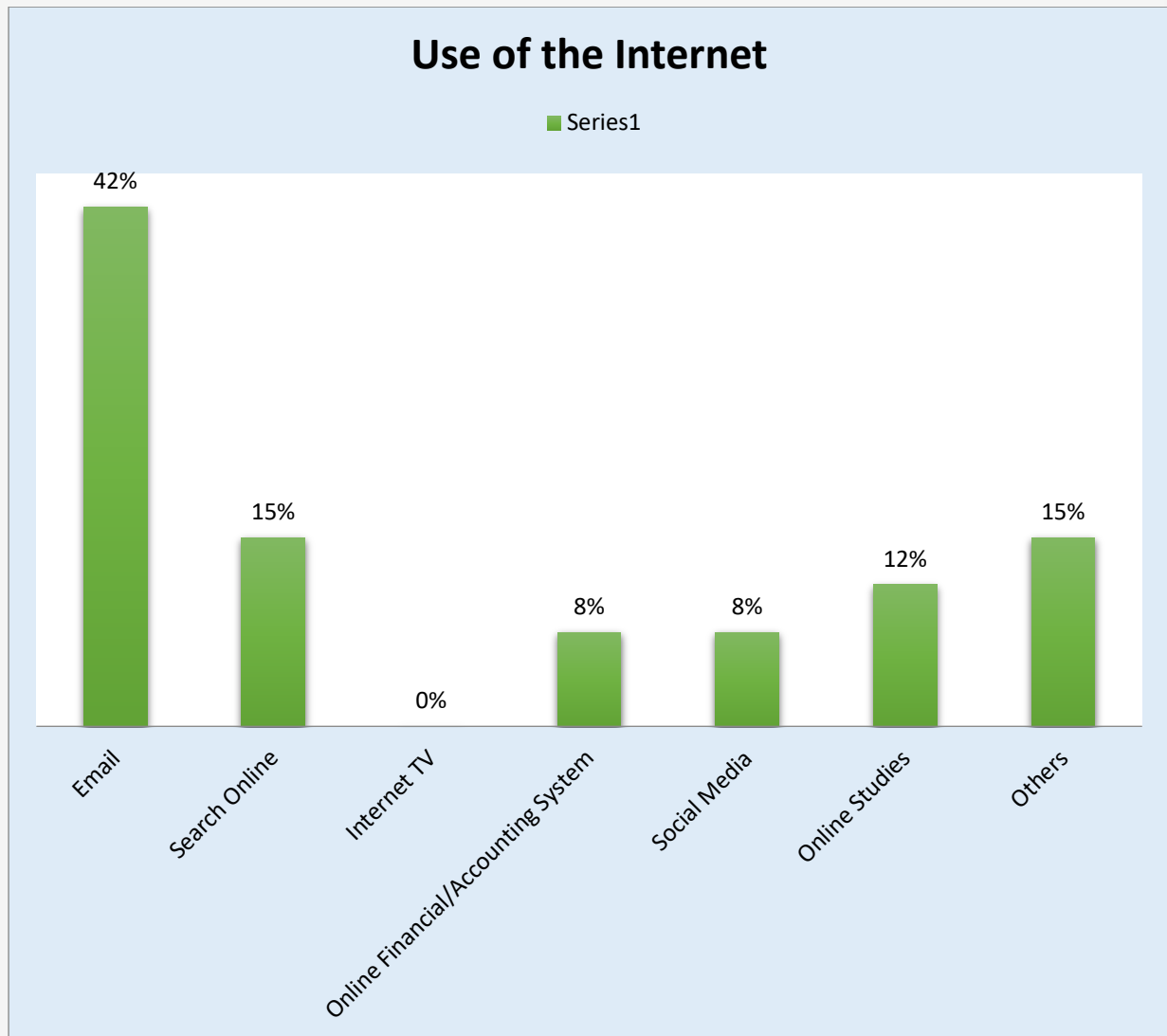
ESP:

- 29% of the participants in ESP provided *Email* as their answer,
- While the other 29% of the participants in ESP provide *Internet TV* as their answer,
- 18% of the participants in ESP provided *Search Online* as their answer,
- While the remaining 24% was spread across the other uses.



Sandaun:

- 42% of the participants in Sandaun provided *Email* as their answer,
- While both the Search Online and Others goes for 15%,
- And *Social Media* and *Online Financial Accounting System* goes for 8%,
- While the remaining 12% was spread across the other uses.



QUESTION 7: SHORT ANSWER; IF YOUR ANSWER IS OTHERS, PLEASE SPECIFY:

ESP:

- 91% of the participants in ESP did not provide any answer,
- 9% of the participants in ESP *identified the Other Usage*.

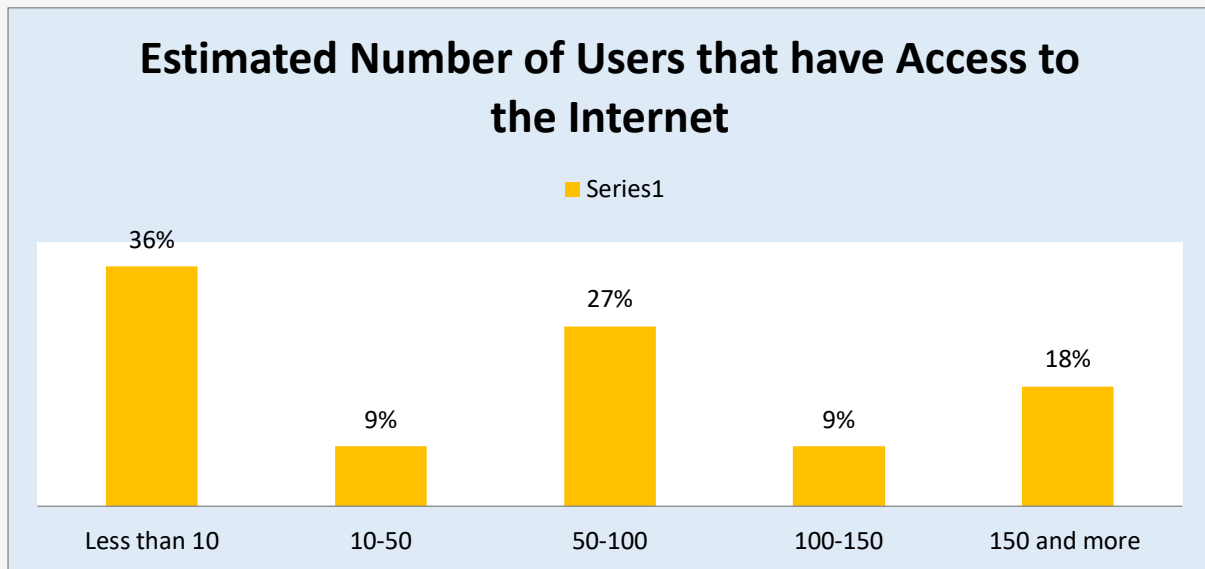
Sandaun:

- 64% of the participants in Sandaun did not provide any answer,
- 36% of the participants in Sandaun *identified the Other Usage*.

QUESTION 8: WHAT WOULD BE THE ESTIMATED NUMBER OF USERS THAT HAVE ACCESS TO INTERNET WITHIN YOUR ORGANIZATION?

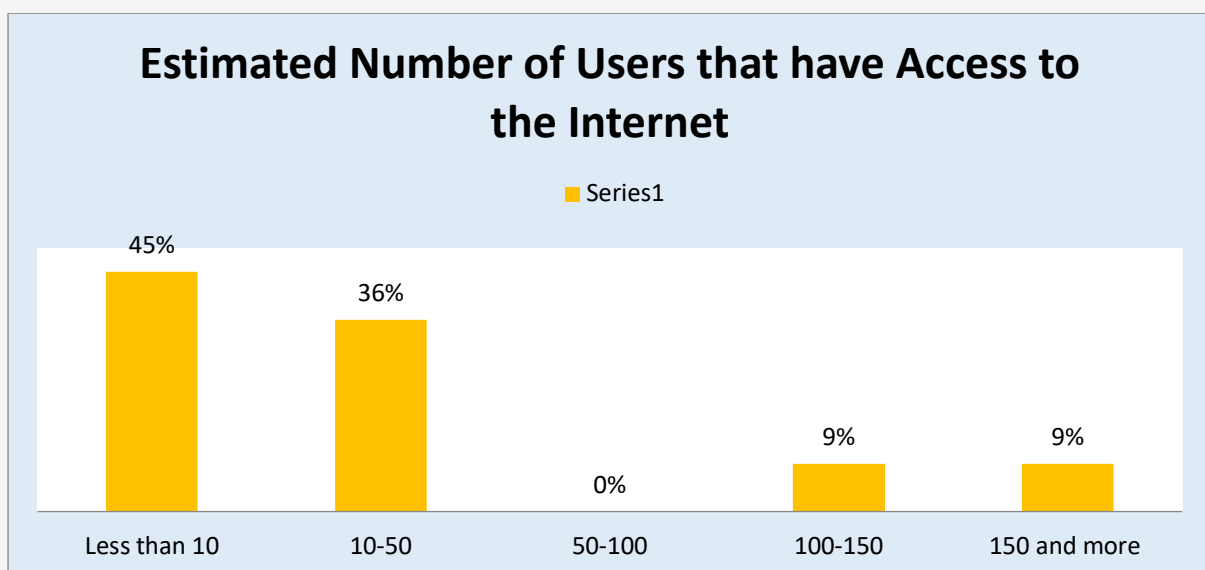
ESP:

- 36% of the participants in ESP provided *Less than 10* as their answer,
- 27% of the participants in ESP provided *50-100* as their answer,
- 18% of the participants in ESP provided *150 and More* as their answer.
- While the remaining 19% was spread across the other number of users.



Sandaun:

- 45% of the participants in Sandaun provided *Less than 10* as their answer,
- 36% of the participants in Sandaun provided *10-50* as their answer,
- 9% of the participants in Sandaun both provided *100-150* and *150 and More* as their answer.
- While the remaining 1% comes from *50-100* as their answer.



QUESTION 9: IF YOU WISH TO PROVIDE ANY ADDITIONAL INFORMATION THEN USE THE SPACE PROVIDED BELOW:

ESP:

- 100% of the participants in ESP did not provide any answer,

Sandaun:

- 91% of the participants in Sandaun did not provide any answer,
9% of the participants in Sandaun provided *Additional Information*.

ATTACHMENT 2: NGI REGION DATA

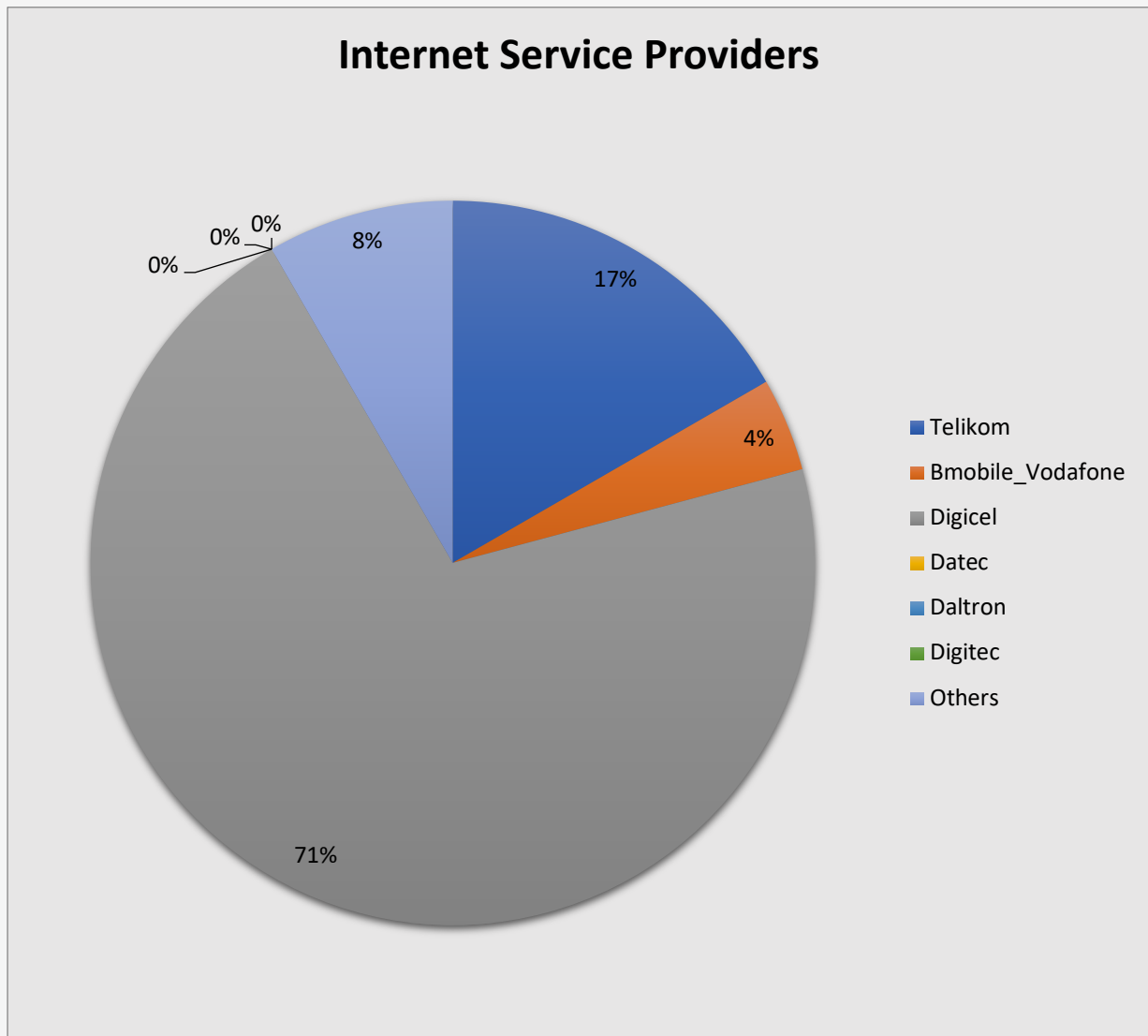
QUESTION 1: WHO IS YOUR INTERNET SERVICE PROVIDER?

NGI Region:

8. East New Britain Province
9. West New Britain Province
10. Manus (insufficient data)
11. New Ireland Province (Not conducted)
12. North Solomon Province (Not conducted)

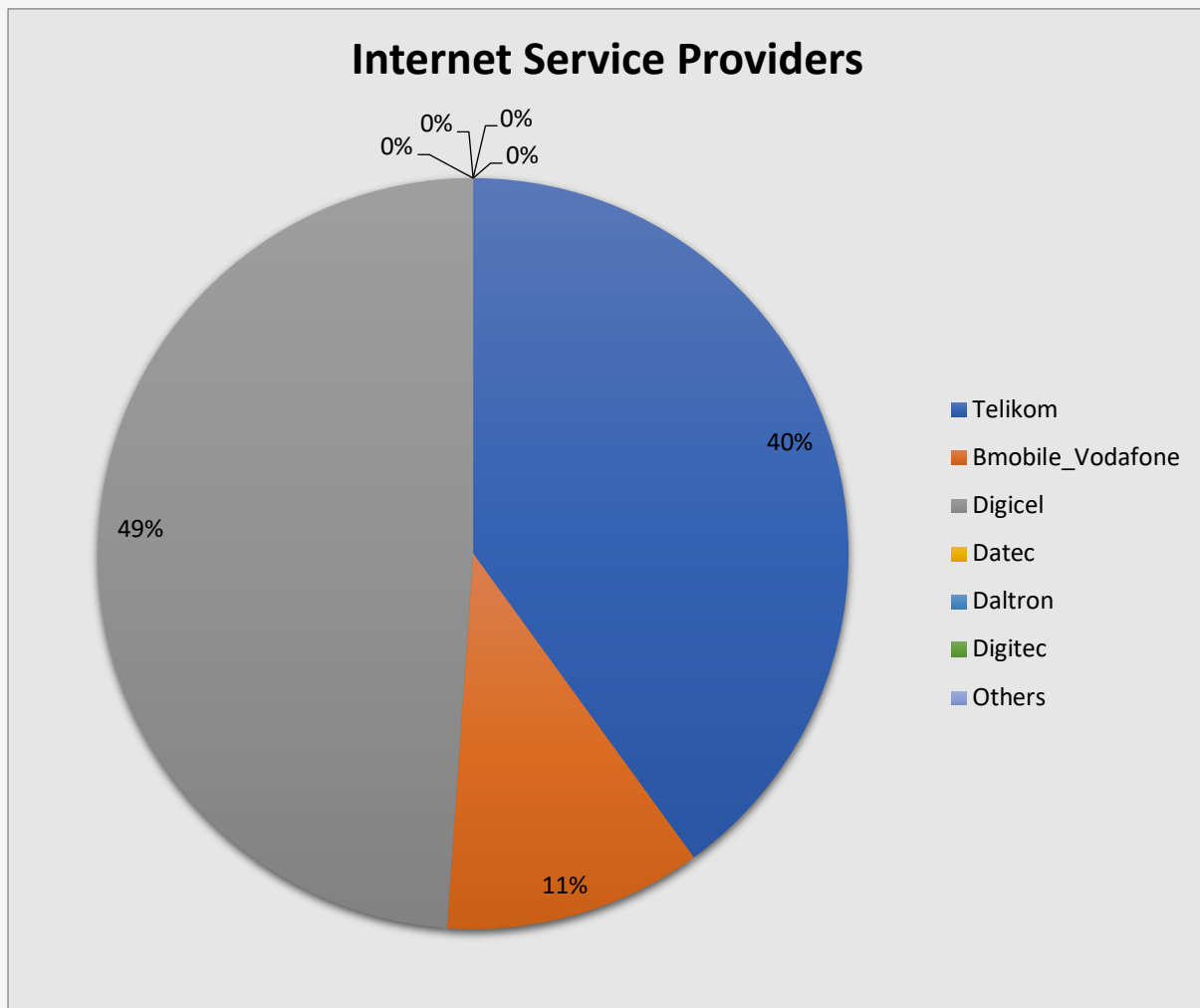
ENB

- Digicel is the major ISP player in ENB with 71% users.
- Telkom is the Secondary ISP player with 17% while Other ISP players take up the remaining 12%.



WNB:

- Digicel is the major ISP player in WNB Province with 49% users while Telikom is the secondary ISP player with 40%,
- B'mobile_Vodafone takes 11% of the ISP users.



Regional Comparison:

- Major urban centres contain more ISP service providers operating either registered/not registered compared to small/rural centres in PNG.
- Small/rural centres likely to have illegal ISP operators due to isolation from government authority,

QUESTION 1 (SHORT ANSWER): QUESTION ON OTHER IDENTIFIED INTERNET SERVICE PROVIDERS;

ENB:

- 11% of the participants in ENB answered and identified the *Other Internet Service Providers* and did not mention the name of the operator,
- 89% of the participants in the province did not provide any answer.

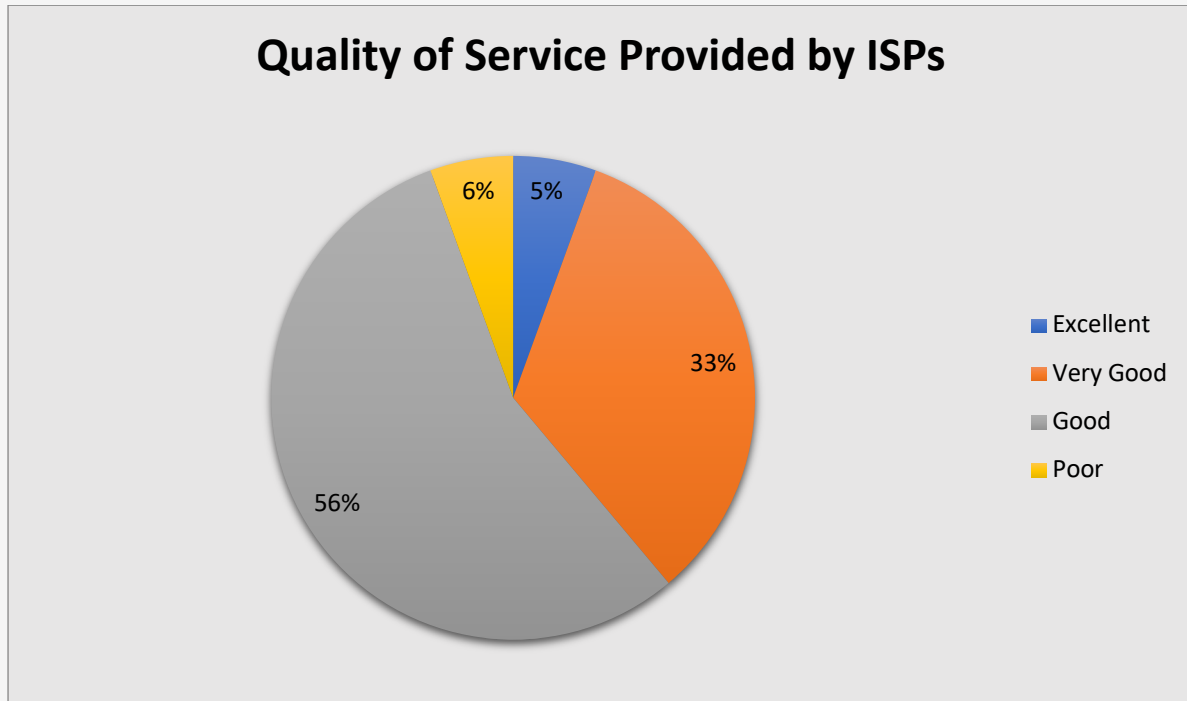
WNB:

- About 100% of the participants in WNB did not provide any answers.

QUESTION 2: HOW EFFECTIVE IS THE QUALITY OF THE SERVICE PROVIDED BY YOUR ISP,

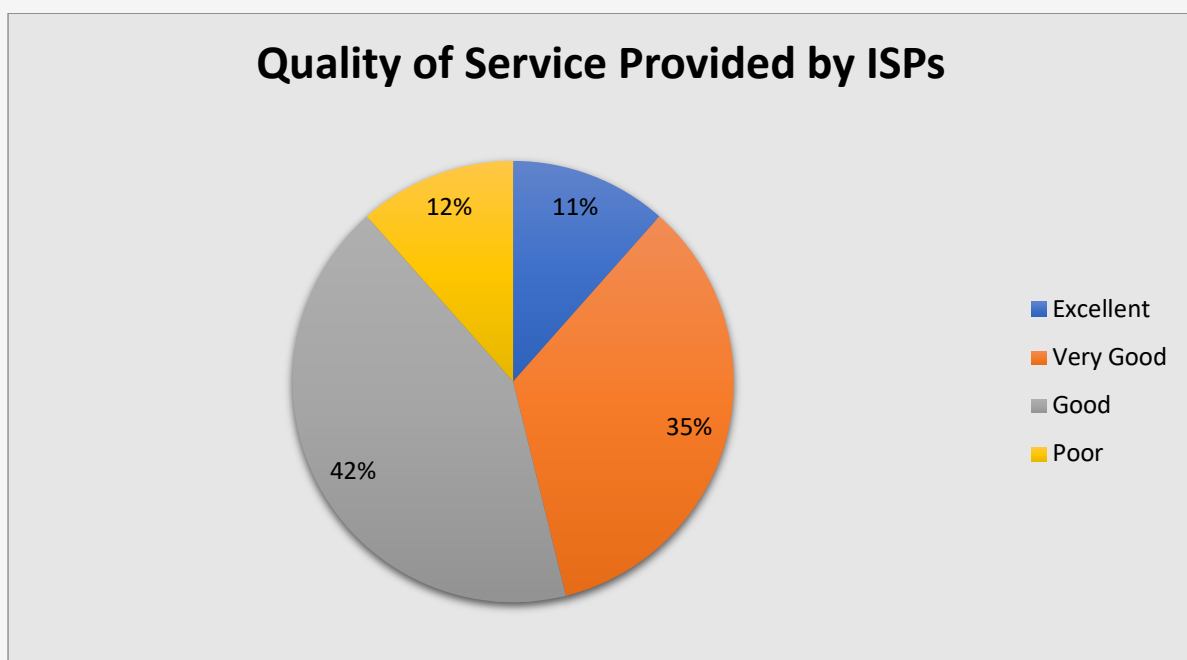
ENB:

- 56% of the participants in ENB answered *good* for the quality of the service provided,
- 33% of the participant answered *very good* while 6 % answered *Poor* and 5% answered *Excellent*.



WNB:

- 42% of the participants in WNB answered *Good* for the quality of the service provided,
- 35% of the participant in WNB answered *Very Good* while 12% answered *Poor* and 11% answered *Excellent*.



QUESTION 2 (SHORT ANSWER): IF YOUR ANSWER IS POOR, PLEASE SPECIFY;

ENB:

- 12% of the participants in both ENB provided reasons for *Poor Quality*,
- 88% of the participants in ENB did not provide any answer.

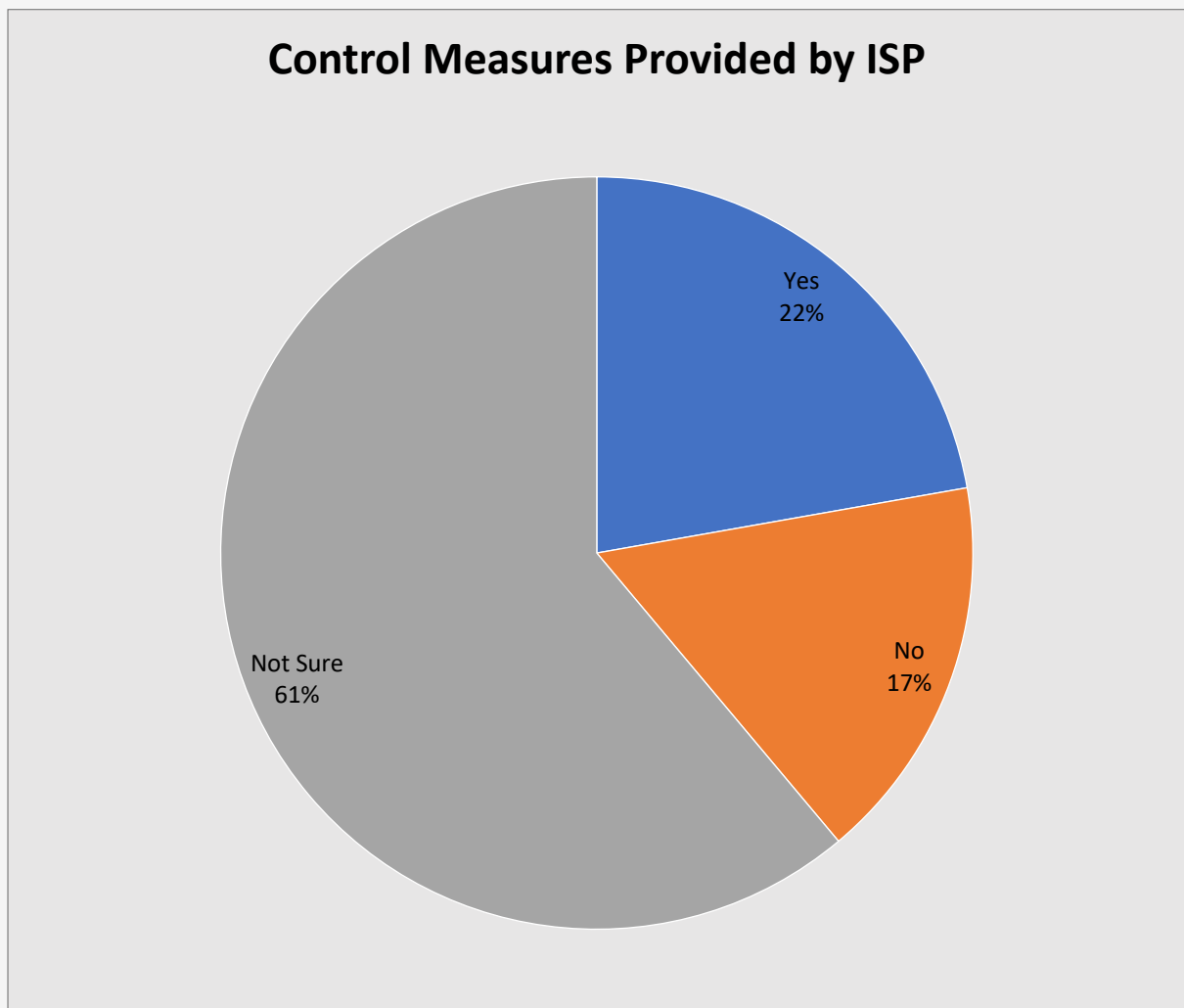
WNB:

- 18% of the participants in WNB provide reasons for *Poor Quality*,
- 82% of the participants in WNB did not provide their answer.

QUESTION 3: ARE THERE ANY CONTROL MEASURE PROVIDED BY YOUR ISP?

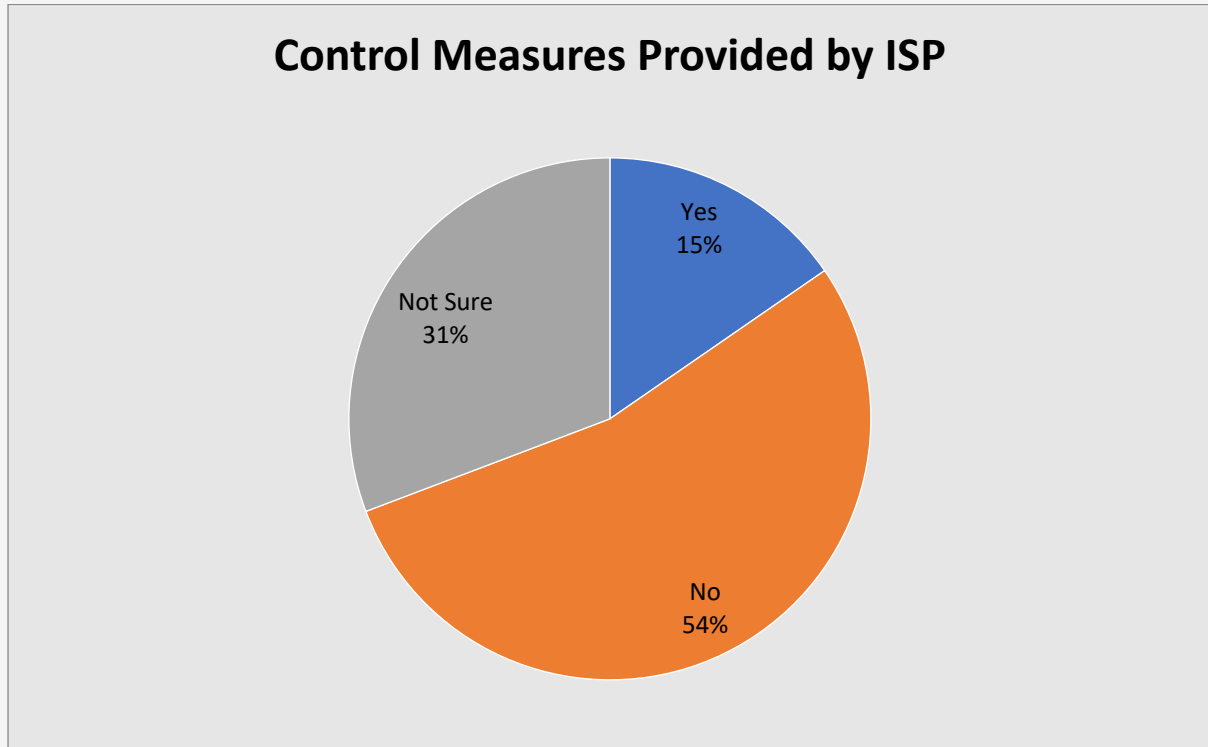
ENB:

- 61% of the participants in both ENB answered *Not Sure* with control measure in place,
- 22% of the participants answered *Yes*,
- 17% of the participants in answered *No*.



