

United Nations Internet Governance Forum Dynamic Coalition of Small Island Developing States in the Internet Economy (DC-SIDS)

ANNUAL REPORT - 2023



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UN-IGF DC-SIDS Roundtable

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IGF 2023 DC-SIDS Addressing the Challenges of a Unified SIDS Digital Platform

Session	Report
Key Takeaways (* deadline 2 hours after session) Global communities should seek to adopt and apply UNESCO's ROAM-X Internet Universality Indicators framework as a tool for evaluating and enhancing Internet development in Small Island Developing States (SIDS). Using readiness assessments and similar toolkits can help strategically address digital challenges and promote inclusive growth in SIDS regions. Call to Action (* deadline 2 hours after session) Local SIDS communities and global fora must coordinate in order to actively voice SIDS-specific issues, including the establishment of Internet Exchange Points (IXPs), strengthening cybersecurity, and fostering local digital fora. Supporting organisations interested in SIDS issues can work together, co-ordinated by the DC-SIDS, to identify solutions and help implement digital tools to catalyze cooperation between and within SIDS regions ensuring best fit and sustainable approaches. Session Report (* deadline 26 October) - click on the ? symbol for instructions Introduction & Setting the Scene During this Roundtable, the lead discussants addressed several critical aspects related to Small Island Developing States (SIDS) and the pressing need for a unified SIDS digital platform. Tracy Hackshaw, one of the co-chairs of the Dynamic Coalition at Small Island Developing States (DC-SIDS), initiated the session by underlining the importance of collaboration and communication among SIDS to tackle on a high-level the digital challenges they face. Rodney Taylor, Secretary General of the Caribbean Telecommunications Union (CTU) and Maureen Hilyard, the other DC-SIDS co-chair delved into the challenges encountered by SIDS when engaging with international organizations. Insufficient resources and personnel limit their participation in various processes. However, they celebrated the success of the first SIDS Internet Governance Forum in 2022 and advocated for greater attention to digital governance in these regions. Andrew Molivurae provided insights into the Pacific Internet Governance Forum (IGF), highlighting its fifth year and the diverse topics covered, such as emerging technologies, connectivity, and cybersecurity. Collaboration with organizations like AuDA, InternetNZ, and ISOC was highlighted. Maureen Hilyard introduced the concept of "platform cooperativism" as a strategic approach, focusing on human rights and creating a democratic digital economy. Additionally, the use of Internet universality indicators was presented, promoting principles such as human rights and openness in the digital realm. The operationalization of these principles was provided by UNESCO's Tatevik Grigoryan by introducing the ROAM-X framework. By embracing ROAM-X, SIDS can address digital challenges and promote inclusive growth in these regions. The discussion then shifted towards the importance of multi-stakeholder participation and capacity building, emphasizing that this approach is relevant for all countries, not just developing ones. The necessity for continuous collaboration in a working environment, rather than just periodic events, was stressed. The success of long-running events like the Caribbean Internet Governance Forum (IGF) was showcased as a model of effective policy framework development and updates. The lead discussants concluded their segment by emphasizing the need for a unified SIDS digital platform to address the challenges faced by SIDS effectively. They called for active engagement and visibility in the International Governance Forum (IGF) space to amplify the voices of SIDS. Discussant Interactions/Roundtable Discussion The second part of the workshop opened the Roundtable to interactions with additional discussants in an open discussion format. The discussions revolved around the possibility of launching a unified SIDS digital platform and the importance of breaking down silos to maximize resources and enhance coordination. Discussants stressed the need to start with a clear understanding of the nature of interaction desired and who should be involved. Mapping the SIDS landscape and focusing on content creation were deemed essential steps. They then discussed the tools, materials, and resources necessary to develop the unified platform, following which they emphasized the importance of involving young individuals willing to contribute their time and effort to move the platform forward. There was a call for government involvement, with specific attention to UNESCO's National and Regional Offices and the importance of a broader solution to address SIDS' issues. The Global Digital Compact (GDC) was highlighted as a driving force for the initiative, with an emphasis on the need for accessible information and platforms for interaction across different sectors. The Roundtable concluded with an exploration of the upcoming United Nations SIDS4 Summit to be held in Antigua and Barbuda in late May 2024 as an opportunity to advocate for the unified platform and the importance of intercessional engagement to advance SIDS' issues. Conclusions and Key Takeways The key takeaways from the workshop included the importance of adopting the ROAM-X framework to evaluate and enhance internet development in SIDS. By embracing ROAM-X assessments, they strategically addressed digital challenges and promoted inclusive growth. Moreover, local communities and global fora must coordinate efforts to actively voice SIDS' issues. This includes the establishment of Internet Exchange Points (IXPs), strengthening cybersecurity, and fostering local digital fora.	

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PACIFIC ISLANDS

Pacific DC-SIDS Report 2023 - Maureen Hilyard – co-Chair, DC-SIDS

During 2023, the internet users from the Pacific participated in a range of ICT activities both within the region and across the globe, voicing their contributions to various stakeholder discussions.



An achievement for many of the Pacific nations this year has been the successful development of national digital strategies as forerunners to transformational activities that are being programmed by many of the small island nations. During 2023, the Cook Islands produced an updated national ICT policy 2025-2030, an eCommerce work plan to support the Pacific Island Forum's regional approach to e-Commerce and Digital Trade in the Pacific as well as a national security strategy. My major achievement as the DT Coordinator, was the completion of the Cook Islands national digital strategy, alongside those of PNG and Niue. All Pacific national strategies include a digital national identity system.

Earlier in the year, 164 Pacific participants were among 320 SIDS participants who participated in an online UNCTAD Digital Identity for Trade and Development 2023 Course for SIDS. This was aimed at providing new knowledge about digital identity benefits, challenges, and best practices. 70% of the course graduates were from the Pacific and Caribbean.

One Pacific initiative which was introduced at the 2022 IGF and has been implemented during 2023 in Vanuatu is the SMART Island Project in collaboration with ITU. This project aims to take government services and meaningful use of ICTs into the rural and remote rural areas of the island nation. A similar initiative was implemented in the Cook Islands, with the local Vodafone company working with the Cook Islands government to provide 4G mobile connectivity to all its inhabited outer islands.

In August 2023, the Pacific IGF was held in Brisbane, Australia concurrently with the Asia Pacific Regional IGF (APRIGF) and the Australian IGF. Many thanks to DotAsia for the support they gave to the technical support for the event. I ran a session that focused on the development of our national transformation strategy and included speakers from UNDP, SPC and the Digital Transformation Centre of Taiwan.

Solomon Islands Women in ICT (WITSI) were active in 2023 - volunteering as Team Leaders and general ICT volunteers during the Pacific Games which were held in Honiara, Solomon Islands. They also took part in the GC3B event held in Ghana as well as the Forum of Incident Response and Security Teams (FIRST) Regional Symposium for the Pacific, held at Port Vila, in Vanuatu.

During 2023, ICANN provided eleven participants from across the Pacific an opportunity to participate at an ICANN meeting as a Fellow. This number was unprecedented, and the Fellows were introduced to the various sections of the ICANN communities and their policy development

activities. Many past fellows have since joined a new Pacific alumni group that has been established to support and encourage more engagement of Pacific fellows with ICANN, following their Fellowship experience.

ICANN training was offered by ICANN's GSE representative Save Vocea, who conducted a technical capacity development session for the Government of Fiji and .fj ccTLD registry on DNSSEC validation. This was attended by representatives from the registry / DNS resolver community in Fiji. ICANN also sought the interest of service provider entities in the Oceania region to host an ICANN Managed Root Server instance. So far 13 Pacific economies have responded to this request.

Regional I* organisations have also created a training partnership that collaborates through PITA to support two PacNOGs annually. APNIC regularly offers training sessions and event fellowships to engage more regional participation in their APNIC meetings.

The Pacific Cybersecurity team has been active during the year. In September, the Pacific Cyber Security Operations Network (PACSON) held their AGM in Vanuatu and elected their new Executive for 2023 & 2024: Chair (Cook Islands), Vice Chair (PNG), Incoming Chair (Kiribati). Other cybersecurity events during the year included: the launch of the GFCE Pacific Hub in Fiji and a Pacific Cyber Capacity Building & Coordination Conference (below, with Cherie Lagakali)



A major highlight in November on Rarotonga, Cook Islands, was the Pacific Islands Forum Leaders meeting which focused on *Pacific Partnerships for Prosperity: Strengthening Cybersecurity Arrangements*. During a side event, a cybersecurity team from the Pacific region presented a panel discussion which was moderated by Cameron Boardman of OCSC. The panel representatives included (from left to right) Cyber Safety Pasifika - Aporo Kirikava, CERT NZ – Tim Myers, PILON - Jamie Crawford, PaCSON - Pua Hunter, and GFCE Pacific Hub - Saia Vaipuna.



The 2023 IGF was sparsely attended by Pacific participants, although it was gratifying to get input into our DC-SIDS session from remote participants, Cherie Lagakali (Fiji/NZ) and Andrew Molivurae (Vanuatu) who contributed with some challenges for Pacific SIDS as well as to our main topic which was how we might develop a unified platform for global SIDS. My suggestion was a form of platform cooperativism – which is a business model but with a focus on human rights, fighting inequality and creating a more democratic digital economy. Although there were some interesting suggestions proposed, our discussions will continue until we resolve how we can more frequently engage in these and similar discussions on a common platform for global SIDS issues.