WNB:

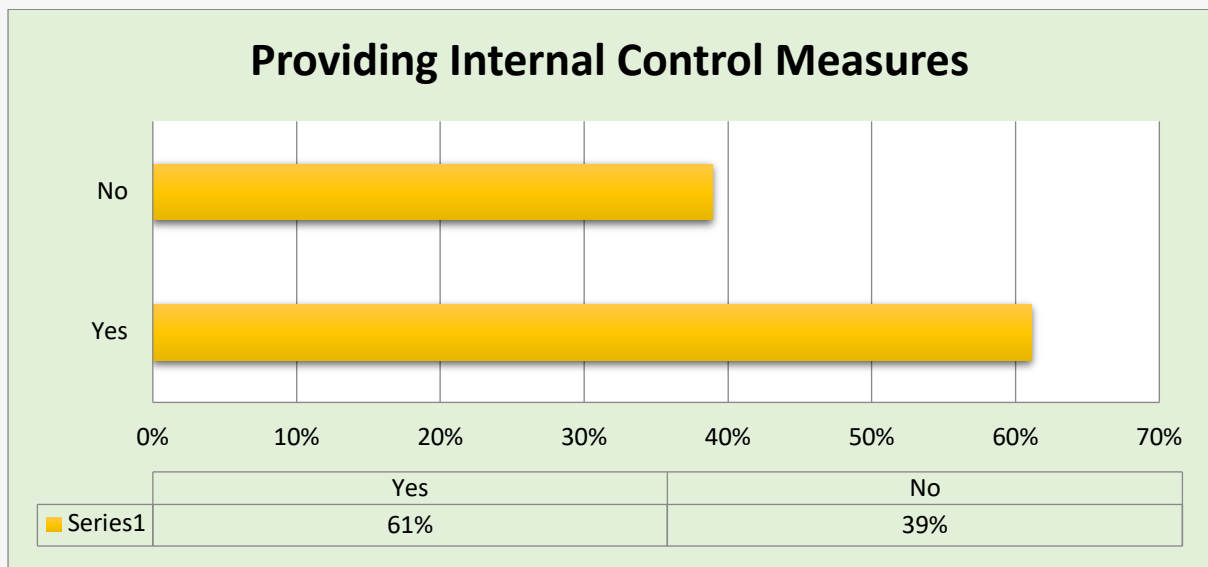
- 54% of the participants in both WNB answered *No*,
- 31% of the participants answered *Not Sure*,
- 15% of the participants in answered *Yes*.



QUESTION 4: DO YOU HAVE YOUR OWN SET OF CONTROL MEASURES?

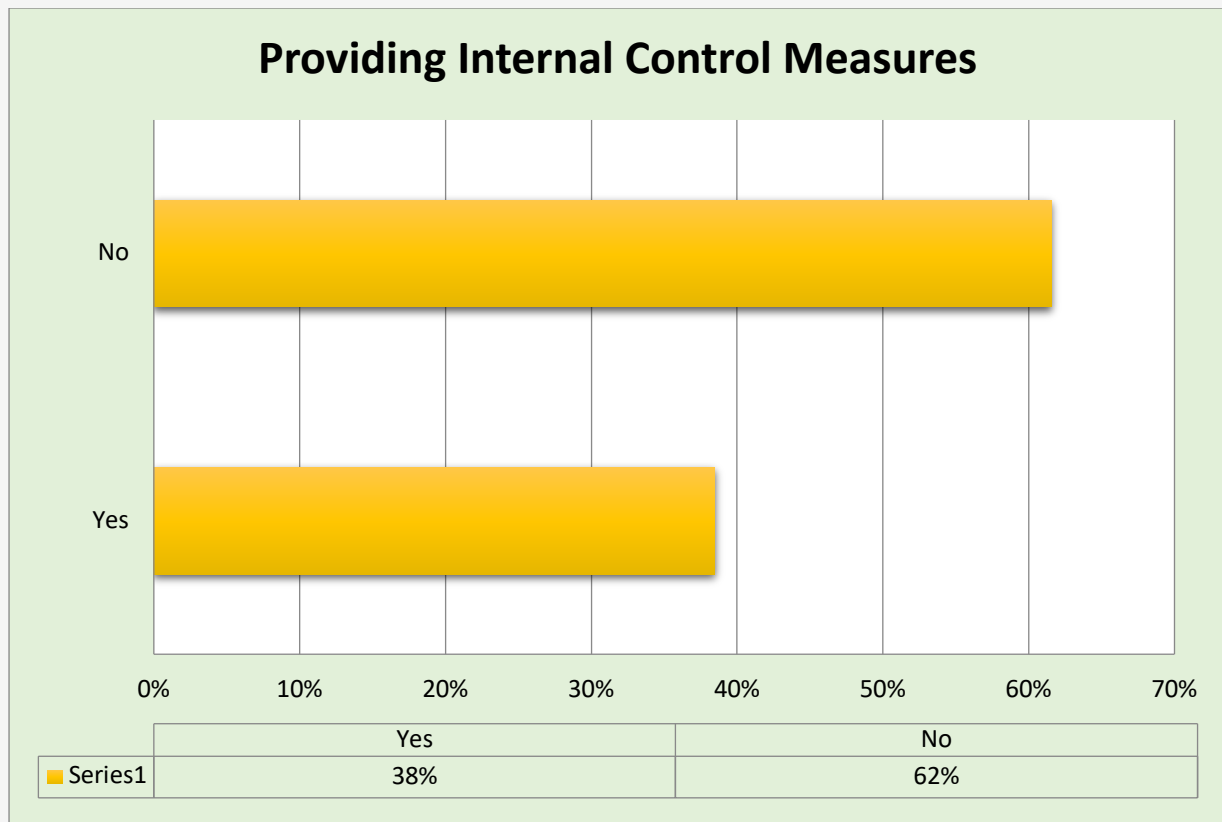
ENB:

- 61% of the participants in ENB answered *Yes*,
- 39% of the participant in ENB answered *No*.



WNB:

- 62% of the participants in WNB answered *Yes*,
- 38% of the participant in WNB answered *No*.



QUESTION 4 (SHORT ANSWER): IF YOUR ANSWER IS YES, PLEASE SPECIFY;

ENB:

- 33% of the participants in ENB provided answers with *Other Specification*,
- 67% of the participant in ENB answered *Not Specified*.

WNB:

- 19% of the participants in WNB provided answers with *Other Specification*,
- 81% of the participant in WNB answered *Not Specified*.

QUESTION 4: SHORT ANSWER2: PROVIDE SHORT ANSWERS FOR OTHER FIREWALL DEVICES AND OR METHODS

ENB:

- 67% of the participants in ENB did not provide any answer,
- 33% of the participants in ENB provide their answer.

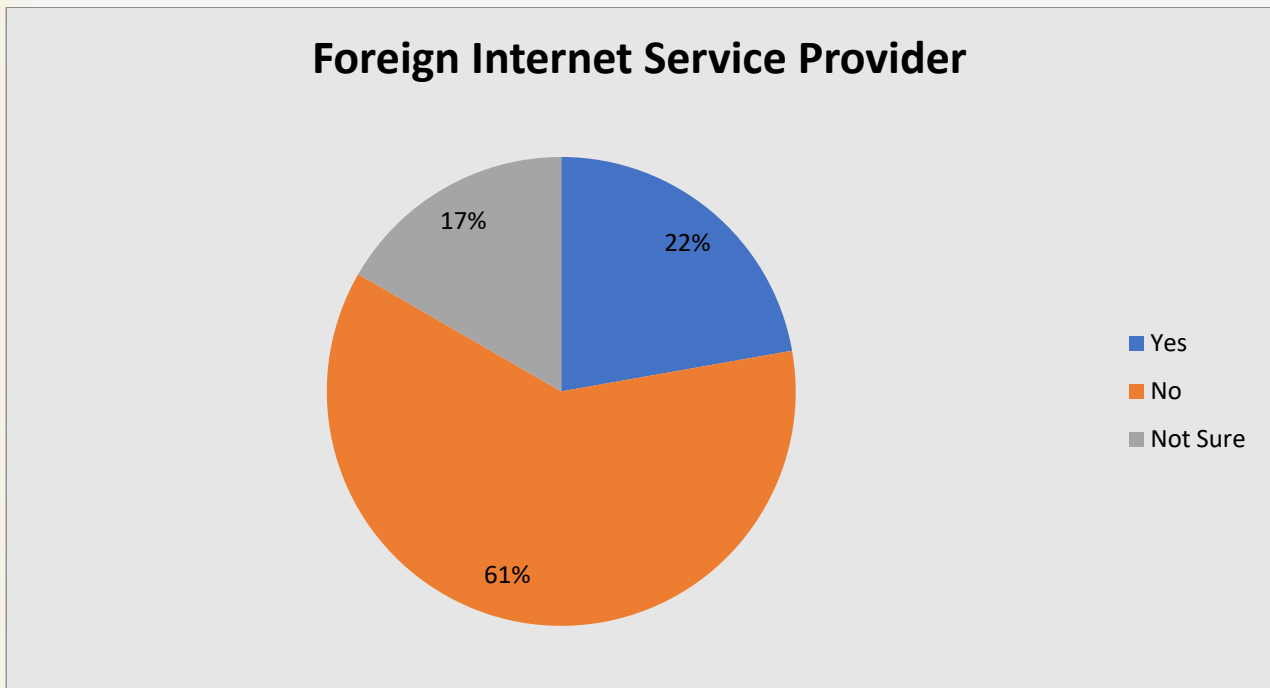
WNB:

- 81% of the participants in WNB did not provide any answers on other firewall devices and or methods used,
- 19% of the participant in WNB provided other firewall devices and or methods used,

QUESTION 5: DO YOU KNOW OF ANY FOREIGN COMPANY (ISP) PROVIDING INTERNET SERVICES IN YOUR PROVINCE?

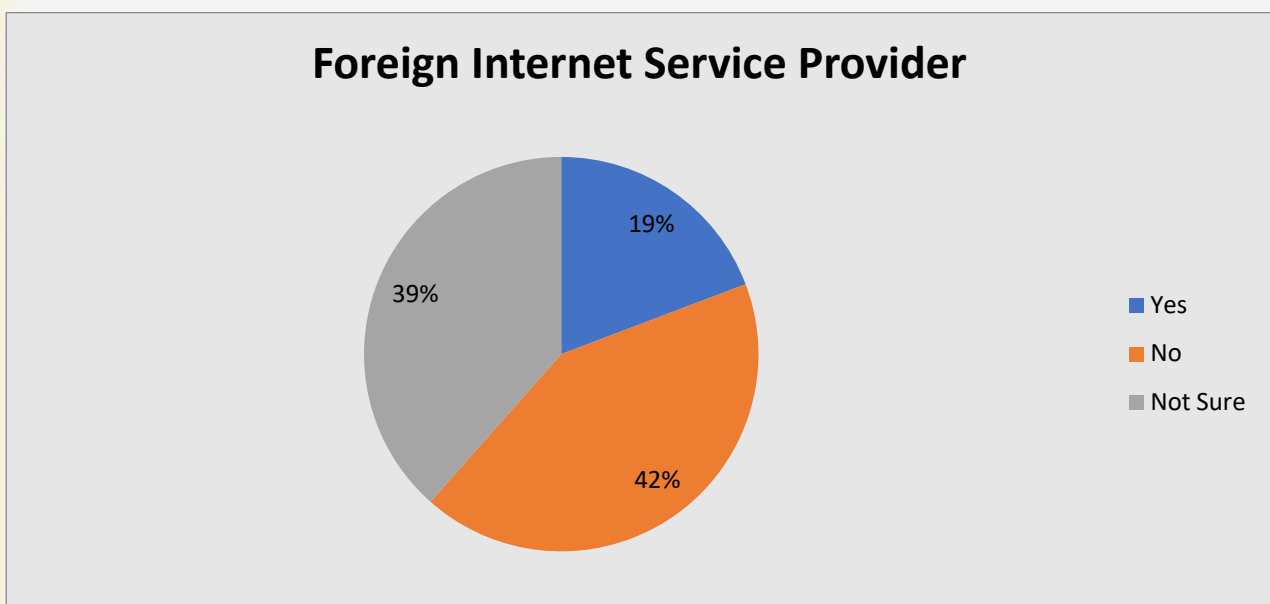
ENB:

- 61% of the participants in ENB answered *No*,
- 22% of the participant in ENB answered *Yes* while 17% answered *Not Sure*.



WNB:

- 42% of the participants in WNB answered *No*,
- 39% of the participant answered *Not Sure*,
- 19% of the participants answered *Yes*.



QUESTION 5: Short Answer; If your answer is Yes, Please specify:

ENB:

- 78% of the participants in WNB did not provide any answer,
- 22% of the participants in WNB *Identified the Foreign ISPs.*

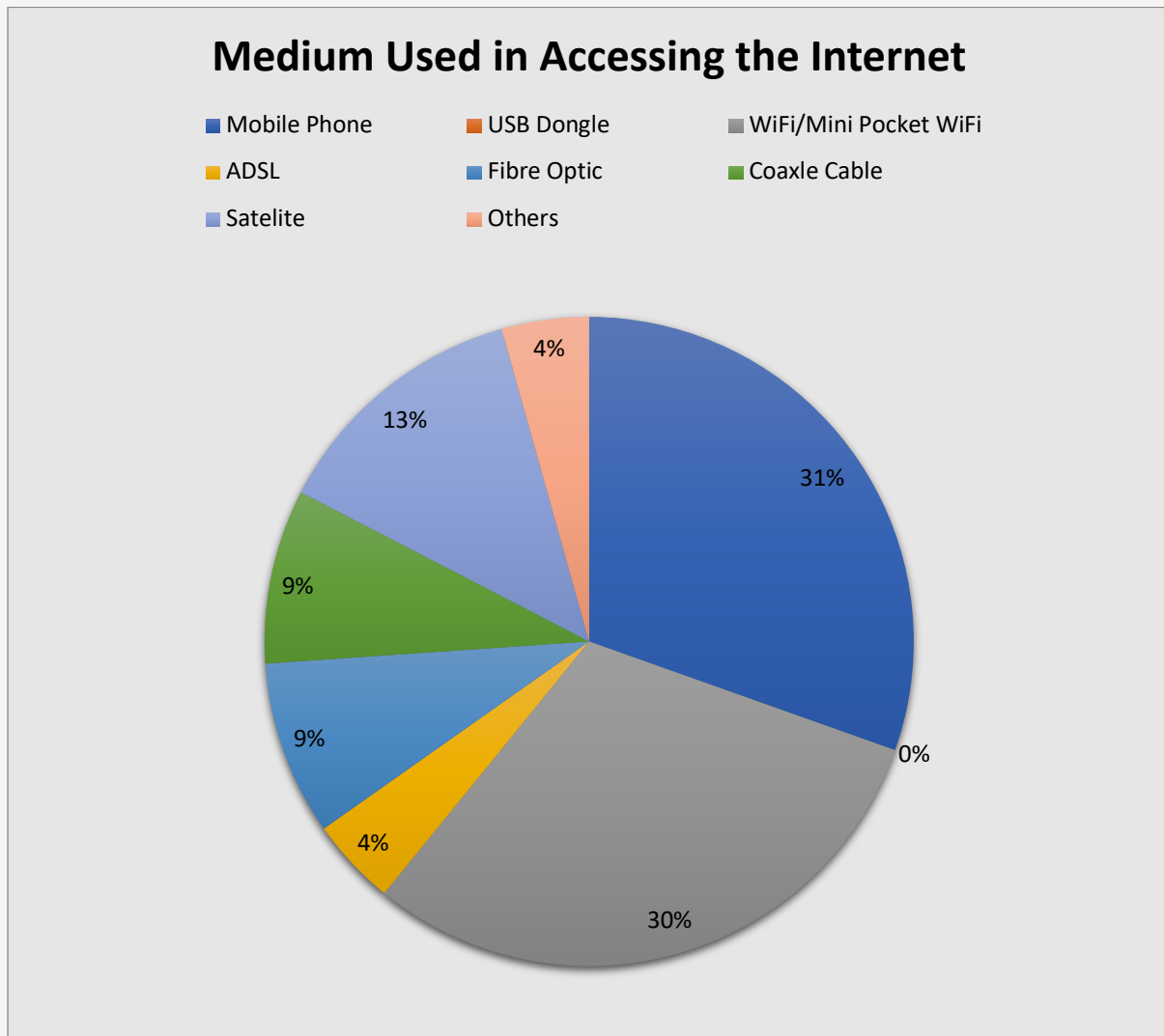
WNB:

- 85% of the participants in WNB did not provide any answers,
- 15% of the participants in WNB had *Identified the Foreign ISPs.*

QUESTION 6: What type of medium do you use to access Internet?

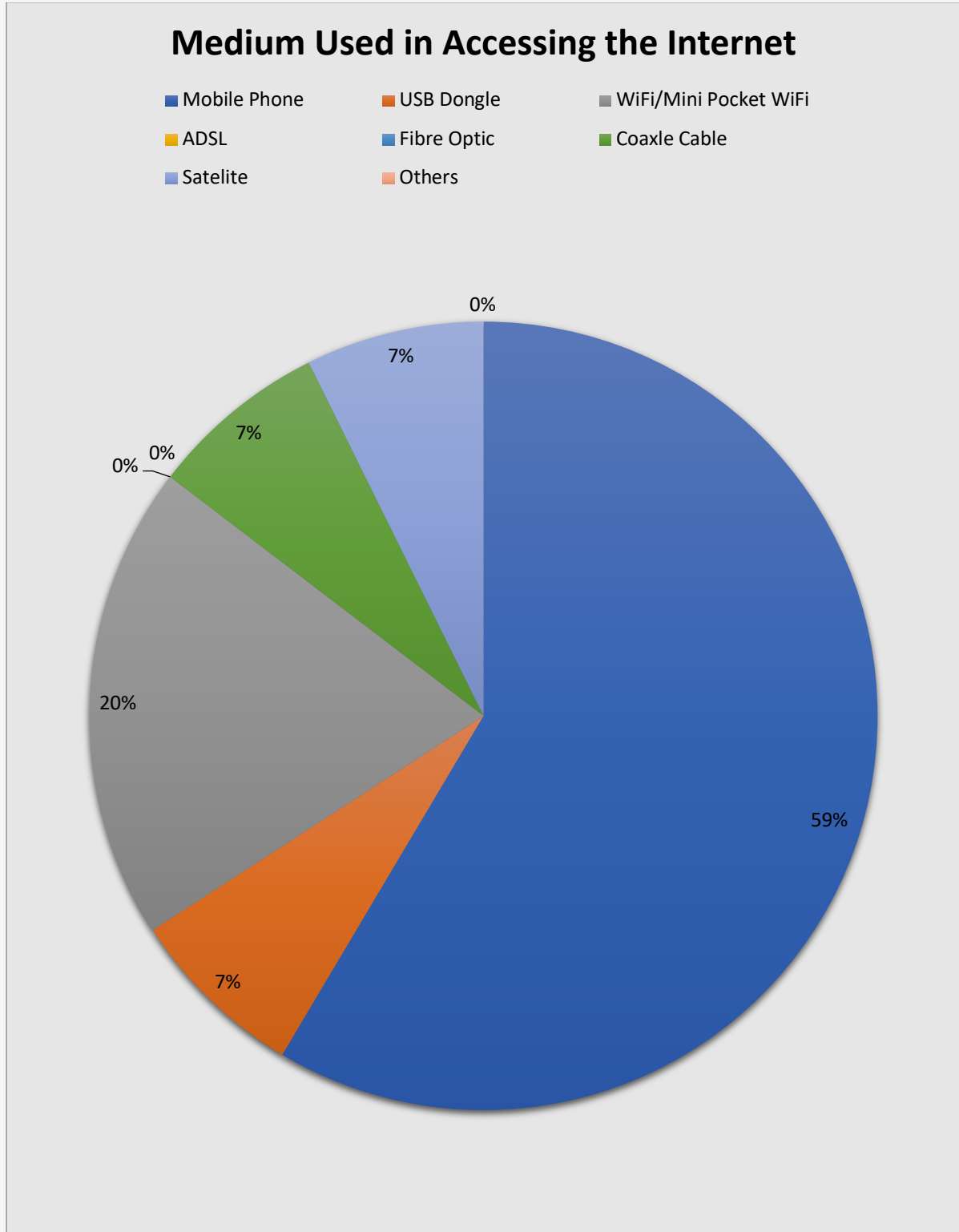
ENB:

- 31% of the participants in ENB provided their answer as *Mobile Phone,*
- 13% of the participants in ENB provided their answer as *Satellite,*
- 30% of the participants in ENB provided their answer as *WiFi/Mini Pocket WiFi.*
- While the remaining 26 % was spread across the other identified mediums.



WNB:

- 59% of the participants in WNB provided their answer as *Mobile Phone*,
- 20% of the participants in WNB provided their answer as *WiFi/Mini Pocket WiFi*,
- While the remaining 21 % was spread across the other identified mediums.



QUESTION 6: SHORT ANSWER; IF YOUR ANSWER IS OTHERS, PLEASE SPECIFY:

ENB:

- About 6% of the participants in ENB provided other identified medium and 94% did not provide any answer.

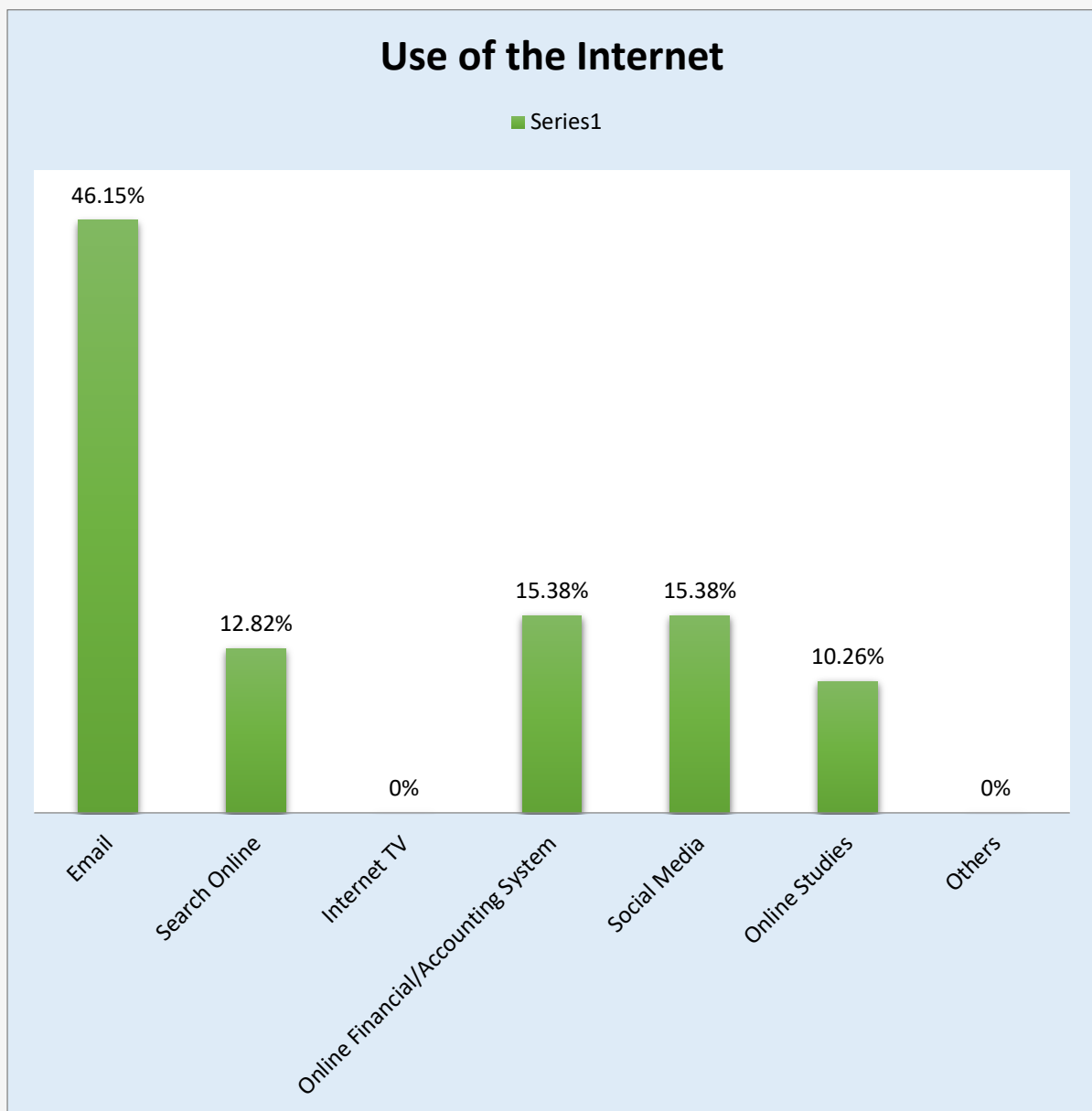
WNB:

- About 100% of the participants in WNB did not provide any answers.

QUESTION 7: WHY DO YOU USE THE INTERNET?

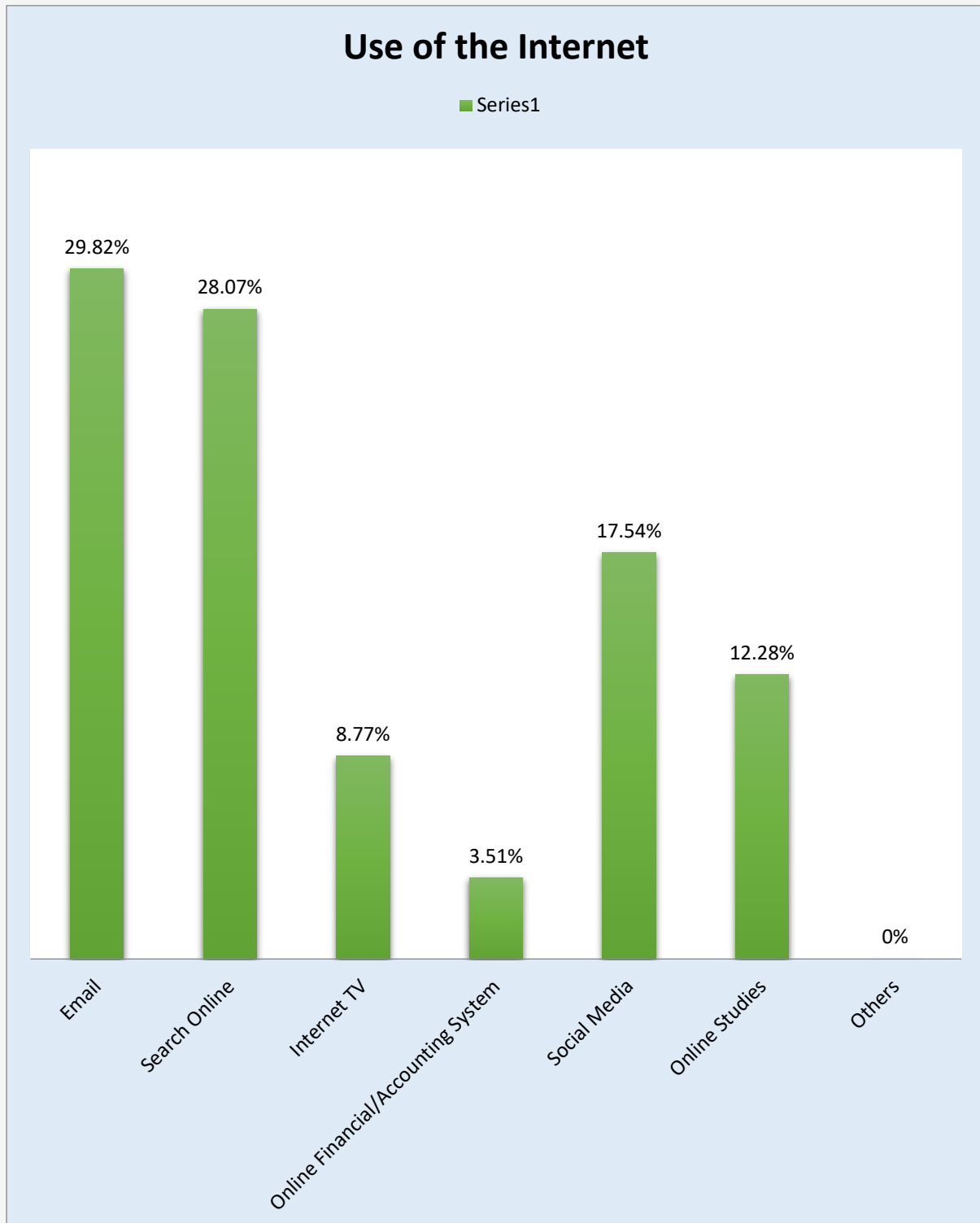
ENB:

- 46.15 % of the participants in ENB provided *Email* as their answer,
- While 15.38% was shared by Online and Social Media and the remaining made up the 23.09%.



WNB:

- 29.82% of the participants in WNB provided *Email* as their answer,
- 28.07% answered Search Online and 17.54% answered Social Media while the remaining takes up the 24.57%.



QUESTION 7: SHORT ANSWER; IF YOUR ANSWER IS OTHERS, PLEASE SPECIFY:

ENB:

- 94% of the participants in ENB did not provide any answer,
- 6% of the participants in ENB *identified the Other Usage*.

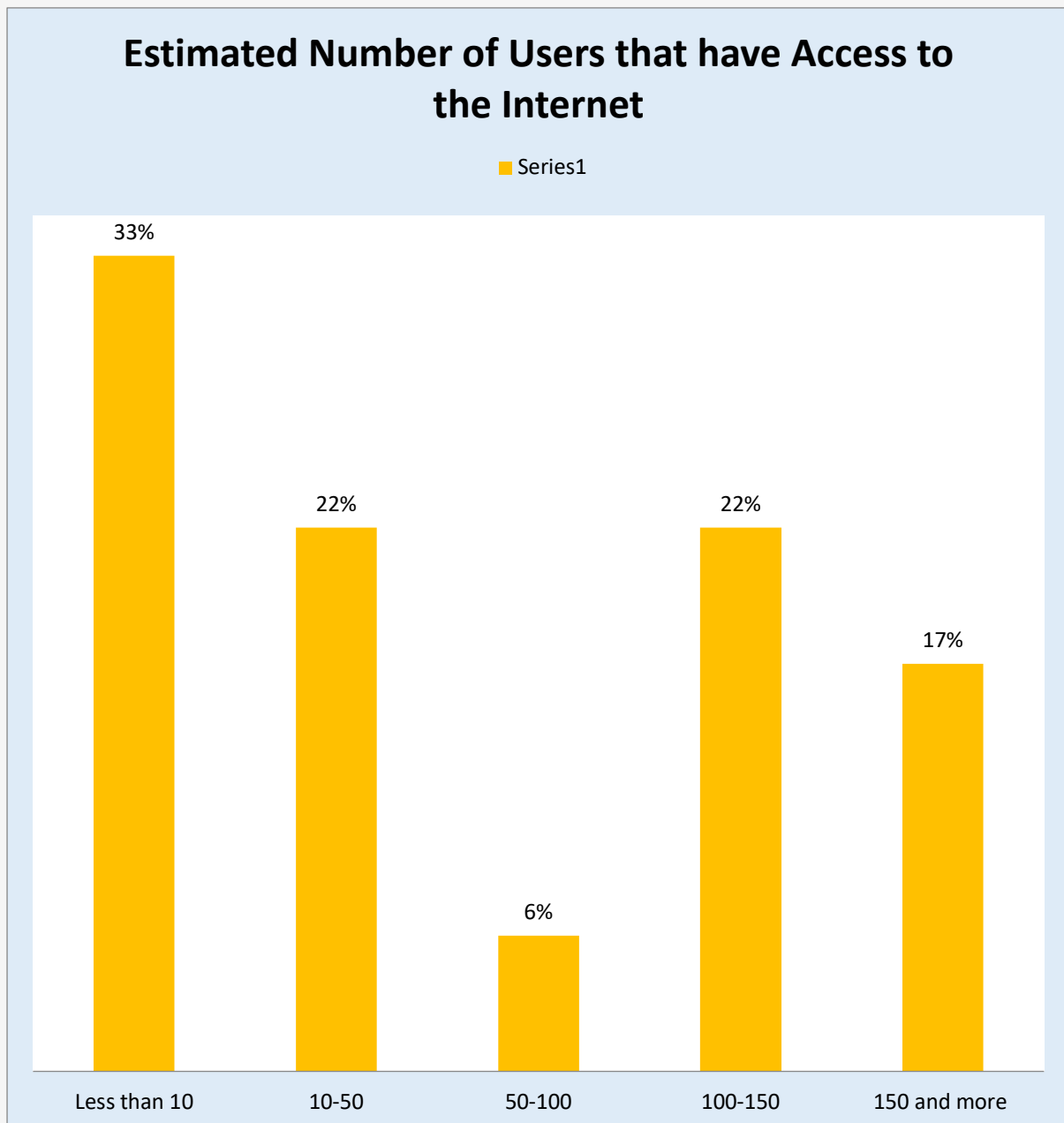
WNB:

- About 100% of the participants in WNB did not provide any answers.

QUESTION 8: WHAT WOULD BE THE ESTIMATED NUMBER OF USERS THAT HAVE ACCESS TO INTERNET WITHIN YOUR ORGANIZATION?

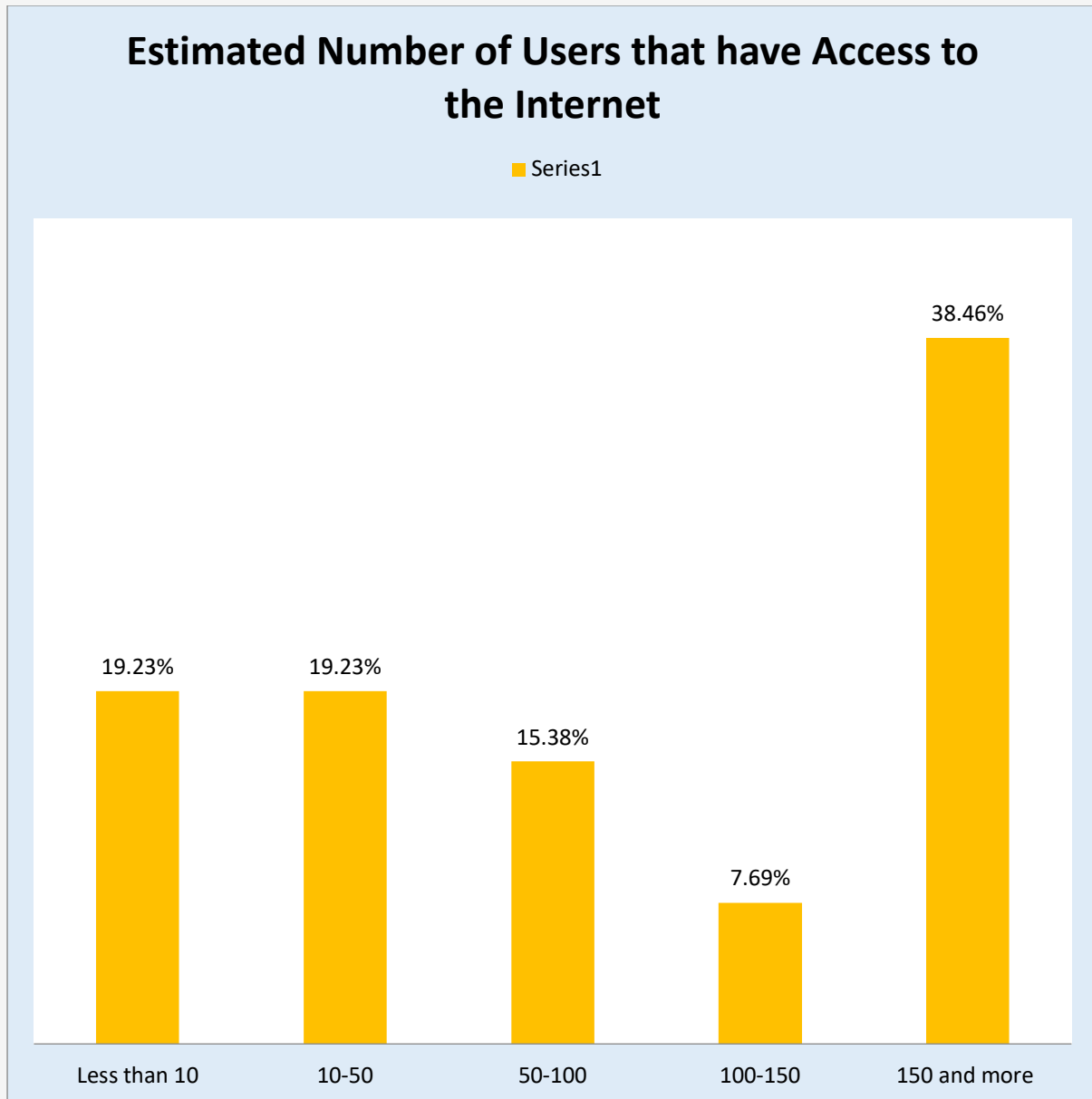
ENB:

- 33% of the participants in ENB provided *Less than 10* as their answer,
- User ranges from both 10-50 and 100-150 have 22%.



WNB:

- 38.46% of the participants in WNB provided *150 and More* as their answer,
- While 19.23 % was shared by *Less than 10* and *10-50*.



QUESTION 9: IF YOU WISH TO PROVIDE ANY ADDITIONAL INFORMATION THEN USE THE SPACE PROVIDED BELOW:

ENB:

- About 94% of the participants in ENB did not provide any answer *while* 6% of the participants in ENB provided *Additional Information*.

WNB:

- About 92% of the participants in WNB did not provide any answer while 8% of the participants in WNB provided *Additional Information*.

ATTACHMENT 3: HIGHLANDS REGION DATA

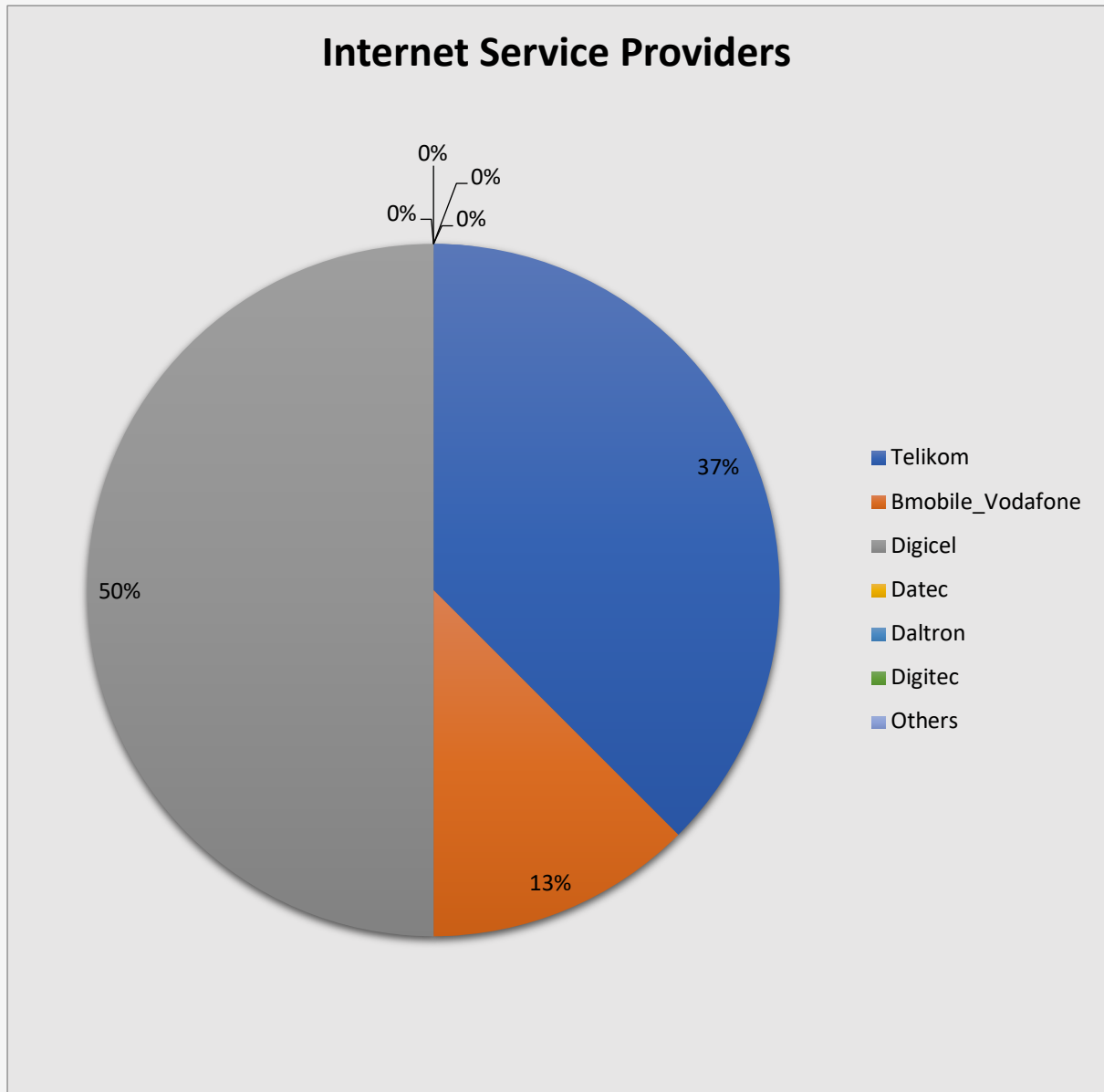
QUESTION 1: WHO IS YOUR INTERNET SERVICE PROVIDER?

Highlands Region:

13. Western Highlands Province
14. Jiwaka Province
15. Eastern Highlands Province (Not conducted)
16. Southern Highlands Province (Not conducted)
17. Enga Province (Not conducted)
18. Chimbu Province (Not conducted)

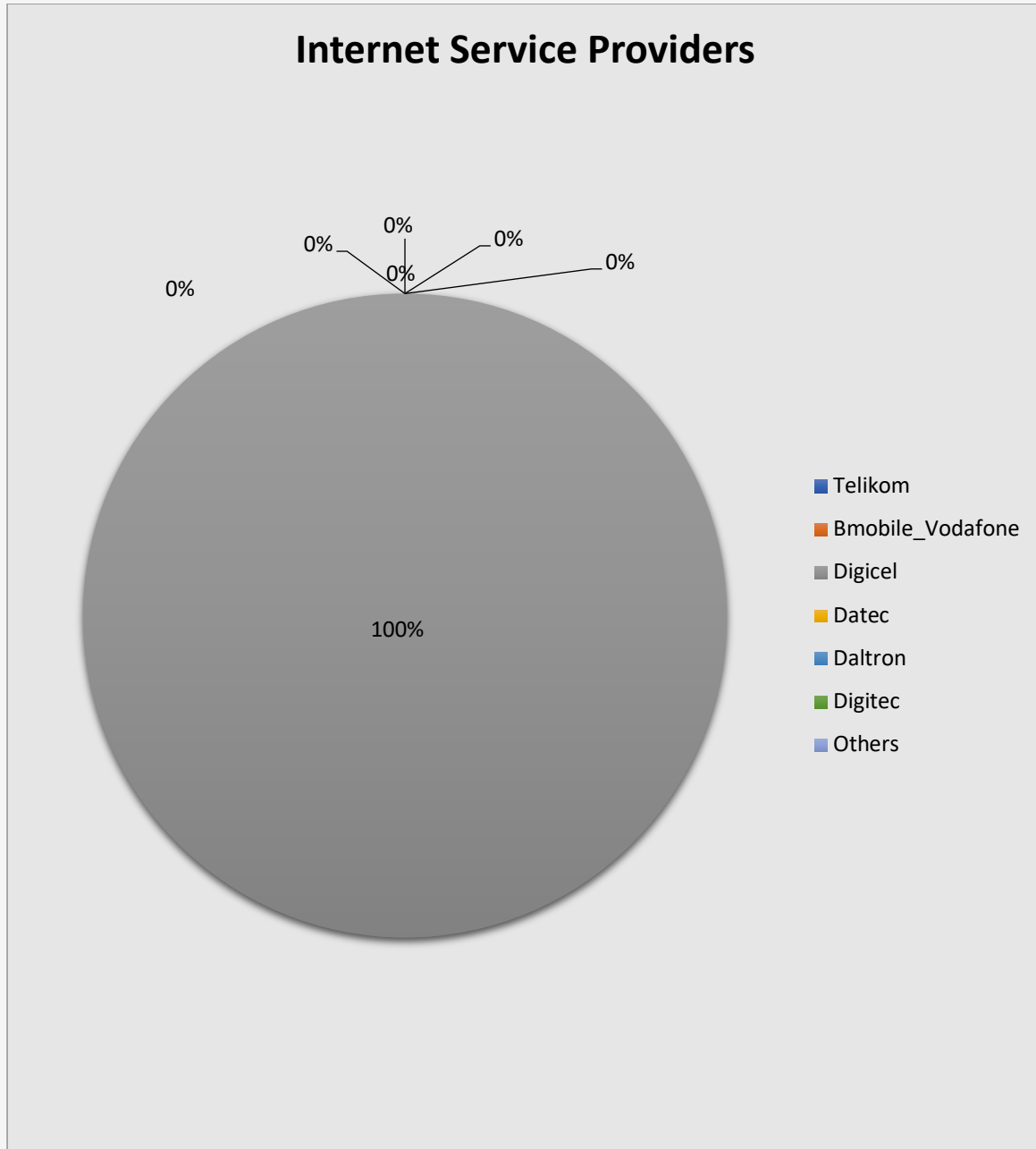
WHP

- Digicel is the major ISP player in WHP with 50% users and Telkom is the Secondary player with 37% while 13% is played by Bmobile_Vodafone.



JIWAKA:

- Digicel is the major ISP player in Jiwaka Province with 100% users and there are no other providers as per interviewed.



Regional Comparison:

- Major urban centres contain more ISP service providers operating either registered/not registered compared to small/rural centres in PNG.
- Small/rural centres likely to have illegal ISP operators due to isolation from government authority.

QUESTION 1 (SHORT ANSWER): QUESTION ON OTHER IDENTIFIED INTERNET SERVICE PROVIDERS;

WHP:

- 100% of the participants in WHP did not provide any answer.

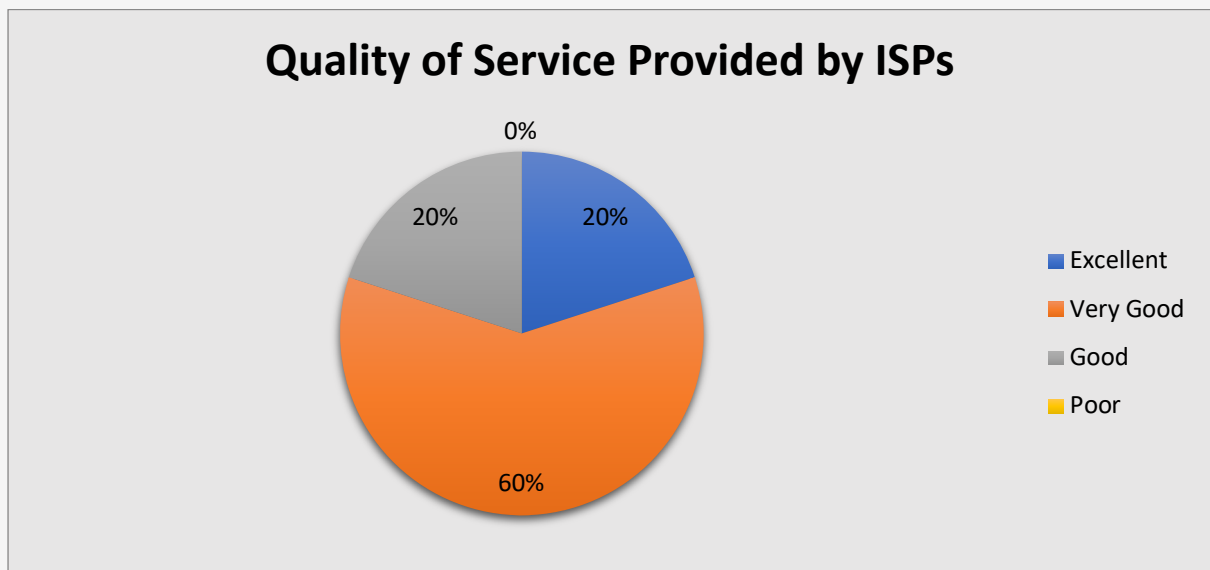
JIWAKA:

- 100% of the participants in Jiwaka Province did not provide any answer.

QUESTION 2: HOW EFFECTIVE IS THE QUALITY OF THE SERVICE PROVIDED BY YOUR ISP.

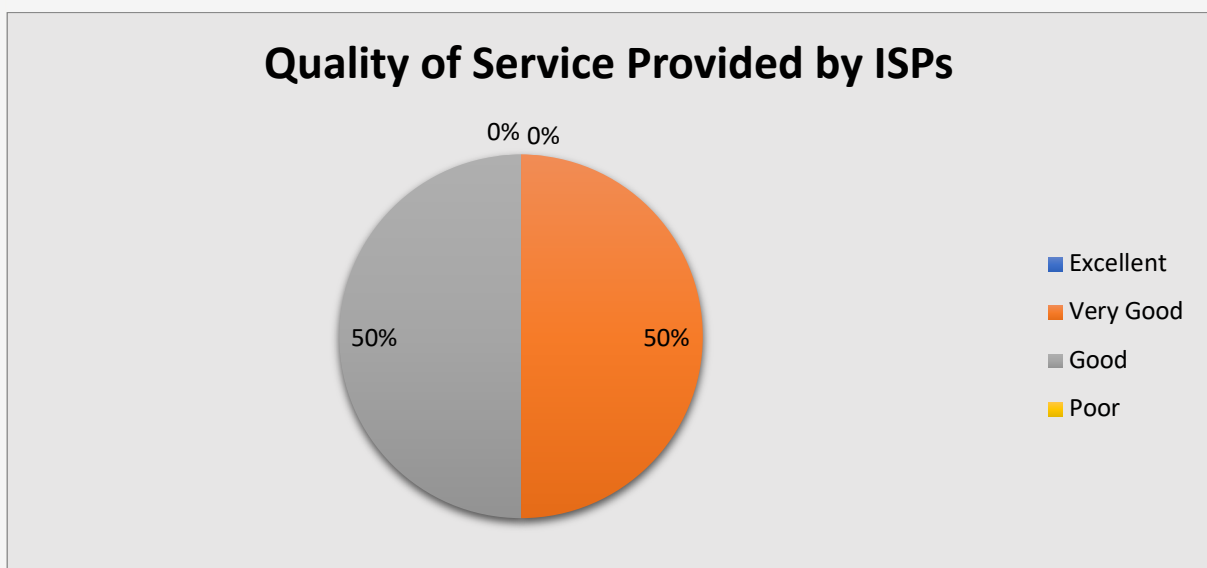
WHP:

- 60% of the participants in WHP answered very *good* for the quality of the service provided,
- Both the *Excellent* and *Good* have 20% users each and no one answered *Poor*.



JIWAKA:

- Both Excellent and Good have 50% users each in Jiwaka Province as answered by the participants.



QUESTION 2 (SHORT ANSWER): IF YOUR ANSWER IS POOR, PLEASE SPECIFY;

WHP:

- 100% of the participants in WHP did not provide any answers.

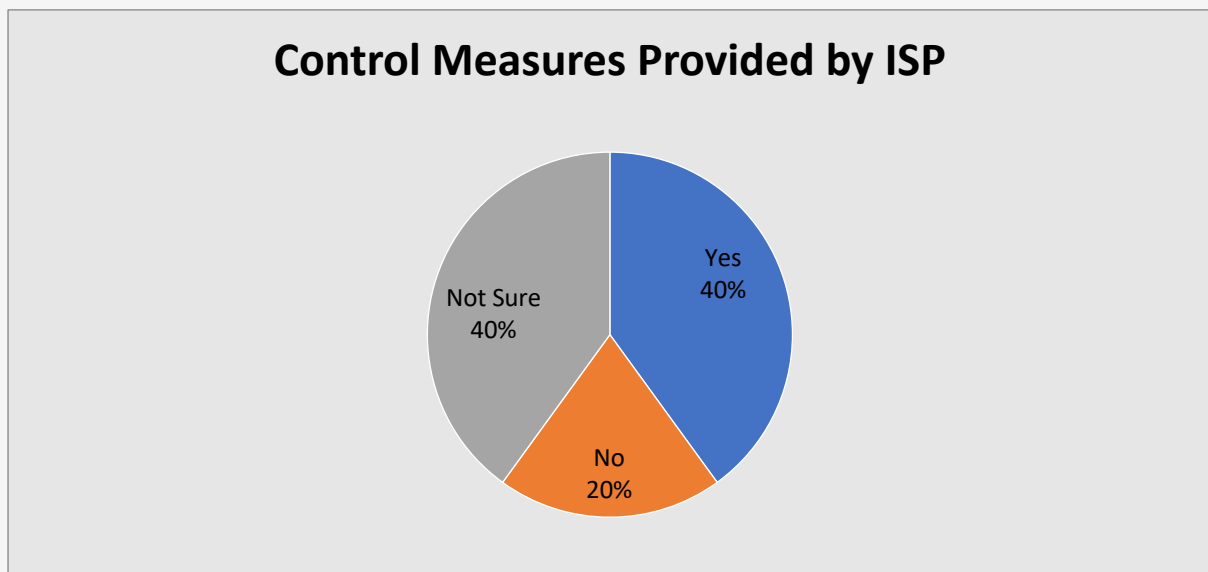
JIWAKA:

- 100% of the participants in Jiwaka did not provide any answers.

QUESTION 3: ARE THERE ANY CONTROL MEASURE PROVIDED BY YOUR ISP?

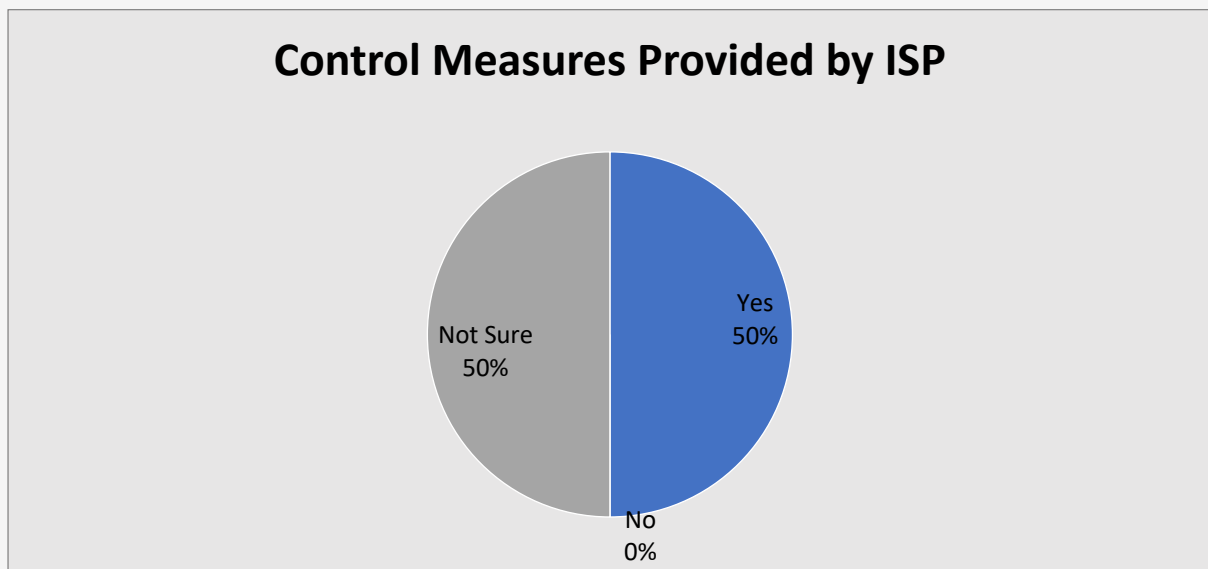
WHP:

- Both the *Not Sure* and *Yes* Responses have 40% each while 20% of the participants answered 20% for WHP.



JIWAKA:

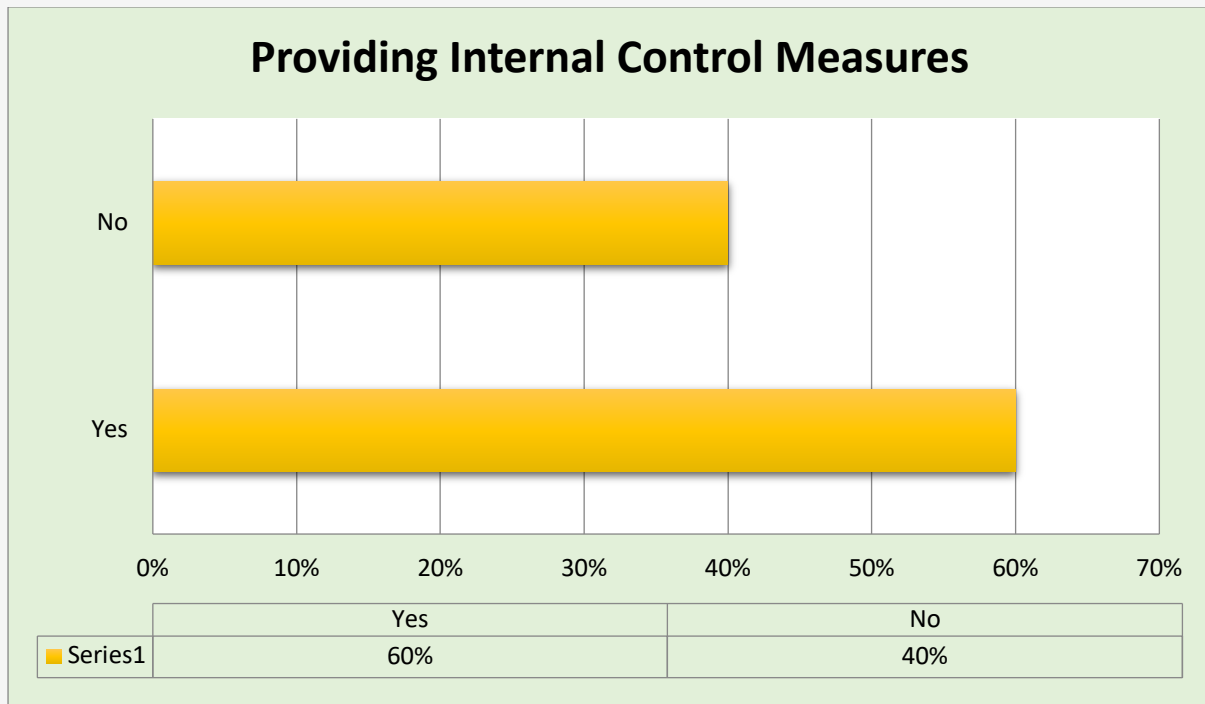
- Both the *Not Sure* and *Yes* have 50% each as answered by the participants in Jiwaka Province.



QUESTION 4: DO YOU HAVE YOUR OWN SET OF CONTROL MEASURES?