(Thanks to Pua Hunter, Calum Handforth, Save Vocea, Dalsie Tolang, Letitia Masaea, and Cherie Lagakali for their contributions to this report.)

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CARIBBEAN



CARIBBEAN TELECOMMUNICATIONS UNION

Report

on the



&



Evolving Caribbean Internet Governance Priorities for Sustainable Development

**22nd - 24th August 2023
VIA Zoom Videoconferencing**

Evolving Caribbean Internet Governance Priorities for Sustainable Development
22nd – 24th August 2023 · VIA ZOOM VIDEOCONFERENCING

Acknowledgements

As convenor of the 19th Caribbean Internet Governance Forum (CIGF) and the 2nd Caribbean Youth Internet Governance Forum (CYIGF), the Caribbean Telecommunications Union (CTU) extends its grateful thanks to all speakers, participants and support staff who facilitated a successful three days of events.

We also gratefully acknowledge and appreciate the invaluable material and intellectual support of our perennial partner organisations, the American Registry for Internet Numbers (ARIN), the Internet Corporation for Assigned Names and Numbers (ICANN), the Internet Society (ISOC), the Latin American and Caribbean Internet Addresses Registry (LACNIC) and the United Nations (UN) Internet Governance Forum (IGF) Secretariat as well as the contributions of the ISOC Foundation, the International Telecommunication Union (ITU) and the Trinidad and Tobago Multistakeholder Advisory Group (TTMAG).

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Introduction and Overview

From the 22nd to 24th of August 2022, the Caribbean Telecommunications Union (CTU) convened the 19th Caribbean Internet Governance Forum (CIGF) and the 2nd Caribbean Youth Internet Governance Forum (CYIGF) via Zoom Videoconferencing, streamed to YouTube and Facebook. The two forums had some 291 registered participants from the Government, private sector, civil society, academia and technical community stakeholder groups globally, at least 163 of whom interacted via the Zoom platform.

The CIGF is a regional, multi-stakeholder forum initiated by the CTU and the Caribbean Community (CARICOM) Secretariat in 2005 to coordinate a regional approach to Internet Governance (IG), initially focussed on the proceedings of the United Nations' World Summit on the Information Society (WSIS). The forum has since met annually and has delivered significant and pioneering benefits to the region including formulation of a Caribbean Internet Governance Policy Framework; the proliferation of Internet exchange points (IXPs) in the Caribbean; capacity building in IG principles and best practices; and growth in Caribbean influence in international IG fora. The CIGF is the longest running Internet Governance Forum in the world.

Objectives

The 19th CIGF returned to an in-person staging and was complemented by remote participation via online videoconferencing under the auspices of the CTU. The remote working protocols occasioned by COVID-19 have demonstrated a new urgency for digital transformation. This iteration of the CIGF addressed various work streams of Internet governance necessary to seize this opportunity for accelerated adoption in a trusted and secure manner, and to position the Caribbean for sustainable, ICT-driven post-COVID recovery. It also featured the 2nd CYIGF and continued work to update the regionally harmonised policy framework for Internet governance. Overall, the objectives were to:

- Consider Internet governance policies and initiatives for priority attention to facilitate accelerated digital transformation
- Review and finalise Issue 4.0 of the Caribbean Internet Governance Policy Framework documenting the regional vision, priorities and approaches for sustainably building and/or strengthening consensus and action on IG issues in the Caribbean
- Elicit the voices and develop the capacity of Caribbean youth in Internet governance by facilitating the 2nd Caribbean Youth Internet Governance Forum
- Build national and regional capacity and systems in IG to enable, support, strengthen and sustain effective Caribbean participation and representation at regional and global Internet Governance for a

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These objectives were addressed appropriately over the three days of the Forum with Day 1 focussing on capacity-building and the 2nd CYIGF, Day 2 on the Opening Ceremony and the workshop on the policy framework and Day 3 on current hot topics, conclusions and next steps.

Summary of Forum Proceedings

The 19th CIGF and 2nd CYIGF provided an invaluable opportunity for attendees to participate in the forums' discussions on the evolving priorities for sustainable development in the Caribbean. The host, Mr. Keron Rose, welcomed all attendees, both in-person and those participating remotely, introduced the sessions and moderated the question-and-answer segments, as needed.

Day 1

Introduction to Internet Governance

During the inaugural session of the forum, experts from regional Internet organizations—Mr. Kevon Swift (LACNIC), Mr. Shernon Osepa (ISOC), Mr. Albert Daniels (ICANN), and Mr. Nate Davis (ARIN)—provided an introduction to Internet Governance (IG). They delved into the history of IG and the Caribbean Internet Governance Forum (CIGF), emphasizing their organizations' roles in the IG sphere. The experts underscored the significance of the public as stakeholders, encouraging contributions at national and regional levels to make a substantial global impact from the Caribbean. Mr. Osepa and Mr. Daniels highlighted ISOC's and ICANN's special interest groups for targeted policy development with multi-stakeholder participation. Mr. Swift focused on LACNIC's role as an internet registry, while Mr. Davis addressed ARIN's role and Caribbean priorities related to sustainable development, including critical infrastructure strengthening for natural disaster resilience and aligning with the global economy's growth.

Capacity Building

As part of its drive to build capacity within the Caribbean, two capacity building sessions were held. The topics addressed in these sessions were derived from the outcome of a call for topics several weeks before the CIGF.

1. ICT Indicators to Measure Connectivity and Support Policy Development

Mr. Martin Schaaper, Senior ICT Analyst, International Telecommunication Union (ITU), presented on indicators for policy development. He stated indicators should serve a purpose, framed in the policy framework and not simply be collected because of another organisation's directive. He went on further to discuss the work of the ITU regarding indicators and ICT statistics. Mr. Schaaper highlighted ITU's long standing tenure in ICT statistics, and developing indicators with ITU member states, along with the methodologies to collect the data in groupings, for example, telecommunications data and household data.

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The data is compiled and harmonised at the country level and then aggregated to produce regional and global aggregates. The data collected includes supply side data, administrative data from telecom operators and demand side data, received from surveys. Mr. Schaaper commented on the importance of the methodology used as this determines whether comparisons can be made, including between countries where bandwidth and affordability are critical indicators of internet access.

This data is analysed in a number of publications and disseminated through ITU's data hub, their digital development dashboard, their Facts and Figures publications and the global connectivity report. The ITU has produced two manuals, [Handbook for the Collection of Administrative Data on Telecommunications/ICT 2020 Edition](#) and [the Manual for measuring ICT access and use by households and individuals, 2020 Edition](#) to support countries in their effort to collect and disseminate ICT statistics.

2. Cybersecurity and Cybercrime – International Cooperative Frameworks and National Imperatives

In her presentation, Ms. Andrea Martin-Swaby, Senior Deputy Director of Public Prosecutions and Head of the Cybercrime & Digital Forensics Unit in Jamaica, delved into the critical importance of capacity building in the realm of cybersecurity and cybercrime prevention. She commenced by examining the security perspective, referencing the Open-Ended Working Group's (OEWG) report, which underscored the role of individual states in preparing and responding to malicious activities in cyberspace. Ms. Martin-Swaby emphasized the need to assess the capacities within member states, encompassing human resources, policies, legislative structures, and institutions, pointing out the potential vulnerabilities and global consequences of insufficient capacity.

Transitioning to the cyber context, Ms. Martin-Swaby stressed the necessity of a practical, demand-driven approach to capacity building, particularly tailored to the specific needs and priorities of small developing countries. She cited examples like the development of national cybersecurity strategies and the imperative to enhance the knowledge base of investigators, with a specific focus on areas like ransomware. She underscored the reciprocal role of the recipient in capacity building, advocating for the development of a roadmap and the presentation of identified needs to agencies or developed countries capable of offering assistance. Lastly, she addressed the cybercrime perspective, emphasizing the need for domestic legislative structures capable of effectively combating cybercrime, while also shedding light on multilateral efforts at the United Nations to draft a Cybercrime Convention. In closing, Ms. Martin-Swaby reiterated that technical assistance within the UN process encompasses training, mutual exchange of experiences, legislative developments, and targeted capacity building in evidence collection and law enforcement techniques. Her insights were framed within the dual focus of enhancing security and fortifying crimefighting mechanisms in the ever-evolving landscape of cyber threats.

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Ambassador Claudio Peguero, reflecting on Andrea's prior discussion, provided practical examples and experiences related to capacity building in the multilateral arena, particularly within the United Nations processes on cybersecurity and cybercrime. He outlined two ongoing processes, one focused on cybersecurity in the first commission and the other on cybercrime in the third commission. These initiatives recognize the escalating need for capacity building in areas such as investigation, prosecution, and data collection, addressing both cybercrime and cybersecurity aspects. Ambassador Peguero highlighted the historical development of capacity building efforts, citing the creation of the Global Forum on Cyber Expertise (GFCE) and the establishment of the Latin American and Caribbean Cyber Competence Centre in the Dominican Republic. He emphasized the importance of sustainability, tailoring capacity building to specific country needs, and avoiding duplication of efforts by fostering synergies among various projects. Ambassador Peguero concluded by introducing the Global Action on Cybercrime Enhanced (Glacies II) project, which aims to empower regional hub countries, including Chile, to enhance training coordination in the Latin American and Caribbean region.