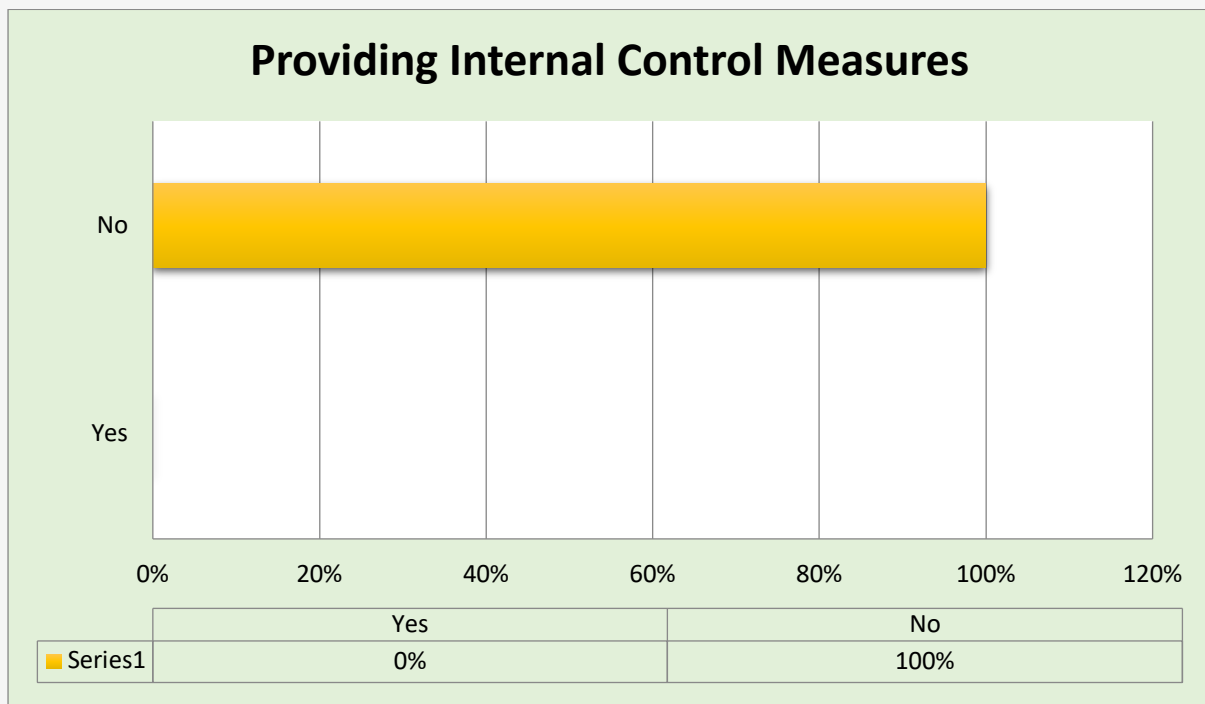
WHP:

- 60% of the participants answered Yes in WHP while 40% answered No.



JIWAKA:

- 100% of the participants in Jiwaka provided did not provide any answers.



QUESTION 4 (SHORT ANSWER): IF YOUR ANSWER IS YES, PLEASE SPECIFY;

WHP:

100% of the participants in WHP provide *Not Specified* answers.

JIWAKA:

100% of the participants in Jiwaka Province provide *Not Specified* answers.

QUESTION 4: SHORT ANSWER2: PROVIDE SHORT ANSWERS FOR OTHER FIREWALL DEVICES AND OR METHODS

WHP:

- 100% of the participants in WHP did not provide any answer.

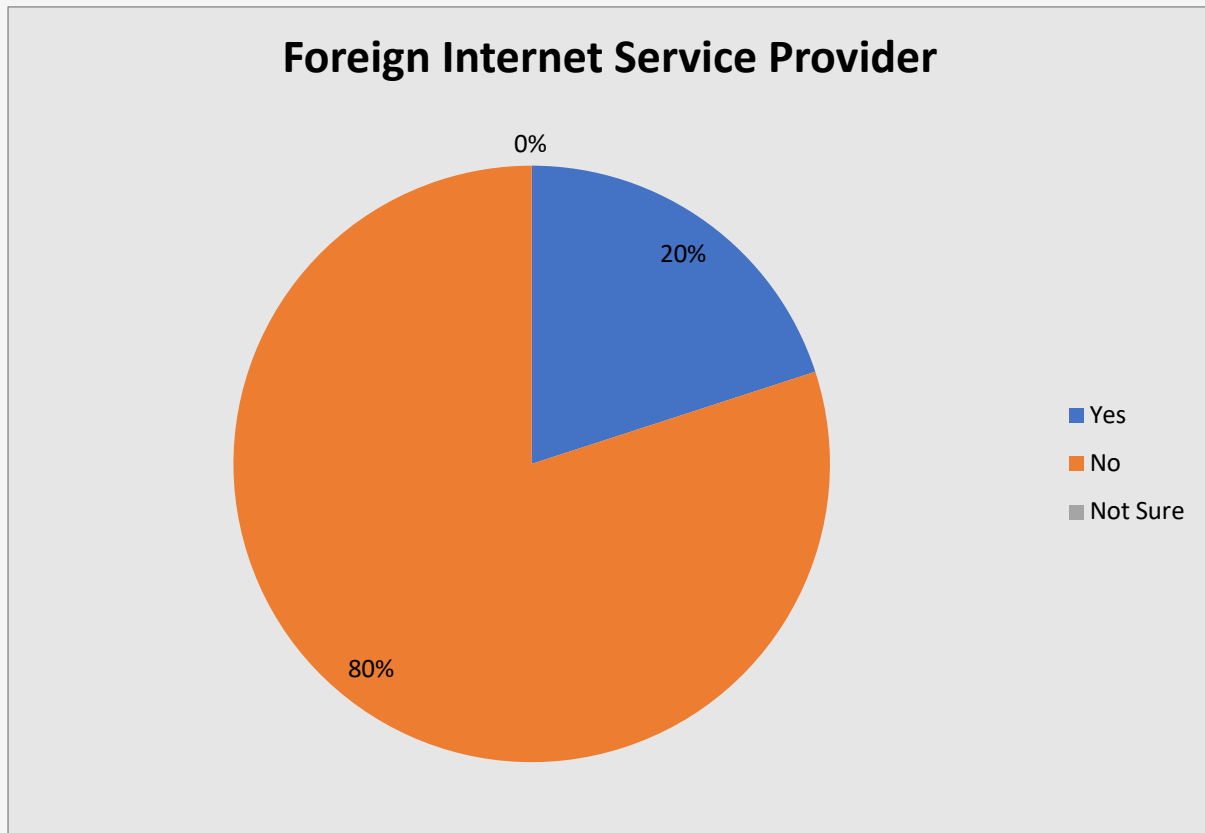
JIWAKA:

- 100% of the participants in Jiwaka Province did not provide any answer.

QUESTION 5: DO YOU KNOW OF ANY FOREIGN COMPANY (ISP) PROVIDING INTERNET SERVICES IN YOUR PROVINCE?

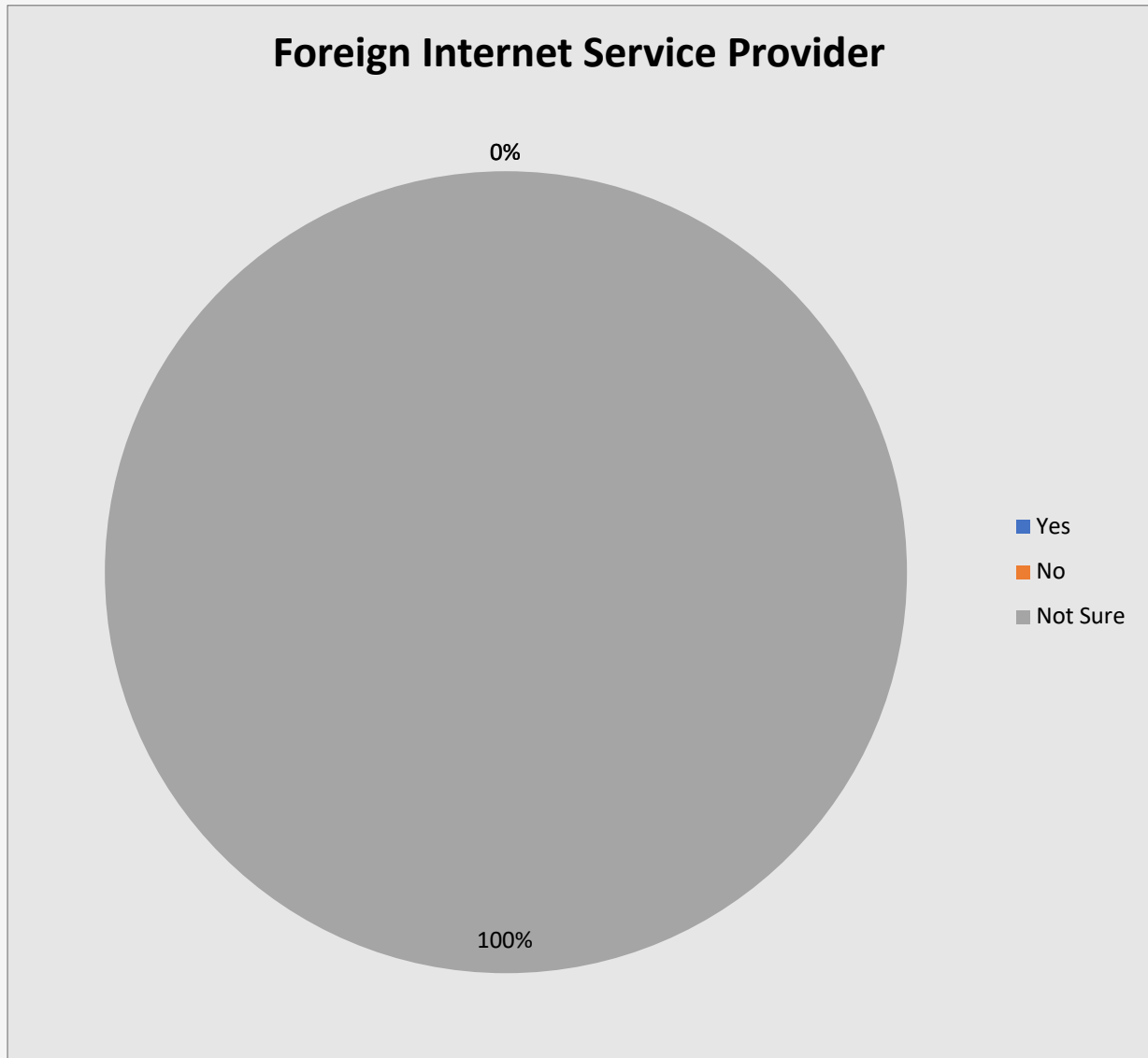
WHP:

- 80% of the participants in WHP answered *No* while 20% answered *Yes* for knowing of foreign ISP operating in the province.



JIWAKA:

- 100% of the participants in Jiwaka answered Yes for knowing of any foreign ISP operating in the province.



QUESTION 5: Short Answer; If your answer is Yes, Please specify:

WHP:

- 100% of the participants in WHP did not provide any answer.

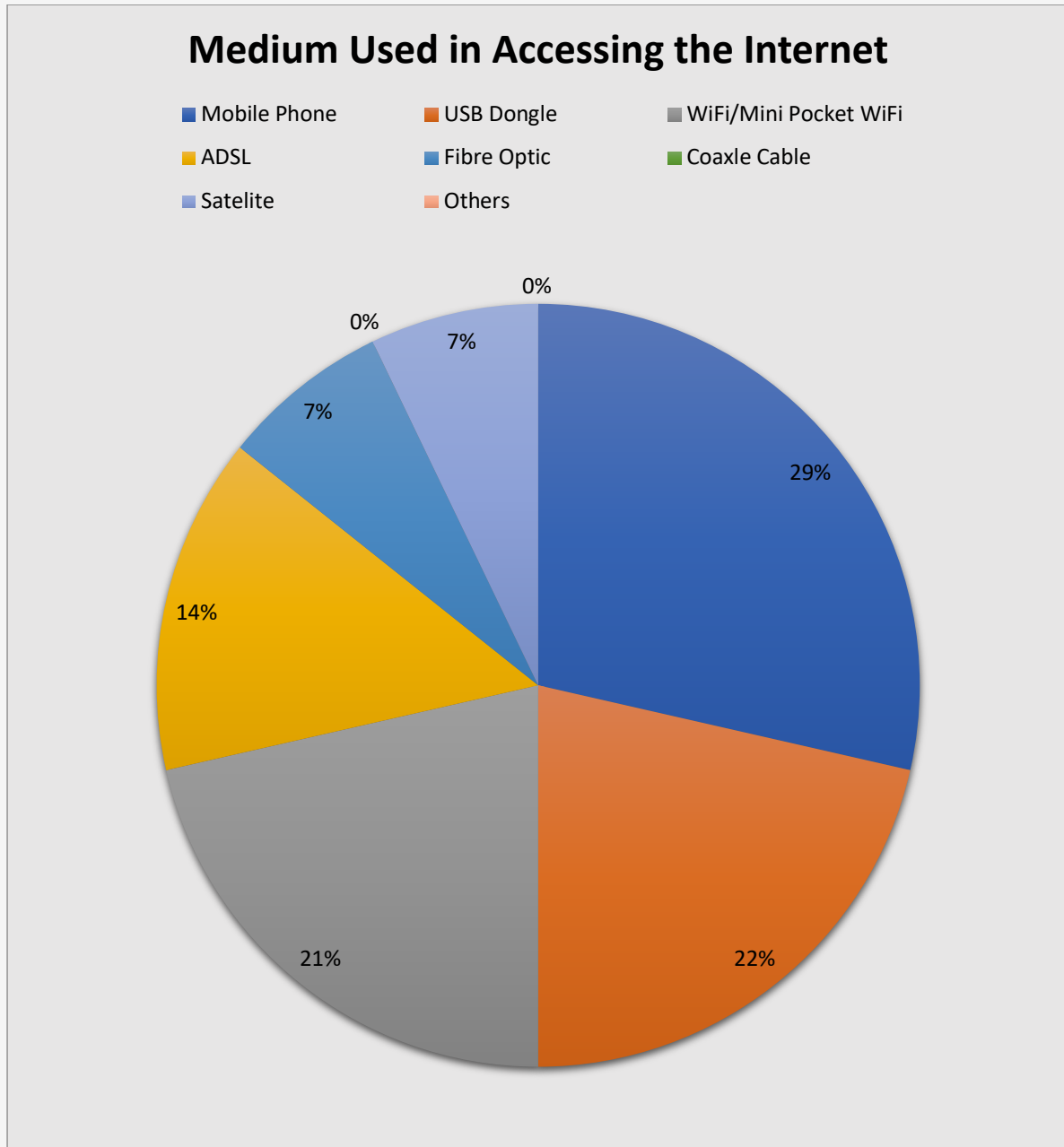
JIWAKA:

- 100% of the participants in Jiwaka Province did not provide any answer.

QUESTION 6: What type of medium do you use to access Internet?

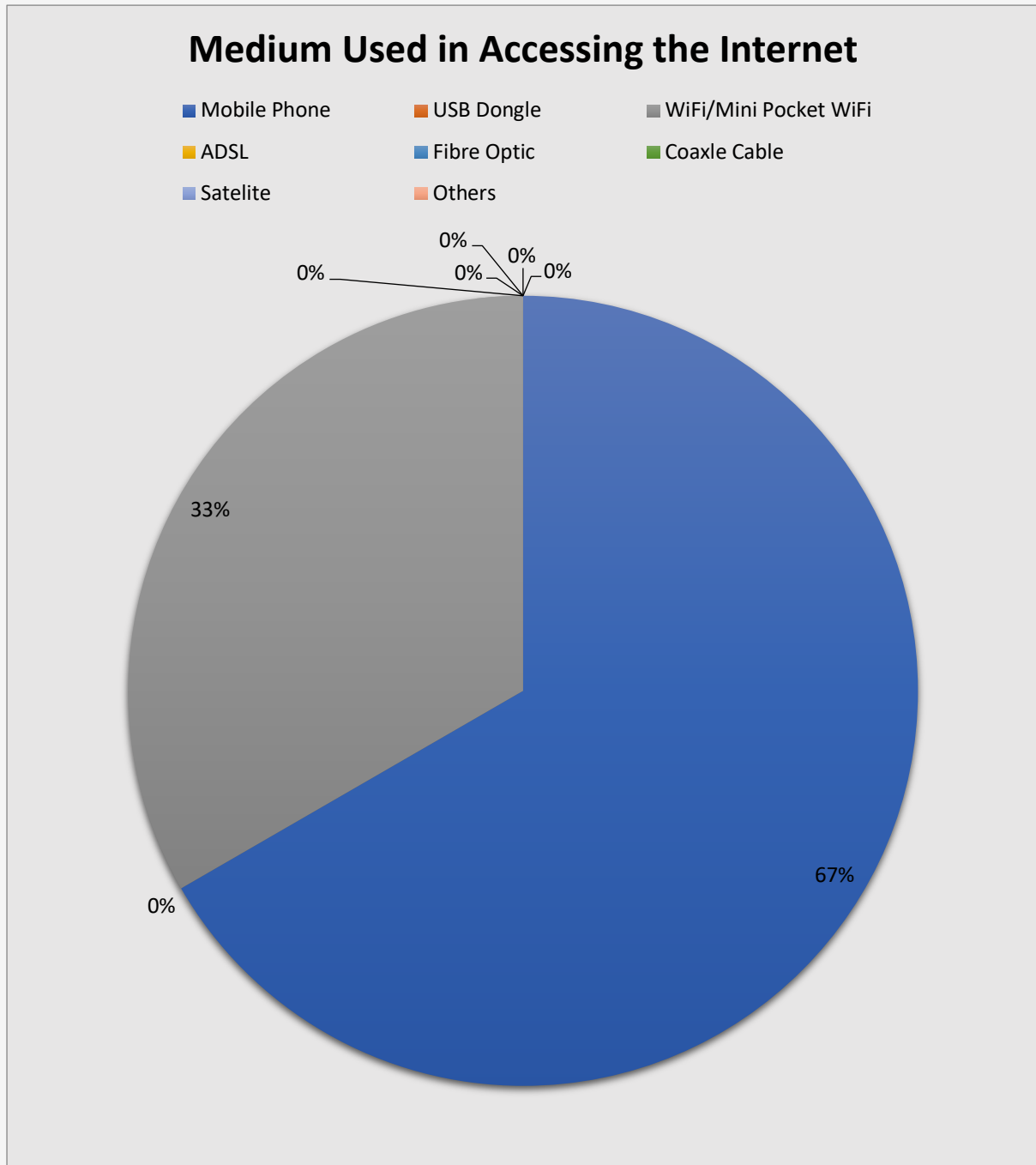
WHP:

- 29% of the participants in WHP provided their answer as *Mobile Phone*,
- 22% of the participants in WHP provided their answer as *USB Dongle*,
- 21% of the participants in WHP provided their answer as *WiFi/Mini Pocket WiFi*,
- While the remaining 28% was spread across the other identified mediums.



JIWAKA:

- 67% of the participants in Jiwaka provided their answer as *Mobile Phone* while 33% provided their answer as *WiFi/Mini Pocket WiFi*.



QUESTION 6: SHORT ANSWER; IF YOUR ANSWER IS OTHERS, PLEASE SPECIFY:

WHP:

- 100% of the participants in WHP did not provide any answer.

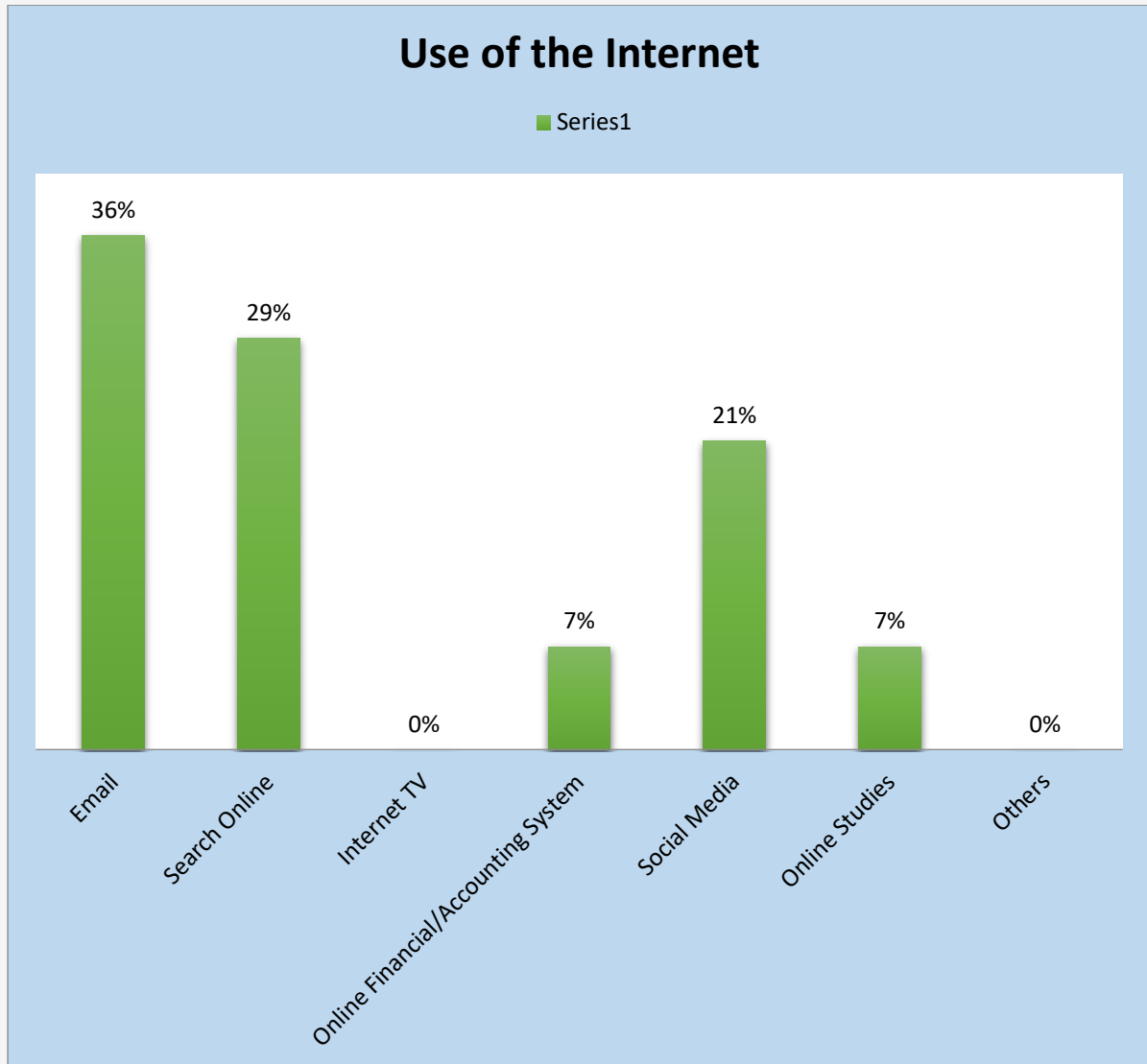
JIWAKA:

- 100% of the participants in Jiwaka Province did not provide any answer.

QUESTION 7: WHY DO YOU USE THE INTERNET?

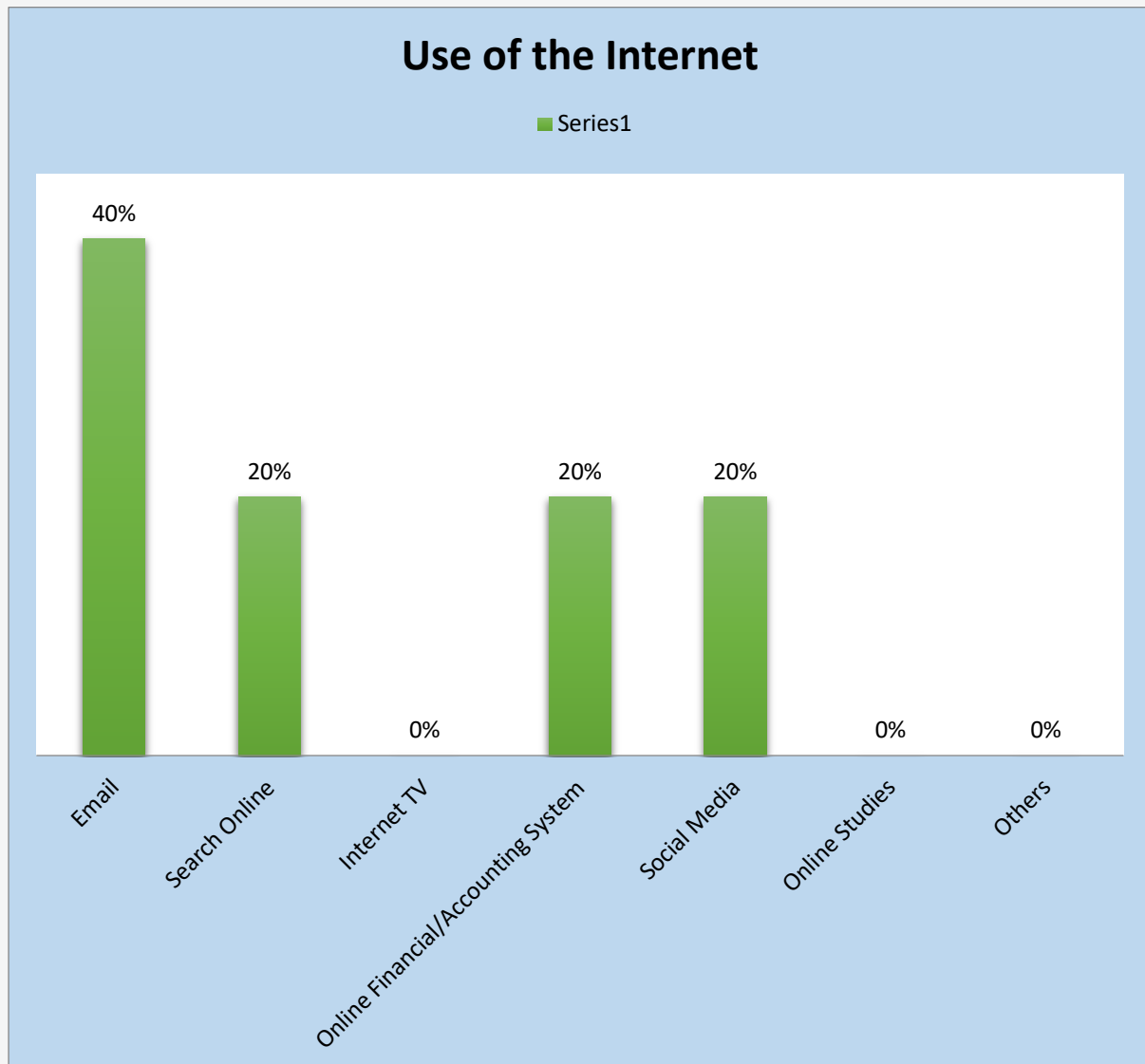
WHP:

- 36% of the participants in WHP provided *Email* as their answer,
- While the other 29% of the participants in WHP provided the answers as *Search Online*,
- 21% of the participants in WHP provided *Social Media*,
- While the remaining 14% was spread across the other users.



JIWAKA:

- 40% of the participants in Jiwaka provided *Email* as their answer.
- While *Online Search*, *Online Financial and Accounting System* and *Social Media* have 20% each.



QUESTION 7: SHORT ANSWER; IF YOUR ANSWER IS OTHERS, PLEASE SPECIFY:

WHP:

- 100% of the participants in WHP did not provide any answer.

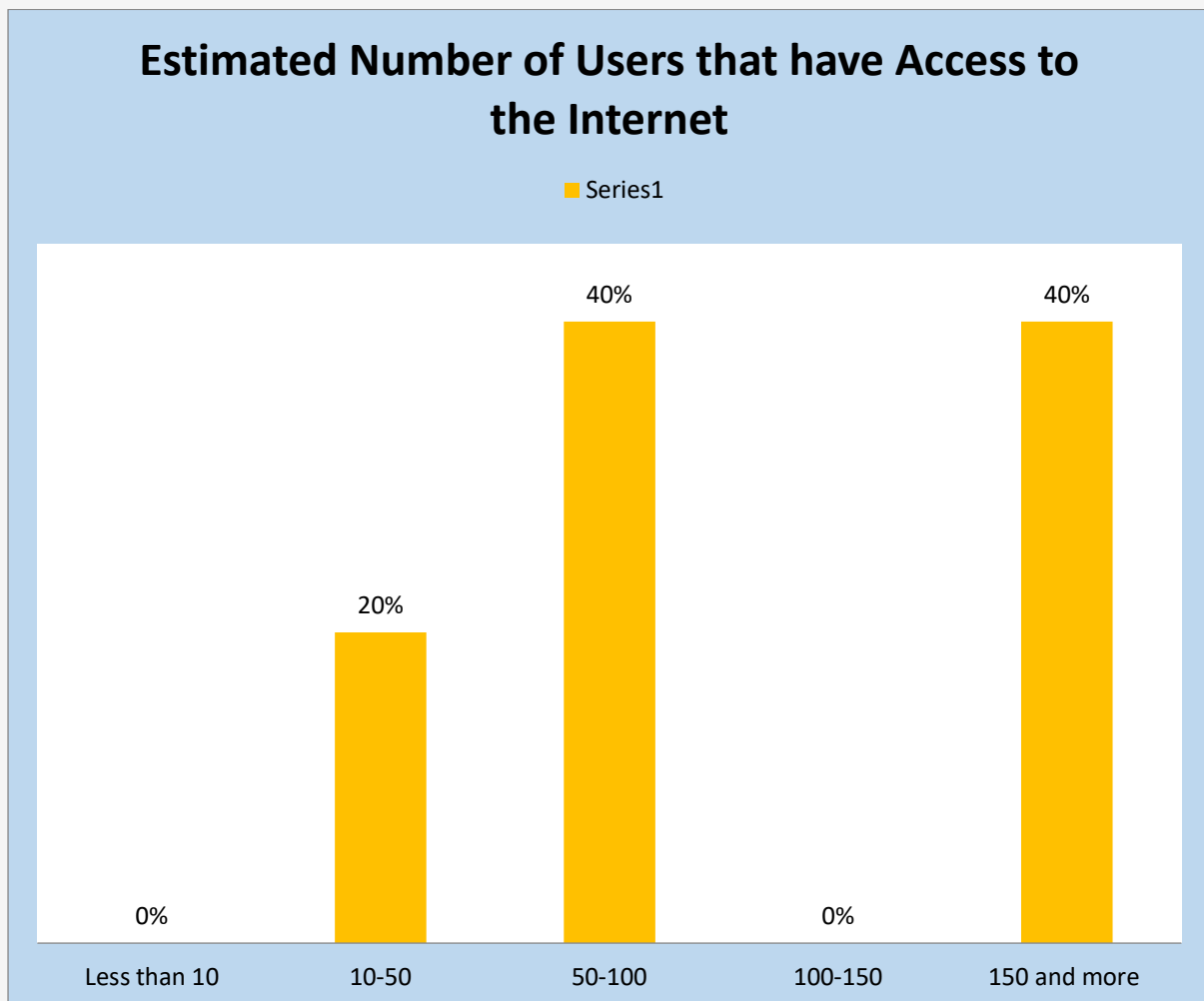
JIWAKA:

- 100% of the participants in Jiwaka Province did not provide any answer.

QUESTION 8: WHAT WOULD BE THE ESTIMATED NUMBER OF USERS THAT HAVE ACCESS TO INTERNET WITHIN YOUR ORGANIZATION?

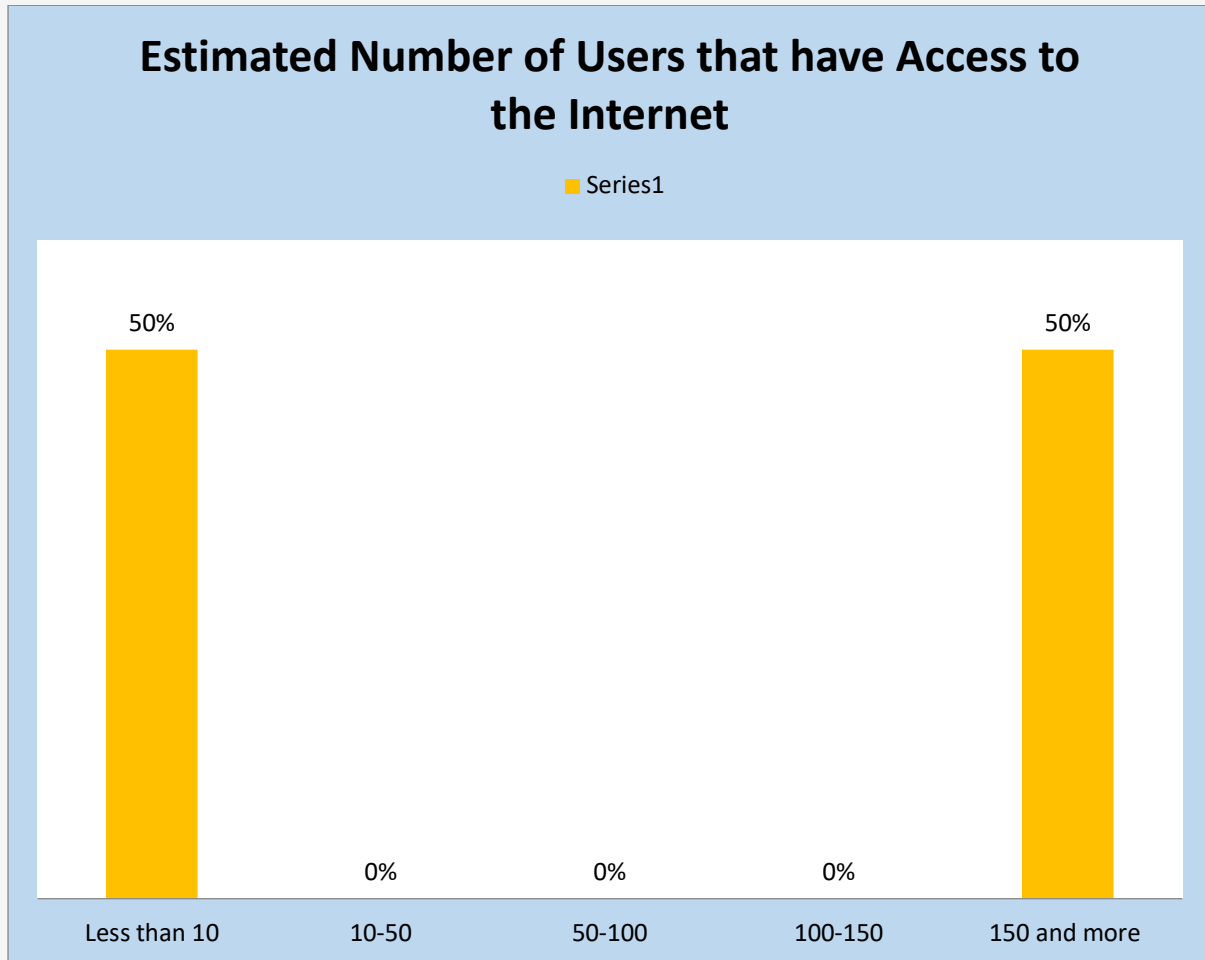
WHP:

- Both 50-100 and 150 and more have 40% each as answered by the participants in WHP while 10-50 have 20%.



JIWAKA:

- Both *Less than 10* and *150 and More* have 50% each answered by the participants in Jiwaka.



QUESTION 9: IF YOU WISH TO PROVIDE ANY ADDITIONAL INFORMATION THEN USE THE SPACE PROVIDED BELOW:

WHP:

- 40% of the participants in WHP did not provide any answers while 60% provided Additional Information.

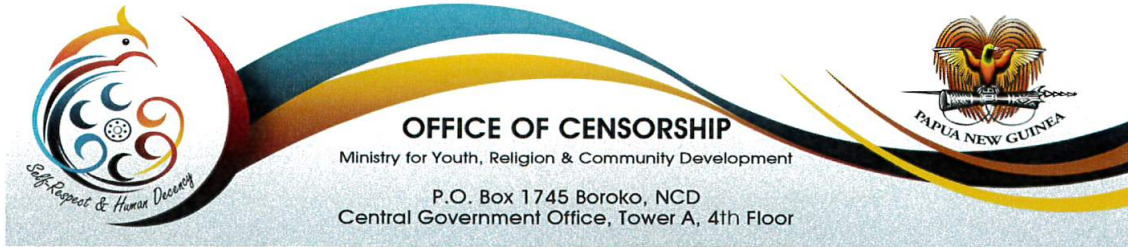
JIWAKA:

- Both Additional Information and Nil answers have 50% each as answered by the participants in Jiwaka.

Form V1.2

Email

Print



Before attempting to answer questions on the following page we would like you to provide your contact details for future references. You can be assured that all information gathered from this survey will be kept confidential as it will be used for research purposes.

Name:

Designation:

Organisation:

Public Sector Private Sector

Urban Rural

Address:

Phone:

Email:

Thank you for participating.

Ph: 323 5154 / 3231456 Fax: 325 0488 Website: www.censorship.gov.pg

Questionnaire on Internet Control Measures

Target Groups: Internet Users

1) Who is your Internet Service Provider?

Please specify:

2) Are there any control measures provided by your ISP?

Yes

No

3) Do you have your own internal set of control measures? (If your answer is Yes, please proceed to answering Question 4)

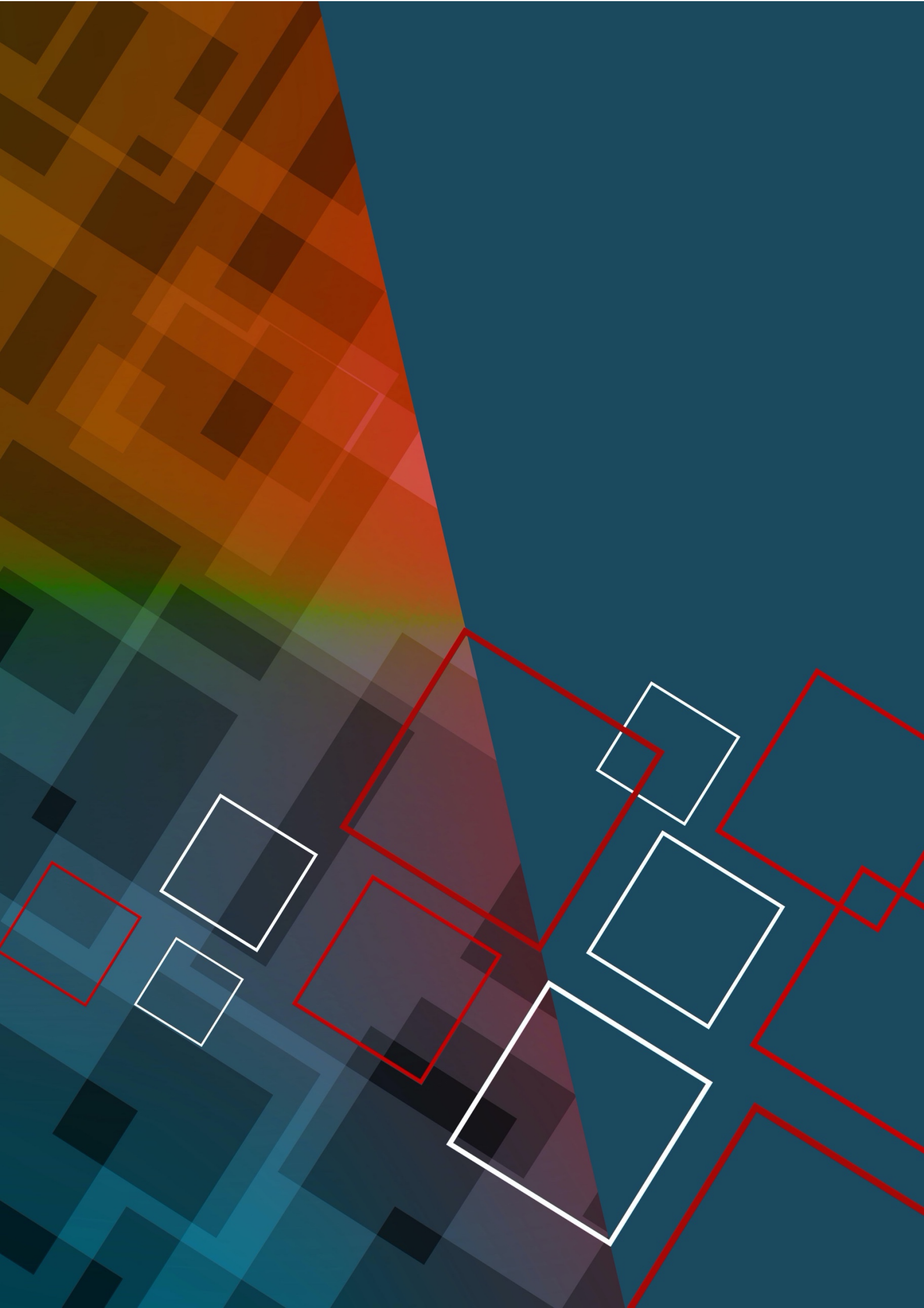
Yes

No

4) Specify your own internal set of control measures?

Please specify:

5) If you wish to provide any additional information, then use the space provided below: (Optional)





OFFICE OF CENSORSHIP

ISP DATA SUMMARY 2022

KOKOPO ISP SURVEY 2022

| INTERNET SERVICE PROVIDER (ISP) DATA – KOKOPO, EAST NEW BRITAIN | | | | | |
|---|------------------------------|--|--|---|---|
| ORGANIZATION | Q1: Who is your ISP? | Q2: Are there any control measures provided by your ISP? | Q3: Are there any internal control measures set up by your organization? | Q4: What type of medium do you use to access the internet? | Q5: Why do you use the internet? |
| 1. PNG Ports Corporation – Rabaul Port | Telikom, Digicel, PNG Dataco | No | Yes | Mobile Phone Wifi Digicel LAN Router | Work email and Communication, Video Conf, Online Socials, Streaming media, Online Tools, Reading, Downloading Data, Online games, Research, Online Shopping |
| 2. NGIP Agmark | Telikom Digicel | No | Yes | Mobile Phone Wifi | Work email and communication, Online Social networking, Reading, Downloading Data, Research and Information |
| 3. PNG UNRE | Telikom | Yes | Yes | Mobile Phone Dongle | Work email and communication, Video conferencing, Online Social networking, Streaming Media, Research and Information, Online Shopping |
| 4. Kokopo Microfinance | Telikom Digicel | Yes | Yes | Wifi | Work email and communication, Online Social networking, Reading, Downloading data, Research and Information |
| 5. East New Britain Provincial Administration | Telikom | Yes | Yes | Mobile Phone Wifi Fibre Optic Cable | Work email and communication, Cloud services, online social networking, Online studying, Reading, Downloading data, Research and Information |
| 6. ENBP National Functions | Vodafone Digicel | No | No | Mobile Phone | Work email and communication, streaming media, Reading, Downloading data, Playing online games, Research and Information, Commentary |
| 7. Vunamami Farmer's Training Centre | Telikom Digicel | No | No | Mobile Phone | Work email and communication, Online social networking, Reading, Downloading data, Research and Information |
| 8. Padi Limited | Telikom Digicel | No | No | Mobile Phone USB Dongle Digicel Lan router | Work email and communication, Video conferencing, Online social networking, Streaming media, Online tools, Online studying, Reading, Downloading data, Research and Information, Online Shopping |
| 9. SME Table Mama | Telikom Digicel | No | No | Mobile Phone | Work email and communication, Online social networking, Reading, Downloading data, Research and Information |
| 10. Nambawan Super Limited | Digicel | Yes | Yes | Mobile Phone USB Dongle Wifi ADSL Fibre Optic Cable Coaxial Cable Working Desktop LAN server | Work email and communication, Video conferencing, Online social networking, Streaming media, Online tools, Online studying, Reading, Downloading data, Playing online games, Research and Information, Commentary and Recording |

| | | | | | |
|--|------------------|-----|-----|------------------------------|---|
| 11. PNG Electoral Commission | Telikom Digicel | No | Yes | Mobile Phone LAN Server | Work email and communication, Video Conferencing, Cloud services, Online social networking, Streaming media, Online tools, Reading, Downloading data, Research and Information |
| 12. Skowhegan Kokopo | Telikom | Yes | Yes | Mobile Phone USB Dongle | Work email and communication, Online studying, Reading, Research and Information |
| 13. Department of PM & NEC, Ministerial Services | Telikom Digicel | No | No | Mobile Phone | Work email and communication, Online social networking, Online studying, Reading, Research and Information |
| 14. Warakindam North Baining (SME) | Telikom | No | No | Mobile Phone USB Dongle Wifi | Work email and communication, Video Conferencing, Cloud services, Online social networking, Streaming media, Online tools, Reading, downloading data, Playing online games, Research and Information, Online shopping |
| 15. Frangipani Printing Solutions | Telikom Digicel | No | No | Mobile Phone ADSL | Work email and communication |
| 16. RabTrad Limited | Vodafone Digicel | No | Yes | Mobile Phone | Work email and communication, Online social networking |
| 17. Division of Education | Vodafone Digicel | No | No | Mobile Phone | Work email and communication, Online social networking, Online studying, Downloading data, Research and information |
| 18. Mapex Training Institute | Telikom | No | Yes | Mobile Phone | Work email and communication, Online social networking, Online studying, Downloading data |
| 19. Gazelle District MP's Office | Vodafone Digicel | No | No | Mobile Phone | Work email and communication, Video Conferencing, Online social networking, streaming media, Reading, Downloading data, Research and Information |
| 20. ENB Provincial Treasury | Telikom Digicel | No | Yes | Mobile Phone ADSL | Work email and communication, Video conferencing, Online social networking, Reading, Downloading data, Research and Information, |
| 21. Vunamami Vocational School | Telikom Digicel | No | Yes | Mobile Phone | Work email and communication, online social networking, Online studying, Reading, Downloading data, |
| 22. SME Owner | Telikom | No | No | Mobile Phone | Video Conferencing, Online social networking |
| 23. ENB Administration Media Unit | Vodafone Digicel | Yes | No | Mobile Phone | Work email and communication, Online social networking, Reading, Research and Information |
| 24. Kokopo Secondary School | Vodafone | No | Yes | Mobile Phone | Work email and Communication, Reading, Research and information |
| 25. NBC Newsroom (RENB) | Vodafone | No | No | Mobile Phone Wifi | Work email and communication, Cloud services, online social networking, Online tools, Blogging, Reading, Downloading data, Research and information, Online shopping, Commentary and Recording |
| 26. Watwat Trading, Bitapaka | Digicel | No | No | Mobile Phone | Work email and communication, Online social networking, Downloading data, Playing online games, Online shopping |

| | | | | | |
|--|--------------------------------|-----|-----|---|--|
| 27. Air Niugini Kokopo | Telikom Digicel | No | Yes | Mobile Phone Wifi ADSL Working Desktop Mobile Phone | Work email and communication, Streaming media, Research and Information, Commentary and recording |
| 28. RAM (Rotary Against Malaria) | Telikom Digicel | No | Yes | Mobile Phone | Work email and communication |
| 29. Seeto Kui | Telikom Vodafone Digicel | Yes | No | Mobile Phone Wifi | Work email and communication, Online social networking, Reading, Research and Information, Commentary and recording |
| 30. Kokopo Vunamami Urban Local Level Government | Telikom Digicel | No | No | Mobile Phone Wifi LAN Server | Work email and communication, Cloud services, Online social networking, Online tools, Blogging, Online studying, Reading, Downloading data, Research and information |
| 31. Asia Pacific Solutions Agency | Telikom Digicel | No | No | Mobile Phone | Work email and communication, Video conferencing, Online social networking, streaming media, Reading, Downloading media, Research and information, Online shopping, |
| 32. Kada Poroman Microfinance | Digicel | Yes | Yes | Mobile Phone Wifi Digicel LAN router | Work email and communication, Video conferencing, Cloud services, Online social networking, Streaming media, Online tools, studying online, Downloading data, Research and information, Online shopping |
| 33. Gazelle International Hotel | Digicel PNG Dataco | No | Yes | Fibre Optic Cable, Digicel LAN router, | Work email and communication, Video conferencing, Online social networking, streaming media, Reading, Downloading data, Research and information |
| 34. Rags Trading Kokopo | Digicel | No | No | Mobile Phone | Work email and communication, Online social networking, Downloading data, Research and information |
| 35. Standard Hire Car Kokopo | PNG Dataco | No | Yes | Mobile Phone, USB Dongle, Wifi, | Work email and communication, Video conferencing, Cloud services |
| 36. Radio ENB Programs | Telikom Vodafone | No | No | Mobile Phone | Work email and communication, Video conferencing, Cloud services, Online social networking, Streaming media, Online tools, Online studying, Reading, Research and information, Online shopping, Commentary and recording |
| 37. Jacks Kokopo | Vodafone Digicel | No | No | Mobile Phone Wifi | Work email and communication, Online social networking |
| 38. Capital Insurance Group | Digicel APCS | Yes | No | Mobile Phone Wifi | Work email and communication, Video Conferencing, Cloud services, Research and Information |
| 39. BSP Life | Telikom Digicel | No | Yes | Mobile Phone LAN Server | Work email and communication, Online social networking, Streaming media, Reading, Downloading data, Research and Information |

| | | | | | |
|---|--|-----|-----|---|--|
| 40. BSP | Vodafone Digicel | No | Yes | Mobile Phone, LAN Server | Work email and communication, Video Conferencing, Reading, Downloading data, Research and Information |
| 41. Student (Kokopo Secondary School) | Vodafone | No | No | Mobile Phone | Online Social networking, Reading, Downloading data, Research and Information |
| 42. RENB | Telikom Digicel | No | No | Mobile Phone | Work email and communication, Cloud services, Online social networking, Streaming media, Online tools, Reading, downloading data, Playing online games, Research and information, Satellite location, Commentary and Recording |
| 43. RENB | Telikom | No | No | Mobile Phone, ADSL | Work email and communication, Reading, Research and Information |
| 44. RENB | Telikom Vodafone Digicel PNG Dataco | No | No | Mobile Phone Wifi Fibre Optic Cable | Work email and communication, Video Conferencing, Streaming media, Reading, Downloading data, Research and Information |
| 45. PNG Tour Guides | Telikom, Vodafone, Digicel | No | No | Mobile Phone | Work email and communication, Online social networking, Downloading data, Research and information, Online Shopping |
| 46. Kokopo Beach Bungalow Resort | Telikom | No | No | Mobile Phone Wifi Working Desktop | Work email and communication, Video Conferencing, Cloud Services, Research and Information |
| 47. Ralum Country Club | PNG Dataco | No | No | Mobile Phone Wifi Working Desktop | Work email and communication, Reading, |
| 48. Kokopo Village Resort | Digicel | Yes | No | Mobile Phone Working Desktop | Work email and communication, Online social networking, Streaming media, Reading, Downloading, Research |
| 49. East New Britain Tourism Authority | Digicel | No | No | Mobile phone, Wifi | Work email and communication, Cloud services, Online social networking, Reading, Downloading data, Research and Information |
| 50. GML Clothing and Homewares | Digicel Vodafone Telikom | No | No | Mobile Phone Wifi | Work email and communication, Online social networking, Streaming media, Downloading data, Research and information, Online Shopping |

LAE ISP SURVEY 2022

ISP DATA COLLECTIONS 2022, LAE, MOROBE PROVINCE

| Organization | Who is your ISP | Are there any control measures by the ISP | Do you have your own internal set of | Specify your own internal set of control measures | Additional Information | Inspection Officer Comment |
|--|---------------------------|---|--------------------------------------|---|--|--|
| 1 THE NATIONAL (PACIFIC STAR LTD) ***** PRIVATE SECTOR ***** | DIGITEC | NO | YES | We can only block or restrict content from used | *As | Datec PNG is the Internet Service Provider. All content is monitored, filtered and managed by their internal firewall. |
| I IRRAN 2 EXPRESS FREIGHT MANAGEMENT ***** PRIVATE SECTOR ***** | DIGITEC | NO | YES | SOPHOS (BUSINESS SITES ONLY) | | Digitec PNG is the Internet Service Provider. All content is monitored, filtered and managed by the internal firewall system. |
| I IRRAN 3 NAQIA ***** PUBLIC SECTOR ***** URBAN | TELIKOM PNG | YES | YES | Block sites that are not related to work or Job description | | Telikom Png PNG is the Internet Service Provider. All content is monitored, filtered and managed by the internal firewall system. |
| 4 TRUKAI INDUSTRIES ***** PRIVATE SECTOR ***** URBAN | DIGICEL PNG | NO | YES | Social Media, restricted sites, bandwidth heavy sites eg: streaming sites etc - Retricted | Bandwidth is costly. Don't want to allow for non-work related traffic. | Digitec PNG is the Internet Service Provider. All content is monitored, filtered and managed by the internal firewall system. |
| 5 NGIP AGMARK LIMITED ***** PRIVTE SECTOR ***** 6 KENMORE LTD ***** PRIVATE SECTOR ***** URBAN | DATAACO PNG & DIGICEL PNG | YES | YES | Artica Proxy is deployed to manage Internet access | | Dataaco PNG & Digicel PNG are the Internet Service Provider. All content is monitored, filtered and managed by the internal firewall system. |
| 7 BRIDESTONE TYRES PNG LTD ***** PRIVATE SECTOR ***** I IRRAN | TELIKOM PNG | NO | YES | Unwanted/ non-work related sites are blocked | | Telikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall. |
| | DATAACO PNG & TELIKOM PNG | NO | YES | Mime Cast Coporate system | | Dataaco PNG & Telikom are the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall. |

| | | | | | | |
|----|--|------------------------------|-----|-----|--|---|
| 8 | NIUTECH RESOURCES LTD T/A INDUSTRIAL WATER SERVICES ***** PRIVATE SECTOR ***** | GLOBAL INTERNET LIMITED | NO | YES | We use other ISP such as digicel & VODA FONE to connet | Global is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall. |
| 9 | AMALPACK LIMITED ***** PRIVATE SECTOR ***** | TELIKOM PNG | YES | YES | Company Firewall | Telikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall. |
| 10 | URBAN WATER PNG LTD ***** PRIVATE SECTOR ***** | TELIKOM PNG & DIGICEL PNG | NO | YES | Filter adult contents using key words on firewall | Telikom & Digicel are the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall. |
| 11 | URBAN CATHOLIC CHURCH LAE ***** PRIVATE SECTOR ***** | DIGICEL PNG | YES | NO | It's open we access all sites | Digicel is the Internet Service Provider. The company doesn't have a firewall that can manage all content from the ISP. |
| 12 | FOODMART ***** PRIVATE SECTOR ***** | DATACO PNG & MYNET | YES | YES | Cyber security and NPS/IP | Note: Device used is a Digital Dataco & Mynet are the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies |
| 13 | URBAN ABLE COMPUTING ***** PRIVATE SECTOR ***** | LIGHTSPEED & TELIKOM PNG | NO | YES | Firewall & Cenlen Filtering | LightSpeed & Telikom PNG are the Internet Service Providers. All content is monitored, filtered, managed & protected by the internal firewall policies |
| 14 | URBAN Dunlop PNG (TYRES PNG LIMITED) ***** PRIVATE SECTOR ***** | DATEC PNG | YES | YES | Login & user access to files and Internet | DATEC PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| 15 | URBAN Jetsmar Travel Services Ltd ***** Private Sector | DATEC PNG | YES | YES | Cannot access social media sites | DATEC PNG is the Internet Service Provider. All content is monitored, filtered and managed by their internal firewall. |

| | | | | | | |
|----|--|--|-----|-----|--|--|
| 16 | PNG Toner & INK Supplies LTD ***** Private Sector ***** Iirhan Lae Builders & Contractors ltd | DIGICEL PNG | NO | YES | Firewall/Access controls in router config | Digicel PNG is the Internet Service Provider. This company also have an internal firewall that monitored, filtered and managed all content from the ISP. |
| 17 | Iirhan Lae Builders & Contractors ltd | MYNET | YES | YES | Restriction to online gaming sites and porn sites otherwise only selected users have access to the internet. | MYNET PNG is the Internet Service Provider and has its own control measures. This company also have a firewall system that monitored, filtered and managed all content from the ISP |
| 18 | Brain Bell Group ***** Private Sector ***** Iirhan SVS ***** Private Sector ***** | APCS/ VODAFONE | NO | YES | Firewall/Both on Premises & Cloud | from the ISP VODAPHONE & APCS are the Internet Service Provider. This company also have an Internal firewall system that monitored, filtered and managed all content APCS is the Internet Service Provider. All content is monitored, filtered and managed by the internal firewall policies. |
| 19 | Private Sector ***** Iirhan Colgate Palmolive Ltd ***** Private Sector ***** | APCS | YES | YES | Firewall Protected | company also have an Internal firewall system that monitored, filtered and managed all content APCS is the Internet Service Provider. All content is monitored, filtered and managed by the internal firewall policies. |
| 20 | Private Sector ***** Iirhan KH TYREMART LAE LTD ***** Private Sector ***** | DATA CO PNG | NO | YES | | Dataco PNG is the Internet Service Provider. All content is monitored, filtered and managed by the internal firewall policies. |
| 21 | Private Sector ***** Iirhan PNG FOREST PRODUCTION LTD ***** Private Sector ***** | DIGICEL PNG | YES | NO | | Digicel is the internet service Provider. The company doesn't have a firewall that can manage all content from the ISP. |
| 22 | Private Sector ***** Iirhan AHI GROUP LTD ***** Public Sector ***** Iirhan | Primary: DATA CO Ltd ***** Redundancy: Digicel Ltd & Kacific Ltd DIGITEC PNG | NO | YES | All internet traffic, both inbound and outbound, is routed through out Sophos Firewall. | Note: Device used is a Digicel Dataco, Digicel & Kacific Ltd are the Internet Service Provider. All content is monitored, filtered and managed by Sophos Firewall device. |
| 23 | Public Sector ***** Iirhan | DIGITEC PNG | YES | YES | Firewall Protected | Digicel PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |

| | | | | | | |
|----|---|-----------------------------------|-----|-----|---|--|
| 24 | PNG CUSTOMS SERVICE ***** Public Sector ***** IIRAN SEETO KUI GROUP OF COMPANIES ***** PRIVATE SECTOR ***** | TELKOM PNG | YES | YES | Our ICT team restrict our access to certain limited Information on Internet available only for the benefit of office use. | Teikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the Internal firewall . |
| 25 | IIRAN SEETO KUI GROUP OF COMPANIES ***** PRIVATE SECTOR ***** | MVNET | YES | YES | ICT team only authorize access to specific users. | MVNET PNG is the Internet Service Provider. All content is monitored, filtered managed & protected by FortiGate firewall device. |
| 26 | IIRAN PAPINDO TRADING CO.LTD ***** PRIVATE SECTOR ***** | EXCITEPNG & DIGITEC | NO | YES | Proxy server that allows certain IP's access to internet | Excit & Digitec are the Internet Service Provider. All content is monitored, filtered and managed by the company internal firewall policies. |
| 27 | IIRAN TRANS MARINE LTD ***** PRIFVATE SECTOR ***** | TELKOM PNG & DIGICEL PNG | YES | NO | Business firewall & control measures implemented globally | Teikom & Digicel are the Internet Service Provider. All content is not monitored, filtered and protected because there is no control measures in place |
| 28 | IIRAN BOC LIMITED PNG ***** PRIVATE SECTOR ***** | DIGICEL PNG | NO | YES | Internet Policies, firewall, proxy Internet | Digicel PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| 29 | IIRAN UMW NIUGINI LTD ***** PRIVATE SECTOR ***** | TELKOM PNG & DIGICEL PNG | YES | YES | LIMITED DATA – Purchased on weekly bases to monitor usage | Teikom & Digicel are the Internet Service Provider. All content is monitored, filtered, managed abd protected by the internal firewall policies. |
| 30 | IIRAN WANTOK AUTO PARTS ***** PRIVATE SECTOR ***** | KUMUL TELIKOM HOLDING (KTH MODEM) | NO | YES | We have our firewall and we restrict the internet usage to our staffs. | Kumul Teikom Holding are the Internet Service Provider. All content is monitored, filtered and managed by the internal firewall. |
| 31 | IIRAN BADILI HARDWARE LIMITED ***** PRIVATE SECTOR ***** | TELKOM, SPEEDCAST | NO | YES | | Teikom & SpeedCast are the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |

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|--|--|------------------------------------|------------------------------------|--|---|
| NCI PACKAGING LTD ***** 40 PRIVATE SECTOR ***** URBAN LAE PROFESSIONAL ***** 41 PRIVATE SECTOR | DIGICEL PNG | YES | YES | Each user as a limited set of mb in/out | Digicel PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| PROPERTY LINK REAL ESTATE ***** 42 PRIVATE SECTOR ***** URBAN NAMBAWAN SUPER ***** 43 PUBLIC SECTOR ***** URBAN LAE BISCUIT LTD ***** 44 PRIVATE SECTOR ***** URBAN | DIGITEC PNG DATEC PNG DIGICEL PNG & TELIKOM PNG DIGITEC PNG | YES NO YES NO | YES NO NO YES | IT International monitor all our sales and set control to any websites All IT specifications are managed through our IT team in Pom SOPHOS | Digitec PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. Digicel is the Internet Service Provider. All content is not monitored, filtered, managed or protected. Digicel & Telikom are the Internet Service Providers. All content is monitored, filtered, protected & managed in POM. Digitec PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by Sophos Firewall device which is the internal firewall system for the company Mynet & Digicel are the Internet Service Providers. All content is monitored, filtered, managed & protected by eCybergate device which is the internal firewall system for the company |
| CHEMICA LIMITED ***** 45 PRIVATE SECTOR ***** URBAN | MYNET & DIGICEL PNG | YES | YES | eCybergate Proxy Server / Filter | Mynet & Digicel are the Internet Service Providers. All content is monitored, filtered, managed & protected by eCybergate device which is the internal firewall system for the company |
| FARMSET ***** PRIVATE SECTOR ***** URBAN | EXCITEPNG LTD (Primary) ; TELIKOM, DIGICEL & VODAFONE | NO | YES | Refer attached | The Service we pay with our primary ISP Excite Ltd dose not have us subscribing to a UTM service that they could provide. On the other hand, internally at different Farmset branches, we restrict user access by only allowing internet services for business purposes only, with no ability to browse or stream services such as YouTube, Spotify etc. (Emails, IM Services only) There are bandwidth restrictions by minimizing the bandwidth subscription at different sites based on the number of users. We do not have excessive bandwidth contention plans and limit only browsing access to upper management. We also restrict WiFi access to users and mainly use our WiFi services for security control. |

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|----|--|---|-----|-----|--|---|--|--|
| 47 | LAE GOLF CLUB ***** PUBLIC SECTOR ***** | GLOBAL INTERNET LIMITED | NO | NO | | | | Global is the Internet Service Provider. All content is not monitored, filtered, managed or protected. |
| 48 | URBAN HASTING DEERING (PNG) LTD ***** PRIVATE SECTOR ***** | DIGICEL PNG LTD | YES | YES | IT dept blocks sites which are prohibited | | | Digicel is the Internet Service Provider. All content is monitored, filtered, managed & protected by firewall. |
| 49 | IRRAN RAPIDFONES ***** PRIVATE SECTOR ***** | TELIKOM PNG, DIGICEL PNG, VODAFONE & MYNET | NO | NO | | | | Telikom, Digicel, Vodafone & Mynet are the Internet Service Providers. All content not is monitored, filtered, managed or protected by any firewall |
| 50 | IRRAN LAE INTERNATIONAL SCHOOL TISOL ***** PRIVATE SECTOR ***** | BMOBILE PNG & DIGICEL PNG | YES | YES | No social media activity outside of authorised usage | We don't have broadband, our internet usage is by personal phone connectivity, with no "communication allowance" to use for work official purpose. | | Bmobile PNG & Digicel PNG are the Internet Service Providers. All Internet content is open and personally accessed or used when onsite without any control measures in place Dataco ltd, Telikom & Kacific ltd are the Internet Service Provider. All content is monitored, filtered, managed & protected by Fothinet firewall Firewall device which is the internal Digicel & Vodafone are the Internet Service Provider. All content is not monitored, filtered, managed or protected. |
| 51 | IRRAN KENNY PNG LTD ***** PRIVATE SECTOR ***** | PRIMARY: DATACO Ltd ***** SECONDARY: TELIKOM PNG & Kacific Ltd | YES | YES | Fortinet Proxy - Access Restriction set accordingly | | | |
| 52 | IRRAN LAE INTERNATIONAL HOSPITAL ***** PRIVATE SECTOR ***** | DIGICEL PNG & VODAFONE PNG | NO | NO | NA | | | |
| 53 | IRRAN TOLEC ELECTRONICES ***** PRIVATE SECTOR ***** | DIGICEL PNG & BMOBILE PNG | NO | NO | NA | I am calling on the Government of the day to have/or put in place some form of filtering/control systems of internet usage in the country because people are misusing by uploading/downloading/watching searches of infidelity/pornography etc at the moment. Thank you | | Digicel & Bmobile are the Internet Service Provider. All content is not monitored, filtered, managed or protected. |
| 54 | IRRAN TOLEC ELECTRONICES ***** PRIVATE SECTOR ***** | DIGITEC PNG | NO | YES | Company policy stating Internet is for work only. | Most employees are on a thin client making compliance simplified. This means only one server to check for files and employees unable to install programs | | Digitec PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |

| | | | | | |
|--|---|-----|-----|--|--|
| MOROBE PROVINCIAL ADMINISTRATION ***** PUBLIC SECTOR ***** NORTH COAST AVIATION AIRLINE ***** PRIVATE SECTOR ***** | TELIKOM PNG | NO | YES | SOPHOS XG FIREWALL | Teikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by Sophos Firewall device which is the internal firewall for the company. |
| 55 | DIGICEL PNG | YES | NO | | Digicel is the Internet Service Provider. All content is not monitored, filtered, managed & protected. |
| 56 | TELIKOM PNG | NO | NO | I only access google on chrome to do work and gmail but not other websites unnecessary. | Note: Device used is a Digital Teikom is the Internet Service Provider. All content is not monitored, filtered, managed & protected. |
| 57 | DIGITEC, DIGICEL for our HQ. Combination of Digicel, Teikom for 19 of our branches and Excite for 3 of our branches | NO | YES | We have a Web Filter where we can enforce policies on what can be viewed on our network | Teikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall and Web Filter policies. |
| 58 | TELIKOM, SPEEDCAST, DIGITEC, DIGICEL & KACIFIC | YES | YES | Internet Access is controlled through our sophos firewall. | Teikom, SpeedCast, Digitec, Digicel & Kacific are the Internet Service Providers. All content is monitored, filtered, managed & protected by Sophos Firewall device which is the internal firewall for the company |
| 59 | B.N.G TRANDING LTD | NO | NO | | B.N.G Tranding is the Internet Service Provider. All content is not monitored, filtered, managed or protected. |
| 60 | DIGITEC PNG & VODAFONE | NO | YES | Internet Access is password protected | Digitec PNG & Vodafone is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| 61 | TELIKOM PNG & DIGICEL PNG | NO | YES | Yes we BPNG have our own filter set in place over our internet connection to prevent users to access social sites like facebook, youtube non sites etc | Teikom PNG & Digicel PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| 62 | | | | | |

| | | | | | | |
|----|--|---|-----|-----|---|--|
| 63 | FONE HAUS LTD ***** PRIVATE SECTOR ***** URBAN AUSTRALIAN CONSULATE, LAE ***** PRIVATE SECTOR ***** | PNG NWTL | YES | YES | Firewall in place | NWTL PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall device. |
| 64 | TELKOM, DIGICEL & ORGANISATION OWN ***** PRIVATE SECTOR ***** | TELKOM, DIGICEL & ORGANISATION OWN ***** PRIVATE SECTOR ***** | YES | YES | Aust Dfcat provides internal set of control measures to monitor internet users. | Telikom & Digicel are the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| 65 | IRBRAN PRIME TRAVEL SERVICES ***** PRIVATE SECTOR ***** | TELKOM PNG | YES | YES | | Telikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall device. |
| 66 | IRBRAN OMBUDSMAN COMMISSION OF PNG ***** PUBLIC SECTOR ***** | TELKOM PNG | NO | YES | Firewall web filter policy (Sophos Firewall) | Telikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by Sophos firewall device which is the internal firewall for the company. |
| 67 | IRBRAN NATIONAL FISHERIES AUTHORITY ***** PUBLIC SECTOR ***** | TELKOM PNG LTD | NO | YES | Super admin permission into untrusted site/contents | Telikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| 68 | IRBRAN MANASE & CO. LAWYERS ***** PRIVATE SECTOR ***** | TELKOM PNG | NO | YES | We have installed McApple Anti-virus only. | Telikom is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| 69 | IRBRAN ICCC ***** PUBLIC SECTOR ***** URBAN FINCORP ***** PRIVATE SECTOR ***** URBAN | TELKOM PNG | YES | YES | Policy on network. High/medium/Low restriction on users. | Telikom PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by Sophos Firewall device which is the internal firewall for the company. Telikom & Digicel are the Internet Service Provider. All content is not monitored, filtered, managed & protected by the internal firewall. |
| 70 | TELKOM PNG & DIGICEL PNG | TELKOM PNG & DIGICEL PNG | NO | NO | I don't use internet that much so no comments here. | |

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|----|--|---|-----|-----|--|--|---|--|--|
| 71 | PNG SPORTS FOUNDATION REGIONAL OFFICE MOMASE ***** PUBLIC SECTOR ***** IIRAN TEACHERS SAVINGS AND LOANS SOCIETY ***** PRIVATE SECTOR ***** | TELIKOM PNG & DIGICEL PNG | NO | NO | | | | | Telikom & Digicel are the Internet Service Provider. All content is not monitored, filtered, managed & protected. |
| 72 | IIRAN KK KINGSTON LTD ***** PRIVATE SECTOR ***** | DIGICEL PNG DATACO PNG | YES | NO | | | | | NICTA must manage and filter Internet Applications and web pages in the country. Sites that promotes immorality/Indicent practices must be banned/Remove from PNG. |
| 73 | IIRAN BISHOP BROTHERS ENGINEERING ***** PRIVATE SECTOR ***** | DIGICEL PNG TELIKOM PNG & DIGICEL PNG | YES | YES | | | Sophos Firewall Solution Network/Domain Administrative control - permission of access to companies domain. Firewall Inplace | | Digicel PNG is the Internet Service Provider. All content is monitored, filtered, managed & protected by Sophos Firewall device in the company Telikom & Digicel are the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall policies. |
| 74 | IIRAN WOMEN MICROBANK LTD ***** PRIVATE SECTOR ***** | TELIKOM PNG, DIGICEL PNG, VODAFONE | NO | NO | | | | | Telikom, Digicel & Vodafone are the Internet Service Providers. All content is not monitored, filtered, managed or protected. |
| 75 | IIRAN DIGITEC LTD ***** PRIVATE SECTOR ***** IIRAN UNITED FINANCE LIMITED ***** PRIVATE SECTOR ***** IIRAN | DATACO PNG & SPEEDCAST GENESIS COMMUNICATION | YES | YES | | | Firewall Installed Firewall (Fortigate) | | Dataco PNG & SpeedCast is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal firewall device Genesis is the Internet Service Provider. All content is monitored, filtered, managed & protected by the internal Fortigate firewall policies. |
| 76 | IIRAN UNITED FINANCE LIMITED ***** PRIVATE SECTOR ***** IIRAN | GENESIS COMMUNICATION | NO | YES | | | Firewall (Fortigate) | | I think it's best all there internet service provider should have control over all people or restrict Web sites. |
| 77 | IIRAN UNITED FINANCE LIMITED ***** PRIVATE SECTOR ***** IIRAN | GENESIS COMMUNICATION | NO | YES | | | Firewall (Fortigate) | | |

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|--|------------------------------|-----|-----|--|--|
| 88 MOROBE FISHERIES MANAGEMENT AUTHORITY | DATEC PNG | NO | YES | Restrictions imposed by IT officers within Admin. Division | RESTRICTIONS SUCH AS; "DO NOT ALLOW DOWNLOADING OF EXPLICIT INFO/MATERIALS FROM THE INTERNET". |
| 89 NOVELTY PRINTING LIMITED | TELIKOM PNG LIMITED | NO | NO | Firewall installed | |
| 90 TRENDS PNG | MYNET (SEETO KUI) | NO | YES | No control measures | IT SEEMS THAT INTERNET SERVICE PROVIDERS SUCH AS DIGICEL, BMOBILE AND TELIKOM HAVE NOT CONTROL OVER FILTERING BAD FEATURES LIKE PORNOGRAPHIC TIKTOK AND OTHER BAD VIDEO FOOTAGES. I THINK WE HAVE TO STOP THIS BAD VIDEOS/PICTURES SO THAT OUR FUTURE GENERATION IS PROTECTED AND RAISED APPROPRIATELY AND IN ORDERLY MANNER |
| 91 HUTRON TRADING | DIGICEL, BMOBILE, TELIKOM | NO | NO | | |
| 92 FORTUNE STAR CORPORATION LIMITED | VODAFONE, LTD | YES | YES | Update phones for customers only | |



OFFICE OF CENSORSHIP

ISP DATA SUMMARY 2023

MT. HAGEN ISP SURVEY 2023

| Internet Service Provider, Data Collection - Mt. Hagen, Western Highlands Province | | | | | | |
|--|--------------------------|---|---|--|--|---|
| Organization | Who is your ISP Provider | What is the main purpose of your usage | What type of medium issued to access the internet | Does your ISP restrict your internet usage | Additional Information | Inspection Officer Comment |
| 1. AIR NILGINI Corporate Government Airline | TELKOM/DIGICEL PNG | Work and Communication | Mobile Device | NO | Participant Company organization restricts access to illicit/gambling websites. | Air Nilugini does not recognise the use of internet for illegal and illicit activities. Hence they restrict illicit/illegal sites on company network. |
| 2. HAGEN TRAVELLERS INN Accommodation Provider | TELKOM | Work and Communication | ADSL | No | | The Accommodation service provider does not restrict its company internet usage. |
| 3. CHRISTIAN BOOKS MELANESIA CHURCH ORGANIZATION Mt. HAGEN | DIGICEL PNG | Work and Communication | Internet Wifi | YES | Employees somewhat effectively comply with company/internet restrictions. | Church Organization, focuses on sharing Church Content. |
| 4. NESTLE PNG FOOD & BEVERAGE INDUSTRY | TELKOM/DIGICEL PNG | Work and Communication | Mobile Device/Wifi | YES | Around 400 employees have access to the internet. | Company effectively restricts illicit/illegal websites. |
| 5. BNBM CHALLENGAR TECHNOLOGY ELECTRONIC APPLIANCE MT. HAGEN | TELKOM/VODAFONE | Work/Communication/Reading/Downloading/Research/Streaming Media | Mobile Device/Wifi | NO | Company claims internet service provider has no control over censoring illegal/illicit content. | Company believes internet censoring is not very effective. |
| 6. MT. HAGEN SECONDARY SCHOOL HAGEN URBAN. | PNG DATA CO | Work/Communication/Cloud Services | USB Dongle/Wifi/Streaming Media/Cloud Services | YES | School blocks restricted sites through firewall. Only learning items are accessible online. | School uses appropriate measures to safeguard the education environment. |
| 7. CHINA HABOUR ENGINEERING COMPANY LIMITED | TELKOM/DIGICEL PNG | Work/Communication/Streaming Media | Mobile Phone/Wifi | YES | 20 people have access to the company's internet services. | Company did not specify if the Internal Internet usage policy was effective or not. |
| 8. IPTI TRANSPORT, MT. HAGEN | TELKOM | Work and Communication | DID NOT INDICATE | YES | Company employees are more than 20 and comply with the internal internet usage rules and restrictions. | The company mainly uses the internet for logistics and fleet management. |
| 9. BNG TRADING DISTRIBUTOR DOWNTOWN, MT. HAGEN | BIKPLA NET (OTHER ISP) | Work/Communication/Video Conferencing | Wifi | YES | About 300 employees access the company's internet service. | First company to use a uncommon ISP. |
| 10. HIGHLANDS AGRICULTURAL COLLEGE TRAINING INSTITUTE KORNFAM, HAGEN CENTRAL | APTC (OTHER ISP) | Work/Communication/Online Studying/Research/Cloud Services | Satellite | NO | Students use internet service, however there is no control or restriction mechanisms in place. | Students should be restricted to educational content only at this stage in their lives. |
| 11. HOTEL KIMININGA HOSPITALITY INDUSTRY KIMININGA, HAGEN CENTRAL | TELKOM | Work and Communication | Wifi | NO | All sections within the Hotel are used with not much internet restrictions. | Hotel should introduce internet policy for staff and guests. |

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|----|--|---------------------------------|--|----------------------------|-----|--|--|
| 12 | MCRYAL HOTEL LIMITED HOSPITALITY INDUSTRY MT. HAGEN | DIGICEL PNG | Work and Communication | Sim Card Router (Other) | NO | Company uses domain filtering. Company IT Admin monitors internet usage. | Internet is restricted to staff only. |
| 13 | INFO-TECH LIMITED STATIONARY & OFFICE PRODUCTS MT. HAGEN, HAGEN CENTRAL | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Restrictions for staff employees. | Company did not explain completely on company internet process and protocols. |
| 14 | CIVCON LIMITED RETAIL/REAL ESTATE MT. HAGEN | TELKOM | Work/Communication/Online Games/Research/Streaming Media | USB Dongle/Satellite | YES | 6 employees have access to company internet and are compliant with internet policy. | Company has internal internet policy employees abide by. |
| 15 | KYOCERA BUSINESS CENTRE LIMITED STATIONARY PRODUCTS HAGEN,CITY, WHP | DIGICEL PNG/VODAFONE | Work and Communication | Mobile Phone/Wifi | NO | Company does not have an effective internet user guide or ISP. About 4 employees access the internet. | Employees use own internet data from commercial telecommunications internet providers. |
| 16 | FRIENDLY HOME LODGE HOSPITALITY INDUSTRY KAGAMUGA, HAGEN CENTRAL | TELKOM/DIGICEL PNG | Work and Communication | Mobile Phone | NO | 2 employees use own data from commercial ISPs. | Employees suggested ISP's should filter advertisements, scammers and unwanted messages. |
| 17 | HUA CHENG WOOD & MATERIAL CO-LIMITED HARDWARE SUPPLIES DOBEL,WHP | TELKOM/DIGICEL PNG/VODAPHONE | Work and Communication | Mobile Phone/Wifi | NO | Company internet internal control measures are not very effective. | Employees prefer to have own data plans instead of using company internet data. |
| 18 | GOLDLINE LODGE HOSPITALITY INDUSTRY HAGEN DISTRICT, WHP | DIGICEL PNG | Work/Communication/Online Reading/Studying/Games | Mobile Phone/USB Dongel | NO | 40 employees access the internet, with internet usage policy been somewhat effective. | Company mainly uses internet for lodge administration and bookings management via email/whatsapp. |
| 19 | AUTOMATIVE INDUSTRY MT.HAGEN,WHP | TELKOM/DIGICEL PNG | Work and Communication | Coaxial Cable | YES | Company has website filtering, and company internet policy. | Employees reported that internal content control measures are very effective. |
| 20 | IRC, MT. HAGEN TAXATION COLLECTION OFFICE | TELKOM | Work/Communication/Video Conferencing | Mobile phone/ADSL | NO | Company uses an acceptable standard for company internet policy and usage. | Employees claim that the content control measures are very effective. |
| 21 | MT.HAGEN,WHP DIGITEC-ICT LIMITED ICT PRODUCTS?SERVICES TININGA CENTRAL, MT.HAGEN,WHP | VODAFONE | Work/Communication/Resea rch/Information | ADSL | NO | Company uses a comprehensive website filtering system. | There are 4 employees that use the company internet service. |
| 22 | KURI HOTEL LIMITED HOSPITALITY INDUSTRY MT.HAGEN,WHP | TELKOM | Work and Communication | ADSL | NO | Company does not have an internet website filtering system. Not effective | 4 staff members, commercial internet service provider. |
| 23 | POSTAL & LOGISTICS TININGA CENTRAL, MT. HAGEN | PNG DATACO | Blogging | Wifi | NO | Company has an internal internet monitoring and usage policy. 75 percent of employees have access to company internet. | The company internet policy is effective. |
| 24 | INTERNATIONAL SCHOOL SCHOOL MT. HAGEN, HAGEN CENTRAL | TELKOM | Work/Communication/Resea rch/Information | Mobile phone/Wifi | NO | School internet policy is not that effective. Limited filtering mechanisms. | Staff and Student have access to internet. However students should be limited to educational content only. |

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|----|---|----------------------|--|------------------------------|--------|---|--|
| 25 | MT. HAGEN INTERNATIONAL SCHOOL SCHOOL MT. HAGEN, HAGEN CENTRAL | DIGICEL PNG | Work and Communication | Mobile phone | NO | School internet policy is not that effective. Limited filtering mechanisms. | Staff and Student have access to internet. However students should be limited to educational content only. |
| 26 | MT. HAGEN INTERNATIONAL SCHOOL SCHOOL MT. HAGEN, HAGEN CENTRAL | DIGICEL PNG | Work and Communication | Mobile phone | NO | School internet policy is not that effective. Limited filtering mechanisms. | Staff and Student have access to internet. However students should be limited to educational content only. |
| 27 | MT. HAGEN INTERNATIONAL SCHOOL SCHOOL MT. HAGEN, HAGEN CENTRAL | TELKOM/DIGICEL PNG | Work/Communication/Online social networking/studying/downloading | Mobile phone | NO | School internet policy is not that effective. Limited filtering mechanisms. | Staff and Student have access to internet. However students should be limited to educational content only. |
| 28 | MT. HAGEN INTERNATIONAL SCHOOL SCHOOL MT. HAGEN, HAGEN CENTRAL | DIGICEL PNG | Online social networking/reading | Mobile phone | YES | No solid internet policy, however employees using the internet observe internet decency. | Commercial ISP, user preference determines content use rather than filtering. |
| 29 | MT. HAGEN INTERNATIONAL SCHOOL SCHOOL MT. HAGEN, HAGEN CENTRAL | TELKOM/VODAFONE | Online social networking/streaming/downloading | Mobile phone | NO | School internet policy is not that effective. Limited filtering mechanisms. | Staff and Student have access to internet. However students should be limited to educational content only. |
| 30 | HIGHLANDS TONER & INK SUPPLIERS STATIONARY KIMS PLAZA, HAGEN CHEMCARE GROUP LIMITED | VODAFONE | Work and Communication | Mobile phone | NO | There is no company internet policy available. | Company employees use a commercial internet service provider. |
| 31 | PHARMACIAL PRODUCTS TRANSPARTS INTERNATIONAL LIMITED DEALERSHIP HAGEN CENTRAL, MT. HAGEN | TELKOM | Work and Communication | Wifi | VARIES | Company does not have a internet usage policy or guideline. | Internet access is only limited to Office computers. |
| 32 | PHARMACIAL PRODUCTS TRANSPARTS INTERNATIONAL LIMITED DEALERSHIP HAGEN CENTRAL, MT. HAGEN | DIGICEL PNG | Work and Communication | Wifi | NO | Although there is no filtering mechanism in place, Employees abide by guidelines on internet usage. | More than 50 employees use the company commercial IPS. |
| 33 | NOT PROVIDED | DIGITEC PNG | Work/Communication/Online social networking/ services/online social networking/downloading | ADSL | YES | Internet content filtering carried out within the company. | Company uses an effective internet content filtering system. |
| 34 | FORTUNE STAR/HUAWEI PHONE RETAILER HAGEN CENTRAL, MT. HAGEN | DIGICEL PNG/VODAFONE | Work/Communication/Cloud services/online social networking/downloading | Mobile phone/USB Dongle/Wifi | NO | 15 officers internet activity is monitored effectively. | Company has internet usage policy in place. |
| 35 | GUEST HOUSE KAGAMUGA AIRPORT KAGAMUGA, MT. HAGEN AIRPORT RESORT LIMITED | DIGICEL PNG | Work and Communication | Mobile Phone | NO | There is no website filtering system in place. | Employees comply with a company internet usage guidelines. |
| 36 | HOSPITALITY INDUSTRY MT. HAGEN, WHF | DIGICEL PNG | Work and Communication | Mobile phone/Satellite | YES | Employees practice standards of using the internet ethically. | Limited employee access to the internet. |

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|----|---|------------------------------|--|------------------------------|--------------|---|---|
| 37 | Western Pacific Insurance Limited Insurance Service Provider MT. HAGEN, WHP | DIGICEL PNG | Work/Communication/Video Conferencing | ADSL | YES | Company has an active in-house internet monitoring system. | However internet is only restricted to two senior employees. |
| 38 | UNITED FINANCE LIMITED LOANING COMPANY MT. HAGEN NATIONAL FINANCE | DIGICEL PNG | Work and Communication | Wifi | NO | Internet is not monitored. Employees use the internet for work purposes and searching only. | About 9 employees use the office internet for searches. However not monitored. |
| 39 | NBC, WHP GOVERNMENT MEDIA INDUSTRY HAGEN CENTRAL, MT. HAGEN | TELKOM | Work and Communication | Wifi | YES | Company has a in-house internet content filtering system. | The company internet monitoring policy is effective. |
| 40 | MISSION AVIATION FELLOWSHIP CHURCH AVIATION ORGANIZATION KAGAMUGA AIRPORT, HAGEN CENTRAL | TELKOM | Work and Communication | ADSL | Not Provided | The internet is only accessed by a single individual | Director Provincial Radio accesses internet for radio content purposes. |
| 41 | CREDIT CORPORATION FINANCE INDUSTRY MT. HAGEN, WHP | DIGICEL PNG/VODAFONE | Work/Communication/Video conferencing/Online studying?downloading/Online social networking | Mobile phone/USB Dongle/Wifi | YES | As a Church Organization internet usage is monitored and filtered. | About 100 employees use the filtered ISP. |
| 42 | DAE WON WHOLESALE & RETAIL HAGEN CENTRAL, MT. HAGEN | TELKOM | Work/Communication/Cloud service/Video conferencing | Mobile phone/Wifi | YES | Office ICT section controls and monitors the company's employee internet access. | There are a limited number of company employees that have access to the internet. |
| 43 | MT. HAGEN TECHNICAL COLLEGE HAGEN CENTRAL, MT. HAGEN | TELKOM/VODAFONE | Work/Communication/Research/Information | Mobile Phone/Wifi | NO | Company has a monitoring system for internet usage. | Internet access is limited to certain employees. |
| 44 | TOTAL HOMES LIMITED WHOLESALE RETAILER MT. HAGEN, WHP | LINKONET LIMITED (Other ISP) | Work and Communication | Wifi | YES | The school maintains high standards of internet content filtering limited to educational content only. | The school has an effective filtering system. That supports student educational development |
| 45 | ORANNI FINANCE LOANING COMPANY HAGEN CENTRAL, MT. HAGEN | TELKOM | Work and Communication | Fibre Optic | YES | The company maintains a standard of content filtering | 15 employees internet usage is monitored and controlled. |
| 46 | TRANSPORTING GROUP OF COMPANIES LOGISTICS INDUSTRY LAE CITY, MOROBE | TELKOM | Work/Communication/online social networking | Mobile phone/USB Dongle/Wifi | NO | Company does not implement internet content filtering. Employees believe monitoring should limit the spread of fake online content. | About 30 employees have access to unfiltered internet content. |
| 47 | | DIGICEL PNG | Work and Communication | Mobile phone | YES | Company has a internet filtering monitoring system | Employees claim the internal content control measures are effective. |

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|----|---|-----------------------------|---|--|--------------|---|---|
| 48 | TRANA TRANSPORT LIMITED LOGISTICS INDUSTRY | Not Provided | Work and Communication | Not Provided | Not Provided | Company assumed to have no company internet service. | local logistics company with limited internet expansion capacity. Reliant on Commercial ISP's. |
| 49 | KUNAI CO. LIMITED CONSULTANCY FIRM HAGEN PLAZA, HAGEN CENTRAL | TELKOM/DIGICEL PNG | Work and Communication | Mobile phone | NO | Company has no active internet content filtering systems. Employees do not necessarily access company internet. | Employees use Commercial ISP's to access the internet. |
| 50 | PNG POWER LIMITED STATE OWNED ENTERPRISE HAGEN CENTRAL, MT. | DIGICEL PNG | Work/Communication/Cloud services/Online studying/Research/Information | Mobile phone/Wifi/ADSL/Fibre Optic/Satellite | NO | Company has content filtering system via Proxy Server and is effective. | Company has effective filtering system illicit and illegal sites are restricted for staff to view. |
| 51 | JOY HIRE CAR LIMITED HIRE CAR COMPANY HAGEN CENTRAL, MT. HAGEN | DIGICEL PNG | Work and Communication | Mobile phone | NO | Company does not filtering systems in place. | Employees use Commercial ISP's to access the internet. |
| 52 | JIWAKA BUSSINESS SOLUTIONS LIMITED CONSTRUCTION COMPANY MT. HAGEN, WHP | TELKOM | Work and Communication | Mobile phone/USB Dongle | NO | Company does not filtering systems in place. | Employees use Commercial ISP's to access the internet. |
| 53 | AZZ HARWARE COMPANY WHOLESALE HARWARE COMPANY HAGEN TOWN, MT. HAGEN | DIGICEL PNG | Work and Communication | Wifi | YES | Not Provided | Company has no internet filtering policy or guidelines. Over 100 employees use commercial ISP's. |
| 54 | HOSPITALITY INDUSTRY NANGA MOTEL HAGEN, WHP | DIGICEL PNG | Work and Communication | Mobile phone | NO | No company internet filtering policy. | Employees use commercial ISP for internet access to do company work. |
| 55 | SCHOOL HAGEN PARK SECONDARY HAGEN CENTRAL, MT. HAGEN | TELKOM/DIGICEL PNG/VODAFONE | Work/Communication/Streaming media/online games/Research information/Online social Services | Mobile phone | NO | There is no internet filtering control mechanism in place. | Non affective staff use commercial ISP's. |
| 56 | SCHOOL HAGEN PARK SECONDARY HAGEN CENTRAL, MT. HAGEN | TELKOM/DIGICEL PNG/VODAFONE | Work/Communication/Streaming media/online games/Research information/Online social Services | Mobile phone | NO | There is no internet filtering control mechanism in place. | Non affective staff use commercial ISP's. |
| 57 | REMINGTON TECHNOLOGY OFFICE EQUIPMENT AND SUPPLIES HAGEN CENTRAL, WHP | DIGICEL PNG | Work/Communication/Cloud Services | Mobile phone | NO | ICT section of the company blocks social media and illicit illegal sites. | Company filtering system is effective. |
| 58 | Not Provided | DIGICEL PNG/VODAFONE | Work/Communication/Cloud Services/Streaming/Downloading/Research information | Mobile phone/Wifi | NO | Company has company internet use and protocol in place. | The company has a n effective ICF system. However employers believe ISP providers should also filter content. |
| 59 | WESTERN TRUCK PACIFIC LIMITED LOGISTICS COMPANY HAGEN CENTRAL, MT. HAGEN | DIGICEL PNG | Work and Communication | Mobile phone/Wifi | NO | Company does not have filtering mechanisms. Employers use telecommunications service providers to access internet | Employees use Commercial ISP's to access the internet. |