Ms. Valentina Name, representing the Global Forum on Cyber Expertise (GFC) as the liaison for the Latin America and the Caribbean regional hub, discussed the GFC's focus on capacity building in the region. The GFC, being apolitical and neutral, aims to bring together various stakeholders, including civil society, public and private sectors, and academia, to collaborate on enhancing cybersecurity capacity building. Ms. Name emphasized the organization's objectives, including effective capacity building, involvement of all stakeholders, and participation in international cybersecurity and cybercrime processes like the UN processes. The GFC achieves its goals through an ecosystem of tools, such as the Civil Portal, Clearing House Mechanism, and working groups addressing different themes.

Ms. Name highlighted the Civil Portal as a repository for international cyber capacity building projects, with a focus on the Latin American and Caribbean region. The Clearing House Mechanism facilitates matchmaking between entities with cyber capacity needs and those offering support. Working groups, categorized by themes like cybersecurity policy, incident management, cybercrime, and more, drive coordination and improvement efforts. Ms. Name showcased the Civil Portal, emphasizing its role in avoiding duplication of efforts and promoting support in the region.

Furthermore, she shared the GFC's strategic priorities, emphasizing inclusivity, regional coordination, and local collaboration. Ms. Name acknowledged the collaboration with other hubs, such as the Pacific, Southeast Asia, and Africa hubs, as well as the support from the Secretariat. Lastly, she discussed the GFC's efforts to mobilize resources for cyber capacity building through the organization of the Global Conference on Cyber Capacity Building, aiming to mainstream cyber resilience in international development agendas and plans.

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3. Caribbean and Latin American Research Initiatives and Products in Internet Governance: LACNIC's Lideres 2.0

Ms. Paula Oteguay from LACNIC shared information about the Leaders Programme, focusing on Caribbean and Latin American research initiatives in Internet governance. The program provides funding and mentorship to successful applicants, supporting small projects that offer unique and diverse perspectives, especially those with a local view. The research period lasts three months, and successful applicants present concise outputs in various formats.

Ms. Oteguay highlighted the thematic areas for the 2023 edition, including internet for all, inclusion and impact on human rights, cybersecurity, cybercrime, risk of internet fragmentation, models of internet public policy formulation, and artificial intelligence and emerging technology. She emphasized the program's success, having received over 1,030 applications from more than 40 countries in the Latin American and Caribbean region over the last four years. By the end of 2023, 60 research and multi-stakeholder initiatives will have been supported.

Specifically addressing Caribbean contributions, Ms. Oteguay mentioned receiving over 30 applications from notable countries like Haiti, Dominica, Antigua and Barbuda, and by the end of the year, 10 research projects from Caribbean candidates will be supported. Two Caribbean mentors, Mr. Cassimire and Claire Craig, were acknowledged for their contributions.

Ms. Oteguay shared examples of research projects from Caribbean candidates, covering topics such as digital literacy for young people, investigating the Caribbean ICT landscape, and assessing digital literacy among elderly citizens. She invited participants to explore these projects on their website and stay tuned for results from the current 2023 edition, with 12 selected candidates working from September to November. The call for proposals for this year closed in July.

2nd Caribbean Youth Internet Governance Forum

The CTU continues to engage youth and support the CYIGF. In his introductory remarks, Secretary-General Taylor highlighted that the CTU has a designated youth focal point who is overseeing the formation of a Caribbean Youth ICT Network, to build the next generation of ICT professionals before handing over the program to Mr. Tariq Mohammed, a member of the CYIGF committee. Mr. Mohammed provided the background of how the CYIGF was formed, and stated that given the positive response to the 1st CYIGF, the committee was inspired to continue with this youth initiative for a second year and envision the outcome of a Youth Action Plan.

Youth Internet Governance Action Plan

This Youth Action Plan would see youth take charge from the 2nd CYIGF into the 3rd CYIGF, including the recognition of the CYIGF as a National Regional Initiative (NRI) by the UN IGF. Mr. Tyler Seudath, also a member of the CYIGF committee presented the current Youth Action Plan, which aims to foster engagement globally and regionally among regional youth, empowering them

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through digital skills training and awareness campaigns on the responsible use of the internet to bridge the digital divide. The Action Plan also encourages the involvement of youth in policy development and research on data collection for Internet measurements and usage.

Leveraging ICTs for Caribbean Youth Development Ahead of the Global Digital Compact

This moderated roundtable discussion saw several experts answering the questions of youths, giving their perspective and insight. Each speaker gave their point view and discussed reality or the current situation as well as potential solutions. This includes the need for youth involvement, beyond attendance, in ICT policymaking, such as the Global Digital Compact and empowering youth in shaping their digital future through mentorship, capacity development and collaboration in the Caribbean. The need for understanding and appreciating data privacy and cybersecurity among youth was noted.

Taking advantage of Artificial Intelligence by Caribbean Youth

In this presentation, Mr. Xavier Jhon-Clair, XR-Lab.io explored the applications, ethical considerations, and the future of work related to Artificial Intelligence (AI) in the Caribbean. He discussed AI's role in the digital ecosystem, encompassing machine learning, natural language processing and robotics and highlighted its potential to automate tasks in industries like construction for increased efficiency and reduced risk. Ethical concerns, including bias, fairness, transparency, privacy and accountability in AI development and deployment, were addressed.

Mr. Jhon-Clair outlined opportunities for the Caribbean, including personalized sustainable tourism experiences, predicting natural disasters and preserving cultural heritage through AI. He showcased practical applications, such as using AI, specifically ChatGPT, to generate a three-year business plan and introduced an AI assistant named Danny, created in Barbados. Danny expressed a passion for science, technology and the arts and discussed cybersecurity risks.

Mr. Jhon-Clair delved into AI's application across diverse sectors, such as urban planning, traffic management, financial services, cybersecurity, environmental sustainability, healthcare and education. He emphasized the importance of AI governance, policy, regulation and collaboration to ensure responsible and ethical use of AI in these industries.

AI Governance

This roundtable discussion moderated by Mr. Keeghan Patrick, CYIGF committee. While Mr. Keith Laban, Startl Reality emphasised the importance of equipping Caribbean youth with AI skills to thrive in the rapidly changing job market, he also noted the importance of STEM education and project-based learning in preparing youth for AI and future jobs. Ms. Jennifer Gutierrez Yañez, Generation Connect Americas Youth Envoy, ITU, shared that youths can actively participate in shaping AI policies by joining spaces, collaborating with academia, and sharing accurate information on social media. Adrian Dunkley - Founder, StarApple AI & StarApple Analytics shared

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his thought on the formation of his company, wanting to utilise AI data science and technology, which is now in art, sports, finance and fashion. He noted the need of private sector support by transferring the risk to private entities. Mr. Leslie Lee Fook, Director of AI, Automation and Analytics, Incus Services Limited, commented on balancing AI innovation and its ethical use with self-monitoring and vetted data. He noted that as the private sector is commonly ahead of regulations, trust is important and therefore frameworks are needed, especially regarding bias.

Opportunities for Regional Youth Development

Moderated by Mr. Stephon Lewis and Ms. Caron David, Ministry of Digital Transformation, Trinidad and Tobago, this panel focused on the opportunities for digital inclusion and access, digital, gender inclusion, education, skills, and development, and even development of entrepreneurship and startups.

With regards to shaping opportunities for youth development in ICT and IG, Mr. Shergaun Roserie, Co-CEO Orbtronic Ltd., shared that his company uses talents to provide some of their services. Orbtronic collaborates with organizations like the Eastern Caribbean Central Bank and National Telecommunications Regulatory Commission and hosts digital literacy programs for older youth, as well as robotics and programming programs for students up to 18 years old.

Mr. Cleveland Thomas, ITU shared that ITU's Generation Connect initiative speaks directly to youths and their development. ITU partners with UN agencies like UNFPA, UNICEF, and UNESCO work together to empower youth through skills development, engagement, and participation. Ultimately, the ITU aims to engage youths through policy changes, regional forums, and individual efforts to create meaningful opportunities for their involvement.

Ms. Nicole Pitter Patterson, Caribbean Girlz Hack / She Leads IT shared her Barbados based company is focused expressly on empowering girls and young women with ICT skills and leadership in the Caribbean. She emphasized leveraging technology in creative industries, fostering partnerships between youth-led enterprises and multinational companies for regional youth development. She highlighted importance of mentorship, sponsorship, and internships for women and girls in digital skills program and the importance of hands-on experience for young women in the Caribbean, with a focus on entrepreneurial skills and problem-solving.

Mr. Raj Ramdass, RSC TechClubs Trinidad & Tobago, share that RSC is active throughout the region and focused on effecting change through technology, and education. He shared his belief that AI will not replace humans, but rather humans using AI will replace humans who rely solely on intellect. He shared that while youth have access to power and passion through technology, and can play a role in various segments with future advantages in AI, policy implementers must understand opportunities in AI to break barriers and implement policies effectively.

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From Vision to Reality: CYIGF as an NRI

The final session of the 2nd CYIGF was a presentation by Ms. Ms. Anja Gengo, Associate Programme Expert/National and Regional IGF Initiatives Focal Point, UN IGF Secretariat, who expressed gratitude for the opportunity to address the Caribbean Internet Governance Forum (IGF). She specifically acknowledged the success of the Caribbean Youth IGF, highlighting its organic, multistakeholder organization, and commended the Caribbean IGF for its pioneering role. Ms. Gengo noted the commitment to sustainability and youth involvement at the upcoming 18th UN IGF.

Highlighting the importance of investing in young people, Ms. Gengo emphasized not only financial support but also education and skill development. Initiatives like the Caribbean Youth IGF were recognized for effective capacity development. She underscored the need for a wellorganized multistakeholder Organizing Committee after establishing the youth IGF to strategically engage and invest in young people.

Advocating for the equal treatment of young people in discussions, Ms. Gengo emphasized leveraging their digital native perspective. She stressed the importance of a diversified group of stakeholders, leadership, and adherence to principles like the multi-stakeholder model. Meaningful integration of young people in IGF event preparation was suggested for effective cooperation between generations.

Ms. Gengo discussed ongoing efforts by the IGF Secretariat, such as the Youth Track and capacity development workshops, emphasizing the involvement of young people in crucial discussions on cybersecurity, human rights, and artificial intelligence. She expressed a desire for Caribbean representation at the IGF 2023 Global Youth Summit in Kyoto and invited collaboration for the next generation's digital leadership.

Highlighting the value of in-person participation, Ms. Gengo expressed hopes for Caribbean involvement in the IGF Secretariat, recognizing the region's resilience and creativity. In response to a question about models for youth IGFs, she outlined two approaches: independently organized youth IGFs and integrated youth tracks within existing IGFs. Cooperation between young and senior stakeholders was emphasized to avoid silos.

Day 2

Opening Ceremony

The Opening Ceremony saw opening remarks from the UN Tech Envoy Under-Secretary-General (USG) Mr. Amandeep Singh Gill, Mr. Chengetai Masango, UN IGF Secretariat, Mr. Albert Daniels, ICANN, Mr. Shernon Osepa, ISOC, Mr. Kevon Swift, LACNIC and Mr. Bevil Wooding, ARIN. CTU

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Secretary-General Mr. Rodney Taylor welcomed these high-level speakers who brought greetings on behalf of their organisations.

USG Gill noted that the Internet, a unique and extraordinary global resource, is governed in a multi-stakeholder manner involving governments, the private sector, civil society, and the technology community to keep it open, free, secure, and inclusive—a crucial global priority, especially for small island developing states (SIDS) where it is a matter of life and death. He noted that the UN IGF has ensured the Internet's smooth operation through geopolitical shocks and major disruptions like the COVID-19 pandemic, providing a crucial lifeline to millions. The Office of the UN Secretary-General's Envoy on Technology is involved in a vital negotiation process on the Global Digital Compact, with inputs from the IGF, including substantive contributions from the Caribbean community. He emphasised the need for continued support of the Internet's established multi-stakeholder institutions, including the launch of a leadership panel to elevate the work of the Internet Governance Forum. This panel will address new challenges like artificial intelligence, urging coordinated governance for a more inclusive and human-centred digital future. He noted that the Global Digital Compact is envisioned as a framework for states and nonstate actors to fully participate in shaping the shared digital space and promoting interoperable governance across digital domains. He emphasised that aligning agendas, strengthening multistakeholder engagement, and following up on commitments, including through the future Global Digital Compact, are crucial for effective digital cooperation.

Mr. Albert Daniels, ICANN commended the Caribbean Telecommunications Union for convening the 19th CIGF and underscored the importance of addressing universal acceptance, i.e., the need for full integration of domain names and email addresses in various non-Latin scripts and languages in order to grow and serve a more diverse internet user base. He announced an initiative to expand generic top-level domain name options in local languages, aiming to enhance diversity and competition. After encouraging participants to closely monitor the issue of universal acceptance and to contribute insights to ensure comprehensive deliberations, he concluded by extending best wishes for a successful CIGF, expressing ICANN's commitment to collaboration for a stable, secure, and unified internet.

Mr. Shernon Osepa, ISOC also shared congratulations to the CTU on its hosting the 19th CIGF and expressed appreciation to Secretary-General Taylor and Deputy Secretary-General Mr. Nigel Cassimire for their vision and enduring commitment to internet matters. He was honoured to contribute to the development of the internet, prioritizing the defence and promotion of critical internet infrastructures through projects like MANRS (Mutually Agreed Norms for Routing Security), Encryption, and Internet documentation. With a focus on connected and unconnected communities, sustainability, and technical initiatives, ISOC has supported the Caribbean Internet Governance Forum and sees it as a crucial platform where stakeholders adhered to multistakeholder principles. Acknowledging existing disparities, particularly in rural areas, Mr.

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Osepa emphasized the need for innovative strategies, technologies, and partnerships to ensure internet connectivity for all. In conclusion, he encouraged participants, both onsite and online, to leverage knowledge and capacity building to safeguard the internet, envisioning a secure, trusted, resilient and open internet for everyone.

Mr. Kevon Swift of LACNIC, like his predecessors congratulated the CTU on the hosting of the 19th CIGF and gave kudos to the CTU Secretary-General, Deputy Secretary-General and their team for their commendable service to the multi-stakeholder Caribbean community on the crucial issue of Internet governance. He inquired about familiarity with names of Caribbean Internet pioneers such as Alan Emtage or Peter Harrison, emphasizing the Caribbean's history of excellence in internet development. He highlighted regional talents, like the creators of the Caribbean Anime Program and local shared economy apps e.g., ride sharing. The vision at LACNIC is to build a community for a better Internet, recognizing contributions through initiatives like the Latin American and Caribbean Internet Governance Forum, the Líderes program, and the Frida Fund for digital innovation. Mr. Swift stressed the importance of individual agency in effecting change and shaping the internet we desire.

On behalf of ARIN, Mr. Bevil Wooding extended heartfelt congratulations to the CIGF's Secretariat, on the successful organization of the 19th CIGF. He noted that this marked a significant milestone in championing issues crucial to the region's utilization, adoption, management, and governance of not just Internet-based technology but services integral to our lives. Recognizing the increasing reliance on Internet technologies in the region, the CIGF was acknowledged as a crucial forum for developing capacity and competence in governing the underlying layers of the Internet. With the maturing of approaches and a commitment to action, ARIN and affiliated organizations, including the Caribbean Network Operators Group, regional Internet registries, and other Internet governance bodies, pledged support to the CTU's efforts in translating IGF conversations into tangible Caribbean development action. Mr. Wooding expressed gratitude to the CTU and the regional community for their consistent engagement in this vital conversation and encouraged collective participation in moving from dialogue to Caribbean action.

Rounding out the opening remarks was Mr. Chengetai Masango, who brought greetings on behalf of the UN IGF Secretariat. He stated that organizing a multi-stakeholder, bottom-up, open, and inclusive IGF process for the community was an important yet challenging task and congratulated the CTU for supporting the organization of another successful Caribbean IGF. He reflected on the governance of the Internet, noting that not since 2006 has it been more in the spotlight or under scrutiny, facing a proliferation of localized policies, laws, guidelines, standards and rules on Internet-related tools and services, with emerging AI applications presenting both opportunities and challenges. He noted that the CIGF's agenda for this year's meeting demonstrated a commitment to a better Internet, emphasizing digital inclusion, cybersecurity, capacity development, governance of artificial intelligence, and other crucial areas. These, along with the

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CYIGF, exemplify a forward-thinking approach to ensure the next generation skilfully advances the legacy of Internet governance. He stated that outputs from this forum will serve as valuable inputs into the upcoming 18th annual IGF meeting in Kyoto, aligning with the theme "The Internet We Want: Empowering All People."

CIGF@19

Mr. Nigel Cassimire, Deputy Secretary-General, CTU provided a historical overview of the CIGF's evolution and its role in harmonizing regional internet governance policies. Acknowledging the challenges faced, such as limited government visibility and uncoordinated interventions, he emphasized the need for greater national involvement, capacity-building, and awareness. He highlighted achievements, including the development of the Caribbean Internet Governance Policy Framework (CIGPF), support for national IGFs, and coordination with various stakeholders. He discussed ongoing initiatives, such as enhancing multi-stakeholder arrangements and updating the policy framework to address emerging issues like artificial intelligence. Mr. Cassimire encouraged active participation, collaboration, and engagement with IG at the national and regional levels, as the CIGF aims to foster a multi-stakeholder approach for effective internet governance in the Caribbean. He then addressed questions and comments from stakeholders both in-person and virtually.

At this time, participants emphasized inclusivity, recognizing the importance of involving various societal groups, including end users and influencers, to enhance public awareness of internet governance. There was a call to revisit the principles of WSIS, prioritizing societal needs over technology.

The discussion highlighted the need for improved mechanisms to track and report on the effectiveness of policy recommendations. The role of technology in sectors like Fintech was discussed, acknowledging the varying pace of development across industries.

To accelerate policy implementation, participants discussed the importance of identifying priorities, forming partnerships, and allocating resources accordingly. Overall, there was a commitment to aligning internet governance with the evolving needs of Caribbean societies.

National, Regional and Global IG Contents

This session saw updates from the regional IGFs and the UN IGF Secretariat.