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|----|---|--|--|------------------------------|---------------|---|--|
| 60 | COOL STUFF LIMITED TECHNOLOGY SALES PROVIDER | Not Provided | Not Provided | Not Provided | Not Indicated | Company employees claim access to internet is difficult. Company does not have internet and ICT systems in place. | Company has limited to no capacity. Internet provided by commercial ISPs. |
| 61 | MT. HAGEN_WHP CHEE CB LIMITED WHOLESALE STORE MT. HAGEN_WHP | TELKOM/DIGICEL PNG | Work and Communication | Mobile phone/Wifi | NO | Company does not have network and internet capacity. Employees use commercial ISP for work related activities. | Company has limited capacity for internet connectivity. |
| 62 | KANGE FREEZERS LIMITED | TELKOM/DIGICEL PNG | Work/Communication/Online social networking/online games. | Mobile/Wifi | NO | Company does not have network and internet capacity. Employees use commercial ISP for work related activities. | Company has limited capacity for internet connectivity. |
| 63 | SIMON NORUM & CO. LAW FIRM | Not Provided | Not Provided | Not Provided | Not Indicated | Not Provided | The participant did not provide any information on the survey presented. |
| 64 | LAW CONSULTANCY KIMS PLAZA, MT. HAGEN WIZZY TRANSPORT LIMITED LOGISTICS COMPANY KAGAMUGA, HAGEN | TELKOM/DIGICEL PNG | Work and Communication | Mobile phone/Wifi | NO | Company does not have network and internet capacity. Employees use commercial ISP for work related activities. | The participant did not provide any information on the survey presented. |
| 65 | AMBERA WET FACTORY FOOD & RETAIL COMPANY MT. HAGEN_WHP | TELKOM/DIGICEL PNG/ VODAFONE PNG | Work/Communication/Cloud services/Research information | Mobile phone/Wifi | NO | Company does not have network and internet capacity. Employees use commercial ISP for work related activities. | Company has limited to no capacity. Internet provided by commercial ISPs. |
| 66 | EMEM INVESTMENT TRADING HOSPITALITY INDUSTRY MT. HAGEN_WHP | TELKOM/DIGICEL PNG | Work and Communication | Mobile phone/Wifi | NO | Company does not have network and internet capacity. Employees use commercial ISP for work related activities. | Company has limited to no capacity. Internet provided by commercial ISPs. |
| 67 | MT. HAGEN_WHP AJUOJO BUSINESS GROUP INC BUSINESS GROUP HAGEN CENTRAL_WHP | TELKOM/DIGICEL PNG | Work and Communication | Mobile phone | NO | Company does not have network and internet capacity. Employees use commercial ISP for work related activities. | Company has limited to no capacity. Internet provided by commercial ISPs. |
| 68 | DEPARTMENT OF WORKS INFRASTRUCTURE ROADS & BRIDGES WORKS COMPOUND, MT. HAGEN | TELKOM | Work and Communication | Coaxial Cable | YES | ICT Officers monitor and control internet content accessed by staff members. | More than 15 employees internet use is monitored. |
| 69 | WESTLAND PLUMBING MAINTAINANCE & PLUMBING COMPANY MT. HAGEN_WHP | TELKOM/DIGICEL PNG | Work and Communication | Mobile phone/USB Dongle/Wifi | NO | Company does not have network and internet capacity. | Company has limited to no capacity. Internet provided by commercial ISPs. |
| 70 | KANDA RENT A CAR HIRE CAR COMPANY HAGEN CENTRAL_WHP | TELKOM/DIGICEL PNG | Work and Communication | Mobile phone | NO | Company rarely enforces safe internet content filtering systems. | Capacity does not allow for full network administration capacities. |
| 71 | TENGLU ASSOCIATES CONSULTANCY KAGAMUGA, MT. HAGEN | TELKOM/DIGICEL PNG | Work /Communication/Online social media networking/online | Mobile phone/Wifi | NO | Company is semi professional has no internet capacities. | Commercial IP's are used for official work duties without content filtering. |
| 72 | PAMNE CAR RENTAL LIMITED HIRE CAR COMPANY HAGEN CENTRAL_WHP | TELKOM/DIGICEL PNG | Work/Communication/Online social networking | Mobile phone | NO | Company does not have network and internet capacity. | Commercial IP's are used for official work duties without content filtering. |

ALOTAU ISP SURVEY 2022

| ISP DATA COLLECTIONS - ALOTAU - 25-26TH SEPTEMBER 2023 | | | | | | | | | | |
|---|--------------------------------|--|--|--|---|--|---|---|---|---|
| Organization | Who is your ISP | How long have you been using your current ISP? | What is the main purpose of your usage? | What type of medium is used to access the internet? | Does your ISP restrict your internet usage? | Do you or your organization access content that is restricted or subject to specific regulations in PNG, such as adult content or gambling websites? | If yes, briefly describe the content control mechanism or policies in place (eg. Website, filtering, acceptable use policies, monitoring) | How effective do employees comply to these internal content control measures? | How many people access the internet within your Organization? | Inspection Officer Comment |
| 1 Aotau Bay Hotel, Milne Bay Province | PNG DataCo. | 1-2 years | Work email and communication | Wifi | yes | Yes | Internal Restrict | Very effective | 100 plus | No comment |
| 2 Aotau Urban LLG Local Government | Telikom | 1-2 years | Work email and communication, Video Conferencing, Online Social | Wifi, ADSL | No | Yes | Minimal Restrictions | Not at all effective | 14 work stations | No comment |
| 3 Air Nighth Aotau Branch Archipelago Travel (Cargo, Po Box) O33 Alotau Milne Bay | Digital PNG | 1-2 years | Work email and communication online social networking, streaming media, playing online games and | Mobile Phone, USB Dongle, Fiber Optic | Yes | Yes | Firewall | Very effective | all employees 13 staff | No comment |
| 4 Message Informant Bay Station, Milne Bay Province, Daru Co., Telikom, PNG | Telikom, PNG | 6 years | work email and communication, video conferencing, research and information | Mobile phone, Jusb Dongle, Wifi, ADSL, Fiber Optic, ADSL | NO | NO | NA | Very effective | 150 employees who access the Internet, 5 staff | It is very important that the ISP should provide some ways or form of control over the use of internet. Certain measures should set in providing internet like Blocking. |
| 5 Aotau Campus MBP | Telikom | 3-4 years | work email and communication | ADSL | NO | NO | NA | Not very effective | 5 people | No comment |
| 6 Nur printing and office works | Telikom | 6 years | work email and communication | wifi | NO | NO | NA | Very effective | 5 people | No comment |
| 7 KB Development LTD | Telikom | 1 to 2 years | work email and communication | mobile phone , ADSL | NO | NO | NA | NA | 9 people | No comment |
| 8 Island trading and construction | Altect | 6 years | work email and communication | wifi | NO | NO | NA | NA | 6 people | No comment |
| 9 Milne bay hardware LTD | Digital PNG | 1 to 2 years | work email and communication | wifi phone and satellite | YES | NO | NA | Very effective | 2 people | No comment |
| 10 Milne Bay Estates | Altect | 3 years | work email and communication , video conferencing and cloud services | mobile phone, fiber optic, wifi and satellite | NO | NO | NA | Very effective | 164 people | No comment |
| 11 National Forest Authority | Telikom | 0 years | work email and communication, video conferencing and whatsapp | mobile phone and wifi | NO | Yes | Firewall | Very effective | | Ulebe, Gamsadoudu Hobu, LLC (Aotau District) network is poor. PNGDF Naval Base - Gamsadoudu |
| 12 Chong's Supermarket | Telikom | 6 months to 1 year | work email and communication | coaxial cable | NO | NO | Yalacom | NA | NA | No comment |
| 13 Chemare Group LTD - Chemare Motau | Telikom and Digital PNG | 6 months to 1 year (DIGICEL) 1 year to 2 years | work email and communication | fiber optic | NO | NO | NA | Very effective | 2 people | Our internet usage is mainly for email papers and contact to head office |
| 14 Mustard Seed Finance LTD | Telikom | 1 year to 2 years | work email and communication and process applications | wifi and telikom power | NO | Yes | Firewall | Somewhat effective | 1 access the internet | No comment |
| 15 Ela Motors Aotau | Digital PNG | 5 years | work email and communication and video conferencing | wifi digicel router | NO | No, internet control measures | internet | Very effective | 9 staffs | No comment |
| 16 Navo Fisheries LTD | We do not have an ISP | NA | NA | Data from digicel | NA | NO | NA | Not very effective | 2 staffs | Alless to internet through data and mobile hotspot |
| 17 City Pharmacy LTD | Digital PNG | 1 year to 2 years | work email and communication, online studying and video conferencing | mobile phone and wifi | NO | NO | Firewall | Somewhat effective | One staff | No comment |
| 18 Mickey's Capiper LTD | Telikom | 3 years | work email and communication, reading topics of interest, downloading data and research | mobile phone , wifi and ADSL | YES | Yes | Good | Very effective | 4 staffs | No comment |
| 19 National Airport Corporation Gurney | Telikom, Digital PNG, Vodafone | 1 year to 2 years | work email and communication, video conferencing, Online Social networking, online studying, reading topics of interest and research and information | mobile phone, fiber optic and wifi | Yes | Yes | NACIT policy restrict for work related only | Very effective | 3 staffs have access | National airport corporation- HR ITC POLICY that restrict staff on NACIT users. Senior staff and General staff have access to the internet but some limitation . All user must be work-related. Staff are not spend much time on social network during business hours. Apart from the company |

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|----|---|---|--|--|---|-------------------------|---------------|---|--------------------|-----------------------------------|--|
| 20 | Telikom LTD. | PNG DataCo. | since PNG DATA CO started | work email and communication, blogging, video conferencing, online studying, online social networking, downloading data, streaming media, playing online games and online collaboration. | Fiber optic, satellite and copper cables 1999 internet came up. | NO | Yes | micro soft office application | Very effective | 7 staffs | Company CUG to staffs. |
| 21 | Water PNG LTD | Telikom and PNG DATA CO | 1 year to 2 years | work email and communication, video conferencing, work email and communication | Coaxial cable and CISCO SYSTEM mobile phone | NO | NO | micro soft internet explorer, chrome, firefox, open network | Somewhat effective | 4 staffs | Digital Roster - sawday |
| 22 | Alpha Finance limited | Digital PNG and Vodaphone | less than 6 months, void phone and 15. | work email and communication, video conferencing and research and information | Coaxial Optic and Wifi | NO | NO | website filtering, most websites are not accessed by us due to being NA | Very effective | 1 staff | No comment |
| 23 | Aorau International School | Telikom | 15 years | work email and communication, video conferencing and research and information | Coaxial Optic and Wifi | NO | NO | Presy | Very effective | 5 staffs | All our internet access are being controlled and monitored at our school's head office. |
| 24 | Living Water Mission WC | Telikom and Digital PNG | 6 months to 1 year | work email and communication and research and information | mobile phone and wifi | YES | NO | NA | Very effective | 2 staffs | No comment |
| 25 | Island Petroleum LTD | Telikom and Digital PNG | Less than 6 months Digital and Telkom 40 years | work email and communication, Cloud services and Online social network, Teams | mobile phone and wifi | NO | NO | NA | Very effective | 20 staffs | No comment |
| 26 | Dritwood Resort LTD | Digital PNG | more than 2 years | work email and communication | Wifi | NO | NO | NA | Not very effective | more than 10 staffs | Need control measures to be placed to control internet access. |
| 27 | Naslund Limited | Digital PNG and Telkom | 20 years | work email and communication and video conferencing | ADSL | YES | NO | NA | Very effective | All most all staff total 145 | The employer has control measures in place that monitors staff internet usage. The employer is very strict in that it must be used for work purposes only. |
| 28 | Post PNG Aorau | Digital PNG | 5 years plus | work email and communication and video conferencing | mobile phone, fiber optic and wifi | NO | NO | Force Point Restricted | Somewhat effective | 5 staffs | No comment |
| 29 | New Epoch | Telikom, Digital PNG, Vodaphone | 3 years | work email and communication | Telikom Router and Wifi | NO | NO | NA | Not very effective | 3 staffs have access | No comment |
| 30 | Hekuru Moni LTD T/A Monplus | Telikom, PNG Data CO, Digital PNG and APTIC | 6 years | work email and communication and video conferencing | Coaxial cable and ADSL | NO | Yes | KASPAR | NA | 8 Staffs | No comment |
| 31 | Nahawan Super | Telikom and Digital PNG | 13 years | work email and communication, webex and video conferencing | Fiber Optic, Wifi and Digital Router | NO | Yes | Firewall microsoft office application. | Very effective | 4 staffs | restricted to work purposes only monitored by ICT Pom Office. |
| 32 | Milne Bay Provincial Health Authority. | Telikom | 5 years | work email and communication and file server, database. | Fiber Optic and Fiber Optic | Yes - Telkom manage DNS | own DNS proxy | Firewall from Telkom- telikom router, internal firewall- proxy | Very effective | 150 staffs | connection wireless main AP gives access to teatro medical supplies. Cctv able to view 10 mbps LAN system |
| 33 | Kina Mart Limited | Telikom | 2 years | work email and communication | Wifi and ADSL | YES | NO | NA | Very effective | 3 staffs | No comment |
| 34 | National Resources & Climate Migration Division | Digital PNG and Vodaphone | 5 years | work email and communication, reading topics of interest, online social networking & streaming media. | mobile phone and wifi | NO | NO | NA | Somewhat effective | 8 staffs | No comment |
| 35 | Fusion Milne Bay LTD | Digital PNG | 3 years | work email and communication, video conferencing and online social networking | mobile phone and wifi | YES | NO | NA | Very effective | less than 10 | Cyberbullying has happened here to my family members were the internet service providers should control the information on the internet. |
| 36 | NEWA Limited | Digital PNG | 1 year to 2 years | work email and communication and video conferencing | Mobile phone | NO | NO | NA | Somewhat effective | 2 staffs | The use of can be abused taken the home |
| 37 | Huhur Rural LLG Office | Digital PNG | 1 year | work email and communication | Mobile phone | NO | NO | NA | NA | 8 staffs | No comment |
| 38 | Milne Bay Estates, Workers Union Office | Telikom | 3 years | work email and communication, Dept of Labour | Wifi, Telkom Router | NO | NO | Firewall | Very effective | 3 President General Company Admin | No comment |
| 39 | Pajindo Trading | Telikom and Digital PNG | 4 years | work email and communication, video conferencing, downloading data and online social networking | Mobile phone, wifi, ADSL and Telkom Router. | NO | Yes | Password protected under Telkom. | Somewhat effective | 3 staffs | No comment |
| 40 | Goodman Fielder- Associated Micro | Digital PNG | 11 years | work email and communication | Mobile phone and Desktop PC | NO | Yes | See ICT of Pom 71509349, ANDREA | Very effective | 2 staffs | No comment |
| 41 | Dept of Labour & Industrial Relations | Telikom | 6 months to 1 year | work email and communication, reading topics of interest and online social networking | Mobile phone | NO | NO | NA | NA | NA | The Department doesn't have access to internet service and so officers are subjected to using their own phones to perform their duties. As such, all information provided is |

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|----|---|--|--------------------------|--|--|-------------------|-----------------------------|-----|------------------------------------|------------------------------|------------------|---|
| 42 | Onna Properties LTD | Telikom | 6 years | work email and communication, video conferencing, online studying, cloud services, reading topics of interest, online social networking, downloading data, streaming media and research and development services | Wifi | NO | NO | NO | NA | NA | 6 staffs | Overall, the internet speed is good at the moment however we don't have full control of our user connect in terms of controlling restricted sites contents. The ISP has to give us the access to do so or if they could restrict sites as per our choices. But all in all, every thing seems to be running just fine. |
| 43 | Great Jabil LTD | Vodafone | less than 6 months | work email and communication, video conferencing, cloud services, online social networking, streaming media and downloading data. | Wifi | NO | NO | NO | NA | NA | 3-4 people | No comment |
| 44 | PNG Power LTD | Telikom, PNG Data Co. and Digicel PNG | 15 years | work email and communication and video conferencing. | Mobile phone and USB Dongle. | NO | NO | NO | Firewall | Firewall | 9 people | No comment |
| 45 | Dept of Works & Highways | Telikom | 12 years | work email and communication and video conferencing. | Optic | NO | YES, internal restriction | NO | Firewall | Firewall | 13 people | No comment |
| 46 | Hive Hiwe Lodge - Elitai Enterprise | PNG DataCo. | Less than 6 months | work email and communication | Mobile phone and USB Dongle | No - Open Network | No | No | NA | NA | 6 staffs | No comment |
| 47 | Mine Bay Provincial Hotel | Digicel PNG | 1 year to 2 years | work email and communication, interest and playing online games | mobile | No | No | No | NA | NA | all staff access | Cost of internet services should be reduced and make it affordable for all citizen of PNG. |
| 48 | Mine Bay Provincial Transport Authority's Camar LTD Auto Parts Abau | Telikom, Digicel PNG, Vodafone PNG, Vodapi | 7 years | work email and communication, online social networking, streaming media, downloading data & interest. | Mobile phone & Wifi on computer | No | No | No | Not Applicable | NA | 500 | Thank very much for this survey from your Organisation. We need satellite tower for internet providers to provide more faster connection |
| 49 | Naqia - Abau | Telikom | 7 years | work email and communication | Mobile phone & WIFI | No | No | No | NA | NA | 6 staffs | More satellite tower for internet providers to provide more faster connection |
| 50 | Cameron Secondary School | PNG DataCo. | 6 months to 1 year | work email and communication, Reading topics of interest, Downloading data & Research and Information - Students, Research and Cloud services, Streaming media & Research and Information | Fiber Optic & Coaxial Cable | No | Yes - internal control | Yes | Firewall - Naqia Pom Edward, Imein | Firewall | 4 staffs | No comments |
| 51 | ITI - Abau Mine Bay Province | PNG DataCo. | 8 years | work email and communication, Reading topics of interest, Downloading data & Research and Information - Students, Research and Cloud services, Streaming media & Research and Information | Mobile Phone, Wifi - Local LAN network Router Located @ Abau Education Office - Identifiable LAPTOPS | Yes | No | No | Firewall | Firewall | 50,70 students | Due to power cuts, students do not use the internet access on consistent basis. PNG DataCo donated X10 Laptop's Access social media; Facebook tiktok, Chrome restricts. No YouTube |
| 52 | Haliham Motors Spare parts Distribution | Telikom, Digicel PNG, Vodafone PNG, Internet Serve | 1 year to 2 years | work email and communication, video conferencing, cloud services, online social networking, streaming media, downloading data & interest. | Mobile phone, Wifi, and ADSL | No | No | No | NA | NA | 13 staffs | Telikom internet - When heavy rain comes, we have problem in the internet service. We even faced 2 weeks continuous interruption in the internet service. We actually requested for optic. YALASI internet - When we take previous problem, we take problems in the internet |
| 53 | PNG Customs Service | Digicel PNG | 1 year to 2 years | work email and communication | WIFI | No | No | No | NA | NA | 2 staffs | No comments |
| 54 | New Star Century Ltd Internal Revenue Commission | PNG DataCo. | 1 year to 2 years | work email and communication, video conferencing, Cloud Services & work email and communication | Fiber optic | Yes | Yes | Yes | NA | NA | 3 staffs | All of my officers usage and accessibility to various internet is controlled strictly by ICT team from Customs HQ. That is where filtration is actively done. |
| 55 | Yemi Yat Real Estate Ltd | Telikom | 1 year to 2 years | work email and communication, video conferencing, registration of car files, Research, streaming media & communication | Mobile phone, ADSL, Fiber Optic and Satellite | No | Yes | Yes | Website filtering Monitoring | Website filtering Monitoring | 4 staffs | No comments |
| 56 | Abau Enterprises /NVEL | Telikom | 4 to 5 years | work email and communication | WIFI & ADSL | No | No | No | NA | NA | 3 staffs | No comments |
| 57 | Gilgilli ALOTAU | Telikom ad Digicel PNG | more than 10 years | work email and communication | Mobile phone, Wifi and Fiber Optic | Yes | No | No | No Control | No Control | 30 staffs | No comments |
| 58 | Motor Vehicles Insurance Ltd | Telikom | 24 years | work email and communication, video conferencing | work email and communication | Wifi | Yes | Yes | No | No | 100 staffs | No comments |
| 59 | Trukai Industries | Digicel PNG | 24 years | work email and communication, video conferencing | Digital Route work email and communication | No | Yes - internal Restrictions | No | Firewall | Firewall | 2 Staffs | No comments |
| 60 | NEC Minebay Abau the voice of Kula | NEC Minebay Abau the voice of Kula | 8 years unlimited supply | work email and communication, Online social networking and Research and Information | Mobile phone, Wifi | Yes | Yes | Yes | NA | NA | 15 staffs | No comments |
| 61 | Abau Fire Station | Telikom, Digicel PNG and Vodafone | 1 year to 2 years | work email and communication, Online social networking | Mobile phone, Wifi and Satellite | No | No | No | NA | NA | 2 staffs | Internet Service provider must stop media services providing such as, downloading, incident and immoral information relating to pornography. |

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|----|-------------------------------|----------------------|--------------------|--|--|----|--------------------------|----|--------------------|----------|-------------|
| 65 | Able Computing (PNG) Ltd | Telkome, Digicel PNG | 1 year to 2 years | work email and communication | ADSL | No | No | NA | Very effective | 3 staffs | No comments |
| 66 | Dahli Stationary Masina Lodge | Vodafone HER | less than 6 months | work email and communication, Video Conferencing, and online social networking | Mobile phone, wifi - filtering, Mobile phone, Wifi | No | No - Intrnal Restriction | NA | Somewhat effective | 3 staffs | No comments |
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KIMBE ISP SURVEY 2023

| Internet Service Provider, Data Collection - KIMBE, WEST NEW BRITAIN PROVINCE | | | | | | |
|---|--------------------------|--|--|--|--|--|
| Organization | Who is your ISP Provider | What is the main purpose of your usage | What type of medium is used to access the internet | Does your ISP restrict your internet usage | Additional Information | Inspection Officer Comment |
| 1. HIGHLANDS MERCHANT LIMITED SUPERMARKET STORE KIMBE, WNB | TELIKOM/DIGICEL PNG | Work/Communication/ Online social networking | Mobile phone/Wifi | Yes | Company uses internet filtering system. Monitors employees internet use | Company has an effective filtering system from its ISPs. |
| 2. JIS HOLDINGS INCORPORATED RETAIL STORE | TELIKOM/DIGICEL PNG | Work/Communication | Mobile phone | YES | Participant wrote *Not applicable | Company employees use commercial ISP's. |
| 3. KAHLIB TRANSPORT LIMITED LOGISTICS INDUSTRY KIMBE, WNB | TELIKOM/DIGICEL PNG | Work/Communication | Mobile phone | NO | Participant uses commercial ISP no filtering. | Company has no internet content capacity /mechanisms. |
| 4. H&J BOOK MAKERS GAMBLING ESTABLISHMENT | TELIKOM/VODAFONE | Statistics and information on global gambling trends. | Wifi | NO | Uses unfiltered commercial internet. | Gambling establishment, no internet capacities in place. |
| 5. NO.1 IRE CAR LIMITED HIRE CAR COMPANY TALASEA, WNB | TELIKOM/DIGICEL PNG | Work/Communication | Mobile phone | NO | Head office in Lae, Morobe Province provides internet access to all staff members. | Company internet is filtered. |
| 6. EVASE ELECTRICAL LIMITED | DIGICEL PNG | Work/Communication | Mobile phone | NO | Network in Bialla not reliable for business purposes. | Company does not have internet capacity. |
| 7. BIALLA ENTERPRISES LIMITED RETAIL AND WHOLESALE | DIGICEL PNG | Work and Communication | Mobile phone | NO | Internet is not filtered or monitored. Commercial ISP | 5 employees use unfiltered internet for work purposes |
| 8. NGAITA ENTERPRISES LIMITED RETAIL STORE BIALLA NAKANAI, WNB | DIGICEL PNG | Work and Communication | Mobile phone | NO | Not Provided. | Company does not have internet filtering. |
| 9. DEL MAR MANAGEMENT LIMITED CONSULTANCY FIRM TALASEA, KIMBE | DIGICEL PNG | Work and Communication | Mobile phone/Wifi | NO | Not Provided. | Company does not filter internet connectivity. Limited to 4 employees. |
| 10. ITRADE LIMITED SPARE PARTS RETAILER TALASEA, KIMBE | TEIKOM | Work and Communication | Wifi | NO | Not Provided. | Local retailer does not have internet capacity. |
| 11. KAPIURA ENTERPRISE LIMITED RETAILER KAPIURA, NAKANAI, WNB | TELIKOM | Work/Communication and Online social networking | Mobile phone | NO | No company internet controlling. | Company does not have internet capacity. |
| 12. LALOPO HEALTH CENTRE LALOPO NAKANAI, WNB | TELIKOM/DIGICEL PNG | Work/Communication/Online social networking/research information/streaming | Mobile phone/USB dongle | NO | No internet capacity. | Employees use internet data from commercial ISP's. |

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| 13 | PEOPLES MICROBANK BANKING COMPANY TALASEA, KIMBE | TELIKOM/DIGICEL PNG | Work/Communication/Video conferencing | ADSL | YES | Bank has standard internet and guideline system | 9 Staff memebrs access filtered internet for work. |
| 14 | NEW BRITAIN PALM OIL LIMITED AGRICULTURAL INDUSTRY MOSA/NAKANAI, WNB | DIGICEL PNG | Work/Communication/Video conferencing /Cloud Services/Research information/Downloading | P2P Access Point (other medium) | NO | Digicel installed a Cisco Meraki router on premises to filter company internet use | 350 employees access controlled internet services |
| 15 | CHEMCARE GROUP LIMITED PHARMACEUTICAL COMPANY | DIGICEL PNG | Work and Communication | Wifi | YES | Company monitors internet use. | Only the manager accesses company internet. |
| 16 | FAIRWAY LIMITED TIRE SERVICE COMPANY TALASEA, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Not Provided. | Company claims to have effective monitoring. |
| 17 | KARATO LIMITED RETAIL STORE TALASEA, KIMBE | DIGICEL PNG | Work and Communication | Mobile phone/USB dongle | NO | Digicel filters internet use. | Company uses service provider to filter internet. |
| 18 | KIMBE CONSTRUCTION TRANSPORT LIMITED CONSTRUCTION COMPANY TALASEA, KIMBE | DIGICEL PNG | Work and Communication | Mobile Phone/Wifi | NO | Not Provided. | 12 employees use internet connectivity. |
| 19 | WNB STEEL FABRICATION & WELDING RETAIL LOGISTICS AND SHIPPING | DIGICEL PNG | Work and Communication | Mobile phone/Wifi | NO | Not Provided. | 6 employees use unfiltered internet. |
| 20 | LH TRADING LIMITED RETAIL COMPANY TALASEA, KIMBE TOWN | TELIKOM/DIGICEL PNG | Work/Communication/Reading | Mobile Phone/ADSL | NO | Not Provided. | 4 employees use unfiltered internet |
| 21 | NOT PROVIDED | DIGICEL PNG | Research Information/Studying | USB Dongle | Not indicated | Not Provided. | Company does not have an effective internet usage system |
| 22 | NIUGINI CIVIL PETROLUEM LIMITED PETROLEUM DISTRIBUTOR TALASEA, KIMBE | TELIKOM/DIGICEL PNG | Work and Communication | Mobile Phone/Wifi | NO | Not Provided. | 2 employees use commercial ISP's. |
| 23 | PF ELECTRICAL LIMITED ELECTRICAL COMPANY TALASEA, KIMBE | TELIKOM/DIGICEL PNG | Work and Communication | Mobile Phone/Wifi | NO | Not Provided. | 2 employees use commercial ISP's. |
| 24 | HARGY OIL PALMS LIMITED AGRICULTURAL INDUSTRY BIALLA NAKANAI, WNB | DIGICEL PNG | Work/Communication/Cloud Services /Online social networking/Streaming/Blogging | Mobile Phone/ Wifi /Satellite | YES | Internet wholesalers and providers should in some way be more responsible and accountable for the internet traffic they provide to their customers and should filter accordingly. | Company has an effective internet monitoring and controlling system. |

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|---|----------------------------------|---|---------------------------------|-----|--|---|
| 25 VOLMAL ENTERPRISE LIMITED RETAIL/WHOLESALE SUPPLIER SOI, NAKANAI, WNB | TELIKOM/DIGICEL PNG/ VODAFONE | Work/Communication/Streaming/ Online Tools | Mobile Phone | NO | Not Provided. | Commercial ISP, used by 4 employees. |
| 26 WATER PNG LIMITED GOVERNMENT SOE TALASEA, KIMBE TOWN | TELIKOM/DIGICEL PNG | Work and Communication | Mobile Phone/ ADSL | YES | Internet speed is slow and needs to be updated. Company has a internet filtering system. | Employees access work related websites only. |
| 27 AFFA STATIONARY STATIONARY RETAILER TALASEA, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Internet makes work easy to do. However, there is no control | Company has no internet content control for work place. |
| 28 DEPARTMENT OF WORKS INFRASTRUCTURE ROADS & BRIDGES KIMBE TOWN, WNB | TELIKOM/DIGICEL PNG | Work/Communication/Online social networking/ studying/games | Mobile Phone/ Satellite | YES | Effective internet filtering system, but some employees need to adjust to using filtered internet systems. | Department restricts internet content. Only sites nominated by Office ICT administration are used. |
| 29 NBC, WNB GOVERNMENT MEDIA AGENCY TALASEA, KIMBE TOWN | TELIKOM/DIGICEL PNG | Work/Communication/Online social networking/Streaming/Research information/ Reading | Mobile phone/USB dongle/ADSL | NO | Internet access is provided for work, but no system in place to monitor and control usage. | Company does not have internet filtering system. |
| 30 MAGISTRAL SERVICES, WNB COURTS & LAW TALASEA, KIMBE | TELIKOM | Work and Communication | Wifi | YES | WNB Government has introduced ISP restrictions to control internet access for children | WNB Government is working with ISP's to control content. |
| 31 MOTORIST DISCOUNT CENTRE LIMITED VEHICLE SPARE PARTS WORKEA, TALASEA, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Use internet for work purposes. | Company has internet usage guidelines. |
| 32 HYC TRADING RETAIL STORE KIMBE, WNB | TELIKOM | Online social networking | Mobile Phone | NO | Not Provided. | No company internet system capacities. |
| 33 BHP STEEL BUILDING LIMITED METAL FABRICATION MOROKEA, TALASEA, WNB | TELIKOM/DIGICEL PNG | Work and Communication | Mobile phone/Wifi | NO | Internet makes work easier. | Company claims internet content filtering is effective. 4 employees access internet. |
| 34 KUMI SEETO CAFÉ CAFÉ BUSINESS KISERE TALASEA, WNB | TELIKOM/DIGICEL PNG | Work and Communication | Mobile Phone | NO | Not Provided. | 2 employees use uncontrolled internet from commercial ISP. |
| 35 CLB LIMITED RETAIL SHOPPING CENTRE | DIGICEL PNG | Work/Communication/Video conferencing, Streaming/Reading/Downloading/Gaming | Mobile Phone | NO | Not Provided. | 4 employees use assumed uncontrolled internet. |
| 36 MIBANK, WNB BANKING INSTITUTION BIALLA NAKANAI, WNB | TELIKOM | Work/Communication and bank related systems | Coaxial Cable | YES | No comment | Company has internet access for work, email and working systems. |