Ms. Jacqueline Morris reported on the Trinidad and Tobago Internet Governance Forum (TTIGF) 2023, which took place virtually on January 26 and 27. The theme, "Creating a stronger, more resilient internet for Trinidad and Tobago's shared sustainable future," reflected a focus on

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building a robust digital infrastructure. The TTIGF, organized by the Trinidad and Tobago Multistakeholder Advisory Group, featured 374 registered participants, with discussions spanning topics such as internet resilience, future-proofing ICT in education, digital government, and cybersecurity. Key takeaways included the need for improved infrastructure, collaboration among stakeholders, digital literacy, and a comprehensive cybersecurity strategy. The forum highlighted the importance of considering the needs of all citizens, ensuring inclusivity in the digital transformation process. Plans for the 2024 TTIGF are already underway, scheduled for January 25 and 26, with a hybrid format to accommodate both physical and remote participation. The theme for 2024 is "Internet that we want," and topic suggestions are welcomed through the [igf.tt](https://www.igf.tt) website.

When asked about the activities of members to promote the outcomes outside of the TTIGF, it was stated that the TTIGF has various committees to work on related initiatives, and throughout the year, the organization hosts additional events such as webinars, sessions, and meetings. Members actively participate in international organizational meetings, emphasizing a multistakeholder approach. Unlike some entities, the TTIGF is not an icon and lacks individual ALS status, but its members engage within their respective stakeholder groups and in various Internet-related organizations. Notably, members contribute to and attend LACNIC meetings, providing reports and insights to the broader TTIGF community.

Mr. Willis Williams from St. Vincent and the Grenadines, delivered a full report on the IGF 2023 event, which was hosted by ISOC SVG and included an ICT roadshow spanning three days in August. The Internet roadshow focused on "Next Fall, Securing Our Digital Future," aligning with the ongoing digital transformation project in the region. This collaborative effort, with a completion timeline of four to five years, aimed to address societal resistance to change and educate the public on the impacts of digital transformation. The roadshow featured insightful presentations on open-source technology, emphasizing its business opportunities in crucial sectors like customs, tax systems, and the land registry. The event successfully facilitated a dynamic exchange of information and demonstrated the potential for further education in these critical areas.

Mr. Williams underscored the societal impact of the IGF, emphasizing the crucial role of sponsors, including NTRC, VINLEC, the electricity company, and digital entities. The roadshow attracted a diverse audience, with 57 participants on the first day, 38 on the second day, and 65 on the third day, totaling 103 registrations online. The interactive sessions were marked by probing questions and widespread expressions of interest, reflecting a positive reception. Overall, the report highlighted the successful collaboration, community engagement, and positive outcomes of the IGF and ICT roadshow in St. Vincent and the Grenadines.

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Miss Stephanie Joseph, the president of ISOC Haiti Internet Governance Forum, expressed her happiness and gratitude for the invitation from CTU. She envisioned a space where diverse stakeholders, including governments, private sector representatives, civil society, organizations, technical experts, academics, and everyday internet users, collaboratively shaped the digital future. The IGF contributed to building individual and organizational capacity, fostering an environment for sharing experiences, best practices, and lessons learned on a global scale. In the fifth edition of the national IGF, unforeseen circumstances prompted a strategic pivot due to an unstable security situation, leading to a decentralized approach. Despite challenges, the event successfully engaged over 100 participants across ten different locations, combining physical gatherings and online participation through Zoom and social media platforms.

The innovative approach showcased the resilience and dedication of community members, extending gratitude to local and international partners, including the Internet Society Foundation, LACNIC, and IGF in Loop Haiti. The successful event covered diverse topics, including AI in Internet governance, shaping Internet governance, and the impact of AI on education and content production. The inclusive strategy embraced accessibility for the power of AI, aiming to create a shared reality where AI fosters equity. The report highlighted the dynamic and dedicated efforts of community members, emphasizing the collective commitment to shaping a future where AI inclusively empowers all.

Miss Lillian Chamorro Rojas, the coordinator of the Latin American and Caribbean Internet Addresses Registry, expressed gratitude for the opportunity given to the Latin American and Caribbean Internet Governance Forum (LAC IGF) to participate in the meeting. She highlighted the significance of the Caribbean region addressing internet governance issues through a multisectoral process like the IGF, emphasizing its role as a space for open dialogue and collaboration among stakeholders. The LAC IGF, established in 2008, evolved into a process with representation from various external stakeholders, responding to the evolution of the global Internet governance agenda and shaping the regional agenda.

The LAC IGF, despite facing challenges due to the pandemic, made efforts to improve processes, enhance inclusion and participation, and strengthen ties in the Latin American and Caribbean community. An extensive consultation process led to the formulation of new statutes, aiming to enhance the participation of different sectors and make the process more inclusive and participatory. Despite the impact of the pandemic on face-to-face events, efforts were maintained to hold annual events, contributing to the relevant agenda for the actors in the region. The LAC IGF also focused on discussing terms related to the global digital compact and responded to the call by the United Nations Office on important topics such as connecting people to the internet, human rights online, data protection, and accountability criteria for misleading content. The process of implementing new statutes, including the formalization of the executive secretary and calls for a workshop selection committee, is underway, with the LAC IGF playing a crucial role in

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various global processes related to internet and digital governance. Miss Rojas invited the Caribbean IGF community to engage with the LAC IGF process and contribute energy and participation to the intersessional work and annual events.

Ms. Anya Gengo from the United Nations IGF Secretariat expressed her gratitude, expressing pleasure in joining the Caribbean IGF. She commended senior stakeholders for their crucial messages and highlighted the impactful work of colleagues in national and regional IGFs, emphasizing tangible changes in the digital policy landscape that positively affect people's lives through safe and meaningful integration of digital technologies.

Ms. Gengo then turned her attention to the upcoming 18th Annual Meeting of the Internet Governance Forum (IGF) in Kyoto, hosted by the Government of Japan from October 8 to 12. She noted the Secretariat's active preparations, including the evaluation of a record number of session proposals. Over 800 proposals were cleared, resulting in a final program featuring more than 300 sessions organized by stakeholders worldwide, with a significant presence from the Caribbean region.

Emphasizing the pivotal role of the National Regional Sub-regional Internet Governance Forums (NRIs), Ms. Gengo stressed their importance in enhancing cooperation among enterprises. With over 160 initiatives globally, NRIs play a crucial role in shaping the discourse on digital public policy. Ms. Gengo underscored the necessity for collaboration to address the digital divide and ensure universal Internet access by 2030. She highlighted the significance of investing in young people for the future of internet governance.

Discussing opportunities at the IGF in Kyoto, Ms. Gengo explored ways for NRIs to enhance their visibility, including hosting sessions, participating in the IGF village, and engaging in the high-level leader track. She extended invitations to young people and senior stakeholders to join the IGF Youth Track and the Global Youth Summit, emphasizing the importance of diverse voices in tackling global internet governance issues.

AI in the Caribbean – Policy Roadmap

Mr. Paul Hector, representing UNESCO, expressed gratitude for the opportunity to present the AI policy roadmap for the Caribbean, highlighting UNESCO's focus on AI standards, capacity building, experience sharing, and research. He outlined UNESCO's initiatives for the Caribbean, including a needs assessment for AI, digital transformation, and open data for Small Island Developing States (SIDS). Mr. Hector discussed ongoing collaborations with governments like Antigua and Barbuda and UNESCO's involvement in the Caribbean Digital Skills Task Force. The UNESCO Caribbean AI roadmap, part of a broader strategy, aims to raise awareness about AI's prospects, align with sustainable development goals, and foster collaboration among stakeholders.

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Ms. Erica Simmons, a researcher and AI expert, detailed the Caribbean AI Policy Roadmap's development, emphasizing UNESCO's goals for sustainable growth. She addressed the transformative impact of AI on work and industries, noting opportunities and risks. The roadmap focused on four pillars: governance and transformation, upskilling and education, resiliency and sustainability, and preservation and creativity. Ms. Simmons recommended assessing the current AI landscape, developing ethical frameworks, enhancing data governance, promoting research, and launching AI literacy campaigns. In response to questions, she highlighted the potential for the Caribbean to develop region-specific language models, leveraging daily data for model creation. Ms. Simmons anticipated AI's increasing role in businesses, emphasizing efficiency improvements and the need for proactive preparation for job market changes.

Caribbean Internet Governance Policy Framework

Mr. Cassimire presented the Caribbean Internet Governance Policy Framework (CIGPF), emphasizing its multi-stakeholder nature and clarifying its collaborative, non-governmental origin. The document, labelled a working draft, was outlined, covering an introduction, framework, and sections addressing Caribbean priorities and policy recommendations. Comments on the introduction suggested referencing the Caricom single ICT space policy and recognizing the global shift to digital governance due to technologies like AI. Language refinement was discussed, focusing on consistency in terms like "Caribbean information society." Vision and mission statements were scrutinized, with suggestions to replace "safe" with "trusted" and discussions on the evolving nature of internet governance into digital governance. The meeting also centred on identifying six strategic areas, with advocacy for addressing Caribbean data governance policies, considering issues like ownership, regional security, and taxation of multinational services. The session emphasized inclusivity, a living document approach, and monitoring implementation progress, concluding with a focus on clarity and consistency in addressing internet governance in the Caribbean region.

The session was adjourned and the document review continued the following day.

Day 3

HOT TOPICS

1. AI – Opportunities, Risks and Challenges of Generative AI

This session was led by the host and moderator, Mr. Keron Rose, who explored the topic through insights from three remote speakers. The first speaker was Mr. Audace Niyonkuru, a member of the United Nations IGF multi-stakeholder advisor group and a member of the IGF's policy network on AI. Following him was Mr. Adrian Dunkley, the founder of Star Apple AI and Star Apple Analytics, a Jamaican entrepreneur. Lastly, Mr. Yung-Hsuan Wu, a researcher at Diplo Foundation, also shared his perspectives during the session.

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Mr. Audace Niyonkuru, a member of the United Nations IGF multi-stakeholder advisory group and co-facilitator of the Policy Network on Artificial Intelligence (PNAI), provided insights into the origins and workings of the policy network. The network, proposed during the UN IGF in 2022, aimed to address advanced technologies, particularly AI. The IGF messages emphasized the importance of global south participation, human-centred AI, and stakeholder collaboration.

The policy network, operational since May, focused on AI and data governance, learning from AI governance frameworks, and setting up conversations based on IGF strengths. Open to everyone, the network aimed to produce a report released at the IGF in Kyoto in 2023. The methodology involved an open dialogue, information gathering, drafting, community consultation, and finalization. Thematic areas included global interoperability of AI governance, AI and gender/race, and environment and AI. The report, emphasizing the global south perspective, aimed to offer recommendations for sustainable AI development. The network encouraged participation and contributions from interested individuals.

Mr. Adrian Dunkley discussed the power and risks of generative AI, highlighting the benefits and flaws of AI use and presenting examples of its applications. Mr. Dunkley demonstrated the creation of an AI-generated sneaker design and emphasized the ethical concerns associated with manipulating videos using AI avatars. He showcased an AI-generated commercial and emphasized the challenges in distinguishing between real and AI-generated content. Mr. Dunkley discussed the positive aspects of AI, such as representation and style transfer for creative purposes. However, he also highlighted risks, including deepfakes and the potential for manipulation, stressing the need for regulations and guidelines to prevent misuse.

Mr. Yung-Hsuan Wu, Diplo Foundation, shared experiences with generative AI, aligning with Diplo Foundation's core value of understanding AI before addressing governance issues. He presented three examples, including the use of AI advisors in a course on the global digital compact, demonstrating how students interacted with AI to enhance their negotiation skills. Additionally, he discussed leveraging AI, particularly large language models like GPT, for automating tasks such as transcribing UN Security Council sessions and generating diplomatic speeches. Mr. Wu highlighted two significant challenges: generative AI's limited understanding of global realities and its inability to comprehend information temporally as humans do. To address these challenges, Diplo Foundation is exploring a bottom-up AI approach, utilizing an open-source model and high-quality data collected through a text annotation system. Mr. Wu emphasized the importance of co-constructing AI models that align with human thinking and establishing new workflows to innovate in AI integration.

The discussion then shifted to questions from the audience, both in the room and online. Mr. Niyonkuru addressed the positive impacts of generative AI, emphasizing its potential to extend

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access to information, particularly for populations with low literacy. Mr. Dunkley discussed the economic consequences, highlighting the need to protect individuals and ensure AI complements human skills rather than replacing jobs. Mr. Wu tackled the challenge of addressing biases in generative AI, suggesting a bottom-up approach and continuous monitoring. The session concluded with questions about interoperability in AI governance and ethical concerns, including issues related to IP theft, bias, and the potential for misinformation and manipulation.

2. Bridging the Digital Divide – Accessibility and Inclusion

Ms. Kristerbella Sookdeo of Fortinet moderated this session, joined by Ms. Annie Baldeo, TATT, Mr. Shernon Osepa, ISOC, Gregory Smith, UNDP, and Zach Blackburn, Amazon's Project Kuiper. The discussion focused on bridging the digital divide, accessibility, and inclusion.

Ms. Baldeo presented the current state of the digital divide in Trinidad and Tobago. The Telecommunications Authority conducts digital inclusion surveys every few years to measure disparities. The survey conducted in 2021-2022 revealed that the country has nearly 100% mobile cellular coverage, with 75% or more covered by 4G services. About 84% of individuals own a mobile phone, and 81% of households have internet access. However, there is a 20% gap in households not covered by fixed internet infrastructure. Ms. Baldeo highlighted initiatives to bridge the divide, including the TTYFI initiative, providing public internet access at various locations, a project for persons with disabilities promoting digital inclusion, and efforts to upgrade internet infrastructure in underserved areas. The discussion covered key statistics, including a 145% penetration rate for mobile cellular subscriptions, and efforts to address digital literacy challenges. The presentation concluded with an overview of various ongoing projects aimed at enhancing connectivity and digital inclusion.

Mr. Osepa expressed pleasure and honour to contribute and focused on the importance of Internet access in the context of AI development. He highlighted that 2.7 billion people globally remain unconnected to the internet, emphasizing the significance of addressing this issue. Mr. Osepa discussed the challenges in rural areas, citing the diverse internet penetration rates in the Caribbean. He mentioned the Internet Society's project, "Connecting the Unconnected," which focuses on community networks, particularly highlighting ongoing efforts in St. Vincent and the Grenadines. Mr. Osepa also emphasized initiatives related to fostering sustainable infrastructure, supporting Internet Exchange Points (IXPs), and building technical communities. He issued a call to action, urging collaboration to address the global challenge of internet access and shared a case study of providing internet connectivity to the Mount Everest region as an example of overcoming challenges. He emphasized the need for collective efforts to connect not only the Caribbean but also the global population to the internet, considering it a fundamental prerequisite for discussions on AI and other technological advancements.

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Mr. Gregory Smith, Head of Exploration and Lead for Digital Transformation at the UNDP in Trinidad and Tobago, discussed the significance of digital inclusion, addressing why it matters, the specific challenges faced in the Caribbean, and the UNDP's initiatives in response. He defined digital transformation as providing safe, convenient, and equitable access to digital services for all members of society. Mr. Smith highlighted economic benefits, cultural preservation, creativity, and global skills development as outcomes of digital inclusion.

He emphasized the government's interest in enhancing services, disaster preparedness, and governance through digital tools. Challenges such as transitioning to digital productivity, addressing last-mile connectivity, ensuring cybersecurity, and making the internet safe for all were discussed. UNDP initiatives, including digital readiness assessments, national digital strategies, and micro-scale projects like the Grow Garden app and the Peace Innovation Challenge, were presented. Mr. Smith concluded by inviting the audience to learn more through UNDP's platforms.

Mr. Zachary Blackburn, outlined Amazon's commitment to bridging the global digital divide through Project Kuiper. He highlighted the existing broadband access gap, especially in Latin America and the Caribbean, where a third of households lack fixed internet connections. Project Kuiper aims to address these disparities by deploying a satellite constellation in low earth orbit, providing speeds and latency comparable to terrestrial broadband.

The project focuses on affordability, with three customer terminal options catering to different needs. Mr. Blackburn emphasized the importance of partnerships with public and private sector entities, showcasing collaborations with wireless carriers and Verizon in the U.S. Project Kuiper has made significant progress, with over a thousand employees, upcoming satellite launches, and advancements in customer terminal affordability.

In addition, Mr. Blackburn advocated for updates to regulatory provisions related to spectrum, particularly for non-geostationary satellite systems. He emphasized the economic benefits and Amazon's support for a future agenda item at WRC to review and update regulatory provisions. In conclusion, he reiterated Amazon's commitment to connectivity and Project Kuiper's goal of providing fast, affordable broadband to underserved communities globally, including those in the Caribbean.

The following Q&A revolved around the role of the private sector and citizen contributions in addressing the digital divide. Ms. Baldeo highlighted the private sector's key role, especially in telecom infrastructure projects, and mentioned incentives through reverse auctions. She emphasized the need for collaboration among various entities to effectively close the digital divide.

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Mr. Smith emphasized the historical collaboration that led to the development of the internet and stressed the importance of working with the private sector, which possesses the necessary funds. He echoed the call to action for collaboration with various stakeholders. In response to a participant's question on redirecting efforts towards transformative impacts, he emphasized the importance of investing in people's skills, fostering mentorship, and ensuring both the young and elderly are equipped with digital literacy. Mr. Blackburn clarified that the number of consumers per terminal varied based on use cases, such as one household or multiple users in scenarios like mobile network backhaul or community Wi-Fi.

The session closed with a focus on investing in people and collaborative efforts to achieve transformative impacts globally.

3. Infrastructure “Fair Share” Contribution - Views from the Internet Organisations (i-Orgs)

In this session, Secretary-General Taylor served as the moderator. The panel featured insights from industry experts, including Mr. Shernon Osepa, Mr. Albert Daniels, and Mr. Kevon Swift.

In his remarks, Secretary-General Taylor highlighted the significance of the topic under discussion, emphasizing its status as one of the hottest topics. He touched on the widespread consumption of content through platforms like Netflix and YouTube, acknowledging the trend of binge-watching. Secretary-General Taylor pointed out that these over-the-top (OTT) services operate on telecommunications networks, which are often subject to heavy regulation. Traditional telecom operators invest in infrastructure, pay for spectrum, and employ engineers to manage network traffic.

The Secretary-General delved into the ongoing debate about the contribution of OTT services to the development of telecommunications infrastructure. He mentioned the argument that these services should make a fair share contribution to support the expansion of networks and connect more people, particularly those currently unconnected. This perspective suggests that such contributions would aid in the future development of telecommunications infrastructure.

However, Secretary-General Taylor acknowledged the complexity of the issue, noting that there are opposing views. He introduced the panellists for the session, who presented different perspectives on the fair share contribution debate. Mr. Taylor recognized the symbiotic relationship between over-the-top services and telecommunications operators, with some arguing against imposing fees on these services to avoid potential negative effects on consumers and innovation within the internet ecosystem.