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| 37 | HOSKINS GIRLS TECHNICAL COLLEGE EDUCATION & TRAINING KIMBE, WNB | TELIKOM | Work/Communication/Online social networking/Streaming/Downloading | Mobile Phone/Wifi | YES | We should come up with a control mechanism that will control the usage of websites and restrict other websites. | About 10 employees use open network internet with no control mechanisms. |
| 38 | NIUGINI HELICOPTERS LIMITED HELICOPTER SERVICING COMPANY TALASEA, KIMBE TOWN | TELIKOM | Work and Communication | Mobile Phone/Wifi | YES | Not Provided. | Employees use restricted internet for work purposes. |
| 39 | LEGEND DEVELOPMENT LIMITED RETAIL & SALES NAKANAI, WNB | DIGICEL PNG | Work/Communication/Cloud Services/Online tools/Downloading | Mobile Phone | NO | Not Provided. | About 25 staff members access limited restricted internet services. |
| 40 | HAMAMAS TRADING RETAIL STORE MAMOLA NAKANAI, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Mobile phone internet used to communicate for work. | Company claims to have internet control. Limited to 2 employees. |
| 41 | JIMTHONG LIMITED RETAIL & WHOLESALE BIALLA NAKANAI, WNB | DIGICEL PNG | Work/Communication/Online social networking/Streaming/Downloading | Mobile Phone | NO | Not Provided. | Claims to be effective, limited to 2 employees. Uses commercial ISP |
| 42 | ALIBA LIMITED TYRE SERVICE BIALLA NAKNAI, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Employees use mobile phone to access Gmail for work purposes | Less than 5 employees use commercial ISP. |
| 43 | GR LOGGING LIMITED LOGGING COMPANY MOROKEA, KIMBE | DIGICEL PNG/VODAFONE | Work and Communication | Mobile Phone/Wifi | NO | Not Provided. | 2 employees access unrestricted internet |
| 44 | ISLAND MOBILE HIRE VEHICLE HIRE COMPANY TALASEA, WNB | DIGICEL PNG | Work and Communication | Mobile Phone/Wifi | YES | Registration of sim cards to be effective. Especially for mobile users that access indecent items. | 7 employees internet usage is controlled. |
| 45 | MARCUS STATIONARY LIMITED STATIONARY SUPPLIER BIALLA NAKANAI, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Not Provided. | No internet capacity. |
| 46 | HARGY DEVELOPMENT LIMITED CIVIL CONSTRUCTION HARGY NAKANAI, WNB | DIGICEL PNG | Work and Communication | Mobile Phone/USB Dongle | NO | Internet must be restricted from sites that are harmful, like pornography. | Claim to have effective content filtering in place. |
| 47 | HOSKINS SECONDARY SCHOOL EDUCATION INSTITUTE HOSKINS, WNB | TELIKOM/DIGICEL PNG/VODAFONE | Work/Communication/Online tools/Studying/Research Information | Mobile Phone | NO | At the moment still finds difficulty with internet connection. | Company uses unrestricted commercial ISP. |
| 48 | WM PEST CONTROL LIMITED PEST CONTROL COMPANY | TELIKOM/DIGICEL PNG/VODAFONE | Work/Communication/Online social networking/streaming | Mobile Phone | NO | Not Provided. | Commercial ISP. No restrictions. |

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| 49 LOBEKU LODGE LODGE ACCOMODATION ALING TALASEA, WNB | DIGICEL PNG | Work/Communication/Online social networking/Research information/ Customer Response (other) | Mobile Phone/ Wifi | YES | The only people that access our internet, are our customers and receptionists for customer services. | ISP provides data restrictions. |
| 50 KENJI MINI FINANCE LIMITED FINANCE COMPANY NAHAVIO NAKANAI, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Not Provided. | Commercial unrestricted ISP. |
| 51 CALL INN RESTURANT & LODGE HOSPITALITY INDUSTRY, TALASEA, KIMBE | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Not Provided. | 4 employees use commercial unrestricted ISP. |
| 52 DIGICEL PACIFIC LIMITED TELECOMMUNICATIONS PROVIDER WESTPAC, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | YES | PNG internet network still slow, takes time to load. No restrictions in place. | Company monitors about 20 employees internet use. |
| 53 KULEX AUTO REPAIR WORKSHOP AUTO WORKSHOP KULUNGI TALASEA, WNB | DIGICEL PNG | Work and Communication | Mobile Phone/ Wifi | NO | Not Provided. | Effective restrictions for limited 3 employees. |
| 54 MATALIU FUEL DISTRIBUTOR FUEL DISTRIBUTOR BIALLA NAKANAI, WNB | TELIKOM/DIGICEL PNG | Work and Communication | Mobile Phone | NO | Slow internet access. No information on company ISP | Commercial ISP unrestricted use. |
| 55 INTERNATIONAL TRAINING INSTITUTE EDUCATION INSTITUTION MOROKEA TOWN, WNB | TELIKOM | Work and Communication | Wifi/ADSL | NO | The ISP sometimes not effective in control mechanism, internet access is very slow | Commercial ISP unrestricted use. |
| 56 BULUMA ENTERPRISE LIMITED RETAIL STORE BULUMA NAKANAI, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Internet service is very slow within the school premises. | Commercial ISP unrestricted use. |
| 57 BIALLA SCONDARY SCHOOL EDUCATION INSTITUTE BIALLA NAKANAI, WNB | TELIKOM/DIGICEL PNG/ VODAFONE | Work/Communication/Streaming/ Online Tools/Studying/Research Information | Mobile Phone | NO | Internet access not reliable, because of poor network connectivity. | Commercial ISP unrestricted use. |
| 58 NAHAVIO STATIONARY SUPPLY STATIONARY SUPPLIER NAHAVIO NAKANAI, WNB | TELIKOM/DIGICEL PNG | Work/Communication/Online social networking | Mobile Phone | NO | Access internet using mobile phone for communication and work purposes. | Commercial ISP unrestricted use. |

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| 59 KAULONG INVESTMENT LIMITED CIVIL CONSTRUCTION CENTRAL NAKANAL, WNB | TELIKOM/DIGICEL PNG/ VODAFONE | Work/Communication/Research Information | Mobile Phone | NO | Not Provided. | Commercial ISP unrestricted use. |
| 60 AUSKOA ENTERPRISES RETAIL & WHOLESALE BIALLA, WNB | DIGICEL PNG | Online social networking | Mobile Phone | YES | Not Provided. | Commercial ISP. Unrestricted use. |
| 61 NEWTOWN STORE LIMITED RETAIL & WHOLESALE | DIGICEL PNG | Work/Communication/Online social networking/Streaming | Mobile Phone | NO | Not Provided. | Company is unaware of ISP restrictions. Self regulated internet use. |
| 62 DAGI INN HOSPITALITY INDUSTRY DAGI TALASEA, WNB | TELIKOM/DIGICEL PNG | Work/Communication/Online social networking | Mobile Phone | NO | Not Provided. | Unrestricted internet accessed form ISPs. |
| 63 JB INVESTMENT LIMITED ACCOUNTING FIRM KISERE TALASEA, WNB | TELIKOM/DIGICEL PNG/ VODAFONE | Work and Communication | Mobile Phone | NO | Not Provided. | Commercial ISP with unrestricted use |
| 64 MOSA INTERNATIONAL SCHOOL SCHOOL MOSA NAKANAL, WNB | TELIKOM/DIGICEL PNG | Work/Communication/Video conferencing /Studying/Reading/Research Information | Mobile Phone/ Wifi | NO | Not Provided. | Uses commercial ISPs for connectivity. |
| 65 KIMBE SECONDARY SCHOOL EDUCATION INSTITUTION KIMBE, WNB | TELIKOM | Work/Communication/Cloud Services/ Online social networking/Streaming/ Blogging/Studying/Reading/Downloading/ Games | Mobile Phone/ Wifi/ADSL | NO | School has own policy, rules and guidelines for internet use. | School believes ISSPs should control access to harmful websites more. |
| 66 NUMONDO BEEF FARMING INDUSTRY NUMUNDO TALASEA, WNB | TELIKOM/DIGICEL PNG/ VODAFONE | Work and Communication | Mobile Phone | NO | Network slow when using mobile phone to go online. No internet capacity. | |
| 67 BIALLA STAYWELL LODGE HOSPITALITY INDUSTRY NAKANAL, WNB | DIGICEL PNG | Work and Communication | Wifi | NO | Not Provided. | No capacity. |
| 68 ASPELS PRODUCTION LIMITED PRODUCTION COMPANY TALASEA, KIMBE | DIGICEL PNG | Work and Communication | USB Dongle/Wifi | YES | Not Provided. | 8 users use commercial ISP. |
| 69 WNB SPORTS DEVELOPMENT AUTHORITY GOVERNMENT SPORTS INSTITUTION | WNB PA2 (OTHER) | Work and Communication | Wifi | YES | ISP control mechanism | Only 3 employees access controlled internet. |
| 70 LEON ENTERPRISE HARDWARE RETAILER KIMBE, WNB | TELIKOM | Cloud Services | Wifi | NO | Not Provided. | |

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| 71 SANREMO CLUB SPORT SOCIAL CLUB TALASEA, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | The internet makes life easier for people, businesses and schools. San Remo does not have internet services. | Commercial ISP. |
| 72 AIRPORT HOTEL HOSPITALITY INDUSTRY HOSKINS, WNB | TELIKOM/DIGICEL PNG/ VODAFONE | Work/Communication/Online social networking/Reading | Mobile Phone/Wifi | NO | Use internet to access email. Not that reliable. | Commercial ISP. |
| 73 CITY PHARMACY KIMBE PHARMACITICAL STORE KISENE, WNB | TELIKOM/DIGICEL PNG | Work and Communication | USB Dongle/Wifi | YES | The internet is filtered | ISP filters internet connectivity for employees. |
| 74 JKT LIM LIMITED ELECTRICAL COMPANY TALASEA, WNB | TELIKOM/DIGICEL PNG | Work/Communication/Video conferencing /online social networking | Mobile phone/ USB Dongle | NO | Not Provided. | Commercial unfiltered ISP. |
| 75 BRIAN BELL TRADE & ELECTRICAL ELECTRICAL/WHOLESALE ER TALASEA, KIMBE | TELIKOM/VODAFONE | Work/Communication and Cloud services | Not Provided | YES | Company filters internet through ICT and Headquarters. | Filtering System in place. |
| 76 CARTAS TECHNICAL SECONDARY SCHOOL EDUCATION INSTITUTE TALASEA, KIMBE | TELIKOM | Work and Communication | Mobile Phone/Wifi | YES | Internet service is very slow. | Commercial ISP. |
| 77 7 MART STORE SUPERMARKET RETAILER TALASEA, KIMBE | DIGICEL PNG | Work/Communication/Online social networking/Games | Mobile Phone | NO | We use internet for company work, but it is not controlled. | Commercial ISP. |
| 78 SUPER TANG TRADING LIMITED RETAIL STORE TALASEA, KIMBE | TELIKOM/DIGICEL PNG/ VODAFONE | Work/Communication/Downloading/ Reading/Games | Mobile Phone/Wifi | NO | The internet is very helpful. | Did not indicate if control measures in place. |
| 79 ARROW TRADING LIMITED RETAIL STORE KIMBE, WNB | DIGICEL PNG | Work/Communication/Cloud services/ Streaming/Blogging | Mobile Phone | NO | Firewall blocking. | Employees access sites that are allowed by IT only. |
| 80 FORINI INVESTMENT GAMBLING ESTABLISHMENT | TELIKOM | Streaming and Online Collobaration | Wifi | YES | Not Provided. | No internet services. |
| 81 NOT PROVIDED | DIGICEL PNG | Work/Communication/Video conferencing /Online social networking/Cloud Services | Mobile Phone/Wifi | NO | Some restrictions for some websites. | Manager only access restricted internet. |
| 82 HOTEL GENESIS HOSPITALITY INDUSTRY TALASEA, WNB | TELIKOM | Work and Communication | Wifi | Not Indicated | Not Provided. | |
| 83 TAYUR LODGE HOSPITALITY INDUSTRY KIMBE, TALASEA | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Not Provided. | Commercial ISP. |
| 84 JIS HOLDINGS LIMITED RETAIL AND WHOLESALE KISERE, KIMBE | TELIKOM/DIGICEL PNG/ VODAFONE | Online social networking | Mobile Phone | NO | No internet. | |

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| 85 | LIAMO REEF RESORT HOSPITALITY INDUSTRY KIMBE, WNB | EXCIT LIMITED (OTHER) | Work/Communication/Cloud services/ Streaming/Online social networking | Wifi/ADSL | YES | All ISPs must adhere to government laws. We have website filtering. | Company has internet filtering control system. |
| 86 | RABUAL METAL INDUSTRIES METAL/FABRICATION & WELDING | PNG DATA CO/KACIFIC/ BNG (OTHER) | Work and Communication | Mobile Phone/ Wifi/ADSL/Fibre Optic/Satellite | YES | Company has internet policy. However, no ISP control measures in place to filter websites from illegal content. | Company has internet use policy. |
| 87 | PAPINDO TRADING SUPERMARKET RETAILER TALASEA, WNB | TELIKOM/DIGICEL PNG | Work and Communication | Wifi | Not indicated | Not Provided. | NOT PROVIDED |
| 88 | NOT PROVIDED | NOT PROVIDED | Not provided. | Not Provided | Not provided | Not Provided. | NOT PROVIDED |
| 89 | NOT PROVIDED | TELIKOM | Work and Communication | Mobile Phone | NO | Not Provided. | |
| 90 | HYC TRADING WHOLESALE & RETAIL STORE KIMBE, WNB | TELIKOM/DIGICEL PNG | Work and Communication | Mobile Phone/ Wifi | NO | Not Provided. | |
| 91 | WFG SECONDHAND CLOTHES RETAILER KIMBE, WNB | DIGICEL PNG | Work/Communication/Cloud services/ Streaming/Online social networking | Mobile Phone | NO | Not filtered | |
| 92 | EVERGOLD LIMITED RETAIL SUPERMARKET KIMBE, WNB | DIGICEL PNG | Work and Communication | Mobile Phone | NO | Not Provided. | |
| 93 | UPNG OPEN COLLEGE EDUCATION INSTITUTE KIMBE, WNB | TELIKOM/DIGICEL PNG/ VODAFONE | Work/Communication/Online social networking/research information/ streaming | Mobile Phone/ Wifi/USB dongle | NO | Not Provided. | |
| 94 | WEST OIL TRANSPORT LIMITED LOGISTICS COMPANY MOROKEA, WNB | TELIKOM/DIGICEL PNG | Work/Communication/Online social networking/Streaming | Mobile Phone/ Wifi/USB dongle | NO | Not Provided. | |
| 95 | KIMBE BAY HOTEL HOSPITALITY INDUSTRY HAELLA, WNB | DIGICEL PNG/VODAFONE | Work/Communication/Online social networking/Streaming | Mobile Phone | YES | Hotel has control and filtering system in place. | Internet is controlled for guest users. |
| 96 | MOSA JUNIOR CLUB PUBLIC CLUB MOSA NAKANAI, WNB | TELIKOM/DIGICEL PNG/ VODAFONE | Work/Communication/Online social networking/Streaming | Mobile Phone | NO | Not Provided. | |
| 97 | LOYAZZ TRADING LIMITED KIMBE, WNB | TELIKOM/DIGICEL PNG | Work/Communication/Streaming/Games | Mobile Phone/ ADSL | NO | Not Provided. | |
| 98 | TELIKOM LIMITED WNB TELECOMMUNICATION EXTENSION SOE MEGA MART, WNB | TELIKOM/ LAN EXTENSION (OTHER) | Work and Communication | Point to Point (other) | YES | All related issues controlled by IT helpdesk Team in Port Moresby. Company has filtering system. | Company has internet usage policy and internet filtering control mechanisms. |

WEWAK ISP SURVEY 2023

| Internet Service Provider, Survey Summary- Wewak, East Sepik Province | | | | | | |
|---|---------------------------------|---|--|--|------------------------|----------------------------|
| Organization | Who is your ISP Provider | What is the main purpose of your usage | What type of medium is used to access the internet | Does your ISP restrict your internet usage | Additional Information | Inspection Officer Comment |
| 1. Telkom, Wewak | Telikom provided by PNG DataCo. | Work and Communication | Sea-link Tower | Yes | | |
| 2 TANMOW Hardware | Digicel PNG | Work and Communication | Mobile Phone/Wifi | Yes | | |
| 3 Customs Wewak | PNG DataCo. | Work and Communication | Wifi | No | | |
| 4 Village Inn, Wewak | Vodafone | Work and Communication | Wifi | No | | |
| 5 Sea View Hotel, Wewak | Digicel PNG | Work and Communication | Mobile phone/USB Dongle | No | | |
| 6 Wewak Boutique Hotel | Digicel PNG | Work and Communication/Video conferencing | Mobile Phone/Wifi | Yes | | |
| 7 IEA International School, Wewak | Telikom provided by PNG DataCo. | Work and Communication | Wifi | Yes | | |
| 8 PNG Electoral Commission, Wewak | Telikom/Digicel PNG | Work and Communication/Video conferencing | Wifi/ADSL | Yes | | |
| 9 IRC, Wewak | Telikom | Work and Communication/Accounting Systems (other) | Personal Computer | Yes | | |
| 10 ABC, Wewak | SDA Mission Wifi (other) | Work and Communication/Video conferencing/Reading/ Downloading | Mobile Phone/Computer (other) | Yes | | |
| 11. Maprik District Administration | Telikom/Digicel PNG/Vodafone | Work and Communication/Cloud Service/ Streaming media/Online Studying/Downloading Playing games/Online collaboration tools | Mobile phone/USB Dongle/Wifi | No | | |
| 12 Wewak Pharmacy Chemcare | Telikom | Work and Communication | Wifi | No | | |
| 13 Papindo, Wewak Town | Digicel PNG | Work and Communication | Mobile Phone | No | | |
| 14 Chemcare Group Ltd, Maprik | Digicel PNG | Work and Communication/ Research | USB Dongle | No | | |
| 15 Womens Microbank, Maprik | Digicel PNG | Work and Communication/Video conferencing/ Streaming/Downloading | Mobile Phone/Wifi | No | | |
| 16 George Seto Ltd, Wewak | Telikom/Digicel PNG | Work and Communication | Mobile Phone/ADSL | No | | |
| 17 Hillside Hardware, Maprik | Telikom | Work and Communication | Mobile Phone | No | | |
| 18 Maprik District Health Service | Digicel PNG | Work and Communication/ Studying | Mobile Phone | No | | |

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|----|---|--|---|--|---------------|
| 19 | Bob Spence Technical High School, Wewak | Telikom/Digicel PNG | Work and Communication/ News (others) | Mobile Phone/Wifi | No |
| 20 | TANMOW, Maprik | LightSpeed (other) Digicel PNG | Work and Communication | Wifi/ Mobile Phone/ ADSL/SISCO phone (other) | No |
| 21 | Nambawan Super, Maprik | Digicel PNG | Work and Communication/Video Conferencing/Downloading | Wifi | No |
| 22 | TANGMOW Ltd, Wewak | LightSpeed (other) Telikom/Digicel PNG | Work and Communication | Wifi | No |
| 23 | Hardware Haus, Wewak | Telikom/Digicel PNG | Work and Communication | Mobile Phone (CUG) | No |
| 24 | GuardDog Security Services, Wewak | Telikom | Work and Communication | Mobile phone/USB Dongle/Wifi | No |
| 25 | Department of Finance, Maprik | Telikom/Digicel PNG | Work and Communication/Online social networking/Streaming/Downloading/Online games | Mobile Phone/Wifi | Yes |
| 26 | Hardware Haus, Maprik | Digicel PNG | Work and Communication | Wifi | Not indicated |
| 27 | Hayfield Technical School, Maprik | Telikom/Digicel PNG | Work and Communication | Mobile Phone | No |
| 28 | NOKO Trading Ltd, Maprik | Telikom/Digicel PNG | Work and Communication | Telikom ADSL | No |
| 29 | Not Indicated | Digicel PNG | Work Communication/Online social networking | Mobile Phone/Wifi | Yes |
| 30 | Best Price Ltd, Maprik | Digicel PNG | Streaming/Online social networking | Mobile Phone | No |
| 31 | Garamut Enterprise Ltd, Wewak | Excite PNG | Work and Communication | ADSL | Yes |
| 32 | Wewak Music Center | Kumul Soft (other) | Work and Communication | Mobile Phone/Wifi | Yes |
| 33 | GLICO Investment, Wewak | Mobile Phone | Work and Communication | Mobile Phone | No |
| 34 | YANG YNG Trading | Digicel PNG/Vodafone | Work and Communication/Downloading/Online social networking | Mobile Phone | Yes |
| 35 | LEMOTRONICS, Wewak | KACIFIC (other) | Work and Communication/ Online Collaboration tools | Satellite | No |
| 36 | Golden Zhang Investment, Wewak | Digicel PNG | Work and Communication | Mobile phone | Yes |
| 37 | Post PNG Limited | Digicel PNG | Work and Communication | Mobile phone | No |
| 38 | Nasfund, Maprik | Telikom | Work and Communication/ AOL Nasfund System (other) | Coaxial cable/ Satellite | Yes |
| 39 | Peoples Microbank, Maprik | Telikom/Digicel PNG | Work and Communication/ Abacus System (other) | Wifi/Server Router (other) | Yes |
| 40 | National Development Bank, Maprik | Telikom/Digicel PNG | Work and Communication/Video Conferencing | Mobile phone/ Digicel VSAT LINK (other) | Yes |
| 41 | Wewak Agency Ltd | Digicel PNG | Work and Communication | Mobile Phone | No |
| 42 | United Autoparts, Wewak | Telikom/Digicel Png/ Vodafone | Work and Communication/Video conferencing /online social networking/Online studying/Downloading/Playing games | Mobile Phone/Wifi | Not Indicated |
| 43 | JIA WEI 2, Wewak | Telikom/Digicel Png/ Vodafone | Work and Communication | Mobile Phone | Yes |
| 44 | Chemica Ltd | Vodafone | Work and Communication | Wifi | No |

| | | | | | |
|----|---|-------------------------------|--|--|---------------|
| 45 | Jade Island, Dagua, Wewak | Digicel PNG | Work and Communication | Mobile Phone | No |
| 46 | Shoprite, Wewak | Telikom/Digicel PNG | Work and Communication | Mobile Phone/ ADSL | No |
| 47 | EZICO Company Ltd, Wewak LightSpeed (other) | | Work and Communication | Satellite | No |
| 48 | Home Centre, TANMOW, Wewak | Digicel PNG | Work and Communication | Mobile Phone | No |
| 49 | Ela Motors, Wewak | Digicel PNG | Work and Communication/Video Conferencing/Cloud Services/ Online training (other) | Wifi | Yes |
| 50 | Christian Books Melanesia INC, Wewak | Exite (other) | Work and Communication/Online studying/ Downloading/Video conferencing | ADSL | Yes |
| 51 | Island Mobile Hire Cars, Wewak | Digicel PNG | Work and Communication | Wifi/Digicel Router (other) | No |
| 52 | ESP, Provincial Health Authority | Telikom | Work and Communication/Video Conferencing/Online Social networking/Reading/Downloading | Fibre Optic cable/ Alesco System (other) | Yes |
| 53 | ZAP Hire Escort Services | Digicel PNG | Work and Communication | Mobile Phone | No |
| 54 | Talio Lodge, Wewak | Telikom | Work and Communication/Video conferencing/Online studying | Wifi/Telikom router (other) | No |
| 55 | JIA WEI CO. Ltd | Telikom/Digicel Png/ Vodafone | Work and Communication | Mobile Phone/Wifi | No |
| 56 | Express Freight Management, Wewak | Digicel PNG | Work and Communication/Video conferencing Wifi | Wifi | Yes |
| 57 | Eliven Ltd | Digicel PNG/Vodafone | Work and Communication/Online social networking | Wifi | No |
| 58 | PARADISE NEW WEWAK HOTEL | Digicel PNG | Work and Communication | Mobile Phone/Wifi/ ADSL | No |
| 59 | AIRPORT LODGE, WEWAK | Digicel PNG/Vodafone | Work and Communication | Mobile Phone | Not indicated |
| 60 | ESP Provincial Administration | Telikom/Exite PNG (otf) | Work and Communication/video conferencing/Online social networking/streaming/downloading (other) | Mobile Phone/Wifi/ Fixed LAN cable (other) | No |
| 61 | Leon Enterprise Ltd, Wewak | Telikom | Work and Communication | ADSL | Not indicated |
| 62 | HAWANI Ltd, Wewak | Digicel PNG | Work and Communication | Mobile Phone | No |
| 63 | NGIP AGMARK LTD | Telikom/Digicel PNG | Work and Communication/Downloading | Mobile Phone/USB Dongle/ADSL | No |
| 64 | City Pharmacy, Wewak | Digicel PNG | Work and Communication/Video Conferencing Wifi | Wifi | Yes |
| 65 | BJAKES TRADING, Wewak | Digicel PNG | Work and Communication | Mobile Phone | Yes |
| 66 | RENAME AUTO REPAIR, Wewak | Digicel PNG | Work and Communication/Online social net-working/streaming/online games | Mobile Phone | No |
| 67 | PNG Air, Wewak | Telikom/Digicel PNG | Work and Communication | Wifi | Yes |
| 68 | MAF PNG Ltd, Wewak | VSAT (other) | Work and Communication/Video conferencing ADSL | ADSL | Yes |
| 69 | South Seas Tuna Corporation Ltd | Telikom/Digicel PNG | Work and Communication/ Video Conferencing/online studying/downloading | Wifi | No |
| 70 | Puma Energy, Wewak | Digicel PNG | Work and Communication/video conferencing Wifi/ADSL | Wifi/ADSL | No |
| 71 | PNG Power Ltd, Wewak | Telikom/Digicel PNG | Work and Communication/ Business (other) | Mobile Phone/Wifi | No |

| | | | | |
|--|----------------------------------|---|--|---------------|
| 72 PNG Forest Authority, Wewak | Telikom | Work and Communication | Mobile Phone/Wifi | Not indicated |
| 73 Trukai Industries Ltd, Wewak | Digicel PNG | Work and Communication | Mobile Phone/Wifi | No |
| 74 MIJOE Finance, Wewak | Digicel PNG | Work and Communication | ADSL | NO |
| 75 HELP RESOURCES NGO, Wewak | Telikom/Digicel Png/ Vodafone | Work and Communication/Video conferencing/Online social networking/ Streaming/Reading/Downloading/Online Games/Research | Wifi | No |
| 76 JEIDO TRADING, Wewak | Telikom/Digicel PNG | Work and Communication | Mobile Phone/Wifi | No |
| 77 Nambawan Super Ltd, Wewak | Telikom/Digicel PNG | Work and Communication | Server (other) | No |
| 78 United Finance, Wewak | Digicel PNG | Work and Communication | Mobile Phone | No |
| 79 Hillside Hardware Ltd, Wewak | Telikom | Work and Communication | Wifi/Router(other) | No |
| 80 FEDEX TNT Air Freight, Wewak | Digicel PNG | Work and Communication | Mobile Phone | No |
| 81 JANEDY Stationary Service, Wewak | Telikom/Digicel PNG | Work and Communication | Mobile Phone | Not indicated |
| 82 HERTZ Rent a Car, Wewak | Digicel PNG | Work and Communication | Wifi | No |
| 83 Swire Shipping, Wewak | Telikom/Digicel Png/ Vodafone | Work and Communication | Wifi/Telikom router (other) | No |
| 84 Builders & Contractors, Wewak | Digicel PNG | Work and Communication | Mobile Phone | No |
| 85 NIUGINI BUSINESS EXPERTS, Wewak | Telikom | Work and Communication | Mobile Phone | No |
| 86 ESP Deputy Provincial Administrator | Telikom/Digicel PNG/ Vodafone | Work and Communication/Reading/Downloading/Online games | Mobile Phone/Wifi /ADSL/Coaxial cable | Not indicated |
| 87 Womens Microbank, Wewak | Digicel PNG | Work and Communication | Wifi | No |
| 88 Central Business Systems, Wewak | Digicel PNG | Work and Communication | Wifi | No |
| 89 Micro Finance Ltd, Wewak | Telikom PNG | Work and Communication | Mobile Phone/Wifi | No |
| 90 Norman Finance, Wewak | Telikom/Digicel PNG | Work and Communication | Mobile Phone/ADSL | No |
| 91 Jade Island, Dagua, Wewak | Vodafone | Work and Communication | Mobile Phone | No |
| 92 Golden Zhang Investment, Wewak | Digicel PNG/Vodafone | Work and Communication | Mobile Phone | No |
| 93 Wewak Printing | Digicel PNG | Work and Communication | Mobile Phone | Yes |
| 94 PNG Ports, Wewak | Telikom | Work and Communication/Video conferencing/Streaming/Online studying/Research | Mobile Phone/Wifi/ ADSL | Yes |
| 95 Digicel PNG Ltd, Wewak | Digicel PNG | Work and Communication/Video Conferencing /Cloud Services | Mobile Phone/USB Dongle/Wifi/ADSL/ Fibre Optic/Satellite | No |

| | | | | |
|-------------------------|---------------------|--|--------------|---------------|
| 96 SEPIK AIC Ltd, Wewak | Excite PNG (other) | Work and Communication/ Video Conferencing | Wifi | No |
| 97 TISA, Wewak | PNG DataCo. (other) | Work and Communication/Video Conferencing | ADSL | No |
| 98 Not Indicated | Digicel PNG | Work and Communication | Mobile Phone | Not indicated |