Mr. Osepa emphasized the importance of understanding the impact of such discussions on the internet. He defined fair share within the context of a cost-sharing debate between big telecom

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operators and major content providers, often referred to as ‘big tech’, including Google, Amazon, Apple, Netflix, Facebook, and Microsoft. He highlighted the contention between telecom operators, struggling with investment levels, and big tech, arguing that they are already contributing through substantial investments in internet infrastructure. He underscored the need to prevent consumers from suffering due to this conflict and stressed ISOC's commitment to assessing the implications of discussions on the internet's growth and development.

Using a checklist approach, Mr. Osepa highlighted critical internet properties, stressing the importance of an open, inclusive internet. He introduced ISOC's Internet Impact Assessment Toolkit to assess new developments against critical properties and analyse enablers' impact. He suggested a subscription-based model, where users pay a fee for full internet access, opposing a tiered system that charges extra for specific content. He cautioned against compromising fundamental internet principles in these discussions.

Mr. Daniels began by disclosing his long-term involvement in discussions on fair share, particularly in forums like CANTO, involving regulators, governments, and private companies across the Caribbean. He expressed scepticism about providing substantive input on the topic as ICANN has a specific and bounded focus, outlined in its bylaws. He emphasized ICANN's mission, as stated in its bylaws, focusing on ensuring the stable and secure operation of the internet's unique system of identifiers. He pointed out that ICANN should not act outside its mission, and it does not regulate identifiers or their content beyond its express scope.

While ICANN has a narrow focus, Mr. Daniels suggested that the multi-stakeholder model within the ICANN ecosystem could be applied more broadly to address issues like fair share. He highlighted the example of the Trinidad and Tobago Multi-Stakeholder Advisory Group (TTMAG), demonstrating the model's versatility. In essence, Daniels proposed that a multi-stakeholder approach involving government regulators and other stakeholders could be beneficial in discussing fair share and similar issues.

Mr. Swift clarified that LACNIC does not have an official position on the fair share situation. He emphasized that the ongoing debate appears to be a two-sided discussion focused on revenue, and LACNIC remains neutral on the matter.

He highlighted the global issue of declining average return per user faced by Caribbean network operators, linking it to concerns about big tech companies operating unfairly without making sufficient infrastructure investments. He noted that this issue is not unique to the Caribbean but is a global challenge.

As Kevin Swift, he expressed concern about Caribbean network operators being overly focused on Internet services and content regulation, which might contradict the idea of an open Internet

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as a platform for opportunity. He drew attention to the evolving nature of the Internet, becoming increasingly data-driven, and raised questions about how network operators contend with this shift.

Mr. Swift suggested analysing three spheres of activity to address the issue: management techniques within organizations, the regulatory environment in the Caribbean, and bargaining power between network operators and big tech. He emphasized the need for a multi-stakeholder approach, characterized by openness, transparency, and bottom-up participation to address the complex interests at stake. He acknowledged the abnormal environment in which Caribbean telcos operate and stressed the importance of considering all interests in a thoughtful manner.

Concerns were raised about the potential ramifications if a balance between contributions from all stakeholders is not achieved. The fear was that a lack of balance might lead to a non-open internet, requiring negotiations for access to various online services. Questions were posed about the legal and economic tests to determine payment distribution and the entity overseeing the process to ensure fairness and contestability.

The discussion highlighted that the telco situation and the debate on fairness are global issues, not unique to the Caribbean. Albert Daniels clarified ICANN's focus on its mission and the potential application of the multi-stakeholder model in addressing fair share issues. Shernon Osepa emphasized the responsibility of organizations like the Internet Society to guide stakeholders in the right direction to prevent a fragmented internet.

The conversation ended with an acknowledgment that the short time did not fully cover the complexity of the issue.

Panel Discussion: Digital Democracy and Citizen Participation

(within the context of data driven strategy and experience)

This session focused on digital democracy and citizen participation. Mr. Gary Kalloo, the Director of Business Development and Implementation Support at the CTO, took on the role of the moderator for this panel discussion. The panellists included Digital Governance Expert Miss Carol Roach, Miss Simone Joseph Olivier, Assistant Director of the E-Government Unit Information Technology Services Division from St. Vincent and the Grenadines, and Miss Denise White, Deputy National Chief Digital Officer at the Ministry of Digital Transformation of Trinidad and Tobago.

To commence the conversation, the focus shifted to the topic of digital democracy and citizen participation, also known as participatory governance. The moderator, Mr. Kalloo, initiated the

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discussion by asking Ms. Roach to provide an overview of what digital democracy and participatory government entail.

She initiated the discussion by emphasizing the need for mechanisms promoting representation, inclusion, and participation. She stressed the importance of prioritizing inclusion from the start, advocating for transparency, accountability, and trust in government actions. Ms. Roach highlighted the significance of setting data standards and an agile legislative process to keep pace with evolving technology.

Addressing digital rights based on human rights principles, she underscored the urgency of digital literacy and capacity building, especially in the Caribbean, to bridge the digital divide. Ms. Roach concluded by emphasizing the necessity of a free, open, and inclusive internet while protecting human rights in the digital age. She called for citizen-centric digitalization that considers transparency, accountability, and inclusivity.

Ms. Denyse White acknowledged the relevance of the discussion to Trinidad and Tobago's context, particularly regarding efforts to enhance meaningful connectivity and inclusion. She emphasized the importance of ensuring policies are both useful and usable, highlighting the challenge that people may not be fully aware of what they don't know. Ms. White provided a concrete example of developing a national digital transformation strategy in Trinidad and Tobago, underscoring the proactive approach to involve a diverse range of individuals from the outset. She stressed the significance of a two-way communication process, where citizens are engaged not only in providing input but also in receiving feedback on the outcomes and impact of initiatives, thus fostering a foundation for democracy and digital democracy.

Ms. Simone Joseph Olivier echoed agreement with the importance of involving citizens in the decision-making process, emphasizing the need to include them at the beginning rather than the end. She highlighted ongoing projects in St. Vincent and the Grenadines, part of the Caribbean Digital Transformation Project, where consultations with the public, private sector, and civil society are underway. Ms. Joseph Olivier stressed the value of understanding how the public wants to see services transformed and engaging them in the decision-making process. She shared insights into the challenges, including privacy concerns, the digital divide, potential dominance of minority voices, and security issues. Moving to the context of St. Vincent and the Grenadines, she delved into the country's digital transformation project, focusing on three main components: digital enabling environment, digital government infrastructure, and skills and technology adoption. She highlighted initiatives such as upgrading civil registry systems, implementing a payment platform, and developing a citizen portal. Additionally, Ms. Joseph Olivier mentioned the draft digital skills strategy and plans to support micro, small, and medium enterprises in various sectors. She concluded by posing a question to participants, asking what one thing they would change to enhance digital democracy and civic participation.

Mr. Gary Kalloo inquired about the cultural readiness for citizen participation in the Caribbean region as initiatives are implemented internationally. Ms. Carol Roach expressed concerns about apathy among Caribbean people, emphasizing the need for sustained activism and dedicated voices for marginalized groups. She highlighted the absence of active civic groups in the Caribbean and stressed the importance of committed resources and dedicated efforts to address societal issues. Mr. Kalloo emphasized the importance of sensitization and building awareness. Shifting to Trinidad and Tobago, he asked Ms. Denise White about the supply and demand sides of government services. Ms. White emphasized the need for a partnership between the government and civil society, stressing that the government must demystify its actions and communicate effectively. She pointed out the importance of motivating people by defining common goals and ensuring proper communication, focusing on the destination rather than relying solely on technology.

The Q&A discussion revolved around the need to move beyond mere talk on digital democracy and transition to action-oriented approaches. Participants emphasized the importance of taking the information gathered in forums like the IGF and actively engaging various stakeholders, including the private sector. There was a call for participants to be champions in their respective sectors and carry the discussions forward to influence positive change. The significance of ministerial involvement and getting decision-makers to understand the impact of technology on people's lives was underscored. The session concluded with a commitment to continue participating in such forums and working towards tangible outcomes.

Caribbean Internet Governance Policy Framework

The second day of the CIGF document review, led by Mr. Cassimire, focused on the importance of clarity in the Caribbean's data governance approach. Discussions highlighted the philosophical stance on data protection as a human right versus enabling free enterprise. The need for awareness of the region's position in data protection, considering e-commerce at a macro level, and addressing cybercrime and cybersecurity were key points.

Refinements were made in sections related to cyber culture, security, and crime. Emphasis was on keeping cybercrime separate, including cyber security and cyber hygiene, and ensuring continuous capacity building for law enforcement. Collaboration and mutual legal assistance in cross-border cybercrime were stressed.

Suggestions were made to include civil society and individuals in digitization efforts, recognizing valuable content outside official archives. Diversity, linguistic and cultural, was emphasized in the content section. The human and cultural rights section was refined to address the diversity of the Caribbean region.

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The importance of reforming laws for human rights in the cyber world was highlighted. The research section aimed to capture regional experiences, protect indigenous data, and consider a multi-stakeholder advisory group for the CIGF's operational structure.

Considerations for including individuals as stakeholders, using "technical community" as a more inclusive term, and addressing governance challenges for individual participation were discussed.

Open Mic

The floor was opened to questions and comments from attendees. They ranged from the existence of AI for the cosmetology industry to the legality of AI images based on an individual's likeness. The challenge of individual representation at forums was raised, as there was no option to indicate independent, and civil society was selected. This was commented on by the Secretary General, from a policy development point of view. A request was made to focus on the economic aspect of the Internet. Questions regarding the freedom of choice, while maintaining privacy on a regulated Internet were posed. AI and its uses were further discussed, and its dominance of the agenda was noted by Secretary-General Taylor in his closing remarks. The speakers, forum sponsors, attendees and CTU Secretariat staff were thanked.

Conclusion

The 19th CIGF and 2nd CYIGF successful concluded after 3 days, with plans to finalize the CIGPF document, circulate a final draft for review, and implement awareness strategies, including social media engagement and blog posts. The CTU will also examine what role and follow up actions it might take with policymakers to assist Caribbean content creators to better facilitate monetization within the region. The CTU's online discussion forum, accessible via the CTU website will be revitalized and utilized to advance the work associated with updating the Caribbean Internet Governance Policy Framework.

To view the recording of 19th CIGF and 2nd CYIGF visit the following link:

https://www.youtube.com/playlist?list=PL9-4wsDlxICBiMON1dcTX_nwrlLSQPMm1

Appendix 1 –19th CIGF Agenda

PROGRAMME AT A GLANCE

Time	Day 1, Aug 22 Capacity Building & CYIGF	Day 2, Aug 23 19 th CIGF	Day 3, Aug 24 19 th CIGF
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AM	Welcome & Introduction to Internet Governance	Opening Ceremony	Hot Topics in IG: 1. Artificial Intelligence 2. Bridging the Digital Divide 3. Infrastructure Investment “Fair Share”
	Capacity Building Session	CIGF @ 19 Reviewing CIGF Vision and Mission	
AM		National, Regional & Global IG Contexts: • Reports from National IGFs (T&T, SVG, Barbados et al) • Report from LACIGF • UN IGF and support for National & Regional Initiatives (NRIs)	Panel: Digital Democracy and Citizens Participation
	Capacity Building Session		
PM		Workshop Session: Caribbean Internet Governance Policy Framework Issue 4.0	Report and Synthesis from Workshop Sessions
	Caribbean Youth IGF Session		
PM		Workshop Session: Caribbean Internet Governance Policy Framework Issue 4.0	Open Microphone
	Caribbean Youth IGF Session		Conclusions
Evening			

Stream: WWW.CTU.INT/16CIGF

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DAY ONE: TUESDAY AUGUST 22ND 2023

19TH CARIBBEAN INTERNET GOVERNANCE FORUM (CIGF)

TIME (A.S.T.)	TOPIC	SPEAKER
9:00 am - 9:05 (5 minutes)	Welcome	Mr. Rodney Taylor - Secretary-General, CTU
9:05am – 9:50 am (55 minutes)	Introduction to Internet Governance - Caribbean Perspectives from the Internet Organisations	Mr. Nate Davis - Senior Government Affairs Analyst, ARIN Mr. Albert Daniels - Senior Stakeholder Engagement Manager, ICANN (<i>Virtual</i>) Mr. Shernon Osepa - Director, Caribbean Affairs, ISOC (<i>Virtual</i>) Mr. Kevon Swift - Head of Public Safety Affairs, LACNIC
9:50am – 10:30am (40 minutes)	Capacity Building Session #1: ICT Indicators to Measure Connectivity and Support Policy Development	Mr. Martin Schaaper Senior ICT Analyst, ITU (<i>Virtual</i>)
10:30am – 10:45am (15 minutes)	COFFEE BREAK	
10:45am – 11:30am (45 minutes)	Capacity Building Session #2: Cybersecurity and Cybercrime – International Cooperative Frameworks and National Imperatives	Ms. Andrea Martin-Swaby - Senior Deputy Director of Public Prosecutions & Head, Cybercrime & Digital Forensics Unit - Jamaica (<i>Virtual</i>) Amb. Claudio Peguero, (Dominican Republic) (<i>Virtual</i>) Ms. Valentina Name, Cybersecurity Program Officer, Secretariat of the Inter-American Committee against Terrorism (CICTE) (<i>Virtual</i>)
11:30am – 11:50am (20 minutes)	Caribbean and Latin American Research Initiatives and Products in Internet Governance: LACNIC's Lideres 2.0	Ms. Paula Oteguay, LACNIC (<i>Virtual</i>)
11:50 am - 12:00pm (10 minutes)	QUESTION AND ANSWER SEGMENT	
12:00pm – 1:00pm	LUNCH	

2ND CARIBBEAN YOUTH INTERNET GOVERNANCE FORUM

TIME (A.S.T)	TOPIC	SPEAKER
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1:00pm – 1:05pm	2 ND CYIGF Opening Remarks	Rodney Taylor, CTU SG Tariq Mohammed, CYIGF
1:05pm - 1:07pm	Group photo	CTU Technical Team
1:07pm – 1:15pm	Presentation: Youth IG Action Plan	Tyler Seudath, CYIGF
1:15pm - 2:00pm (10 mins Q&A)	Roundtable Discussion: Leveraging ICTs for Caribbean Youth Development Ahead of the Global Digital Compact	Moderator: Jael Goddard, MDT - Filippo Pierozzi, Associate Expert, UN Office of the Secretary-General's Envoy on Technology (Virtual) • Tracy Hackshaw, Director, TTMAG (Virtual) - Abriana Cooper, CaribbeanGirlsHack Intern, UTECH (Virtual) - Maria Divina OBrien, Google WomenTechMakers TT, Women inTech Caribbean (Virtual)
2:00pm - 2:15pm	Presentation: Taking advantage of AI by Caribbean Youth	Xavier Jhon-Clair, XRLab (Virtual) Q&A: Keron Rose
2:15pm – 2:50pm (10 mins Q&A)	Roundtable Discussion: AI Governance: - Addressing policy and regulatory challenges surrounding AI - Guidelines for AI development and deployment as well as fostering regional and international cooperations for governing AI - Intellectual property and data security considerations	Moderator: Keeghan Patrick, CYIGF (Virtual) - Jennifer Gutierrez Yañez, Generation Connect Americas Youth Envoy, ITU (Virtual) - Leslie Lee Fook, Director of AI, Automation and Analytics, Incus Services Limited - Keith Laban, Startl Reality - Adrian Dunkley - Founder, StarApple AI & StarApple Analytics (Virtual)
2:50pm – 3:30pm	Panel Discussion: Opportunities for Regional Youth Development	Moderator: Steffon Lewis and Caron David, MDT - Mr. Shergaun Roserie, Co-CEO Orbtronic Ltd. (Virtual) - Cleveland Thomas, ITU (Virtual) - Nicole Pitter Patterson, Caribbean Girlz Hack / She Leads IT (Virtual) - Raj Ramdass, RSC TechClubs Trinidad & Tobago (Virtual)
3:30pm – 4:00pm	Presentation: From Vision to Reality: CYIGF as an NRI	- Ms. Anja Gengo, Associate Programme Expert/National and Regional IGF Initiatives Focal Point, UN IGF Secretariat (Virtual) - Q&A: Keron Rose
4:00pm – 4:10pm	2 ND CYIGF Closing Remarks	- Ms. Nia Nanan, Youth Envoy, CTU - Mr. Tariq Mohammed, CYIGF

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DAY TWO: WEDNESDAY AUGUST 23RD 2023

19TH CARIBBEAN INTERNET GOVERNANCE FORUM (CIGF)

TIME (A.S.T.)	TOPIC	SPEAKER
9:00am – 10:00am Opening Ceremony	Opening Remarks Greetings Remarks Keynote Address	Mr. Rodney Taylor, Secretary-General, CTU Mr. Amandeep Singh Gill - UN Tech Envoy (<i>Virtual</i>) Mr. Albert Daniels, ICANN, (<i>Virtual</i>) Mr. Shernon Osepa, ISOC (<i>Virtual</i>) Mr. Kevon Swift, LACNIC Mr. Bevil Wooding ARIN Mr. Chengetai Masango - UN IGF Secretariat (<i>Virtual</i>) (Group Photo)
10:00am – 10:30am	CIGF @ 19 – Review of CIGF Vision, Mission, Challenges and the Road Ahead	Mr. Nigel Cassimire, Deputy Secretary-General, CTU
10:30am – 10:45am	COFFEE BREAK	
10:45am – 12:15pm	National, Regional and Global IG Contexts	Reports from National IGFs • Ms. Jacqueline Morris - TTIGF • Mr. Willis Williams - SVG IGF • Ms. Stéphanie Joseph, President ISOC - Haiti IGF • Ms. Lilian Chamorro Rojas - Coordinator, LACIGF (<i>Virtual</i>) • Ms. Anja Gengo - UN IGF Secretariat (<i>Virtual</i>)
12:15pm – 1:30pm	LUNCH	
1:30 pm - 2:00 pm	AI in the Caribbean – Policy Roadmap	Mr. Paul Hector, UNESCO Mrs. Erica Simmons, Consultant, IEEE/UNESCO
2:00pm – 2:45pm	Workshop Session: Caribbean Internet Governance Policy Framework Issue 4.0	Mr. Nigel Cassimire, Facilitator Deputy Secretary-General, CTU
2:45pm – 3:00pm	COFFEE BREAK	
3:00pm – 4:30pm	Workshop Session: Caribbean Internet Governance Policy Framework Issue 4.0	Mr. Nigel Cassimire, Deputy Secretary-General, CTU

DAY THREE: THURSDAY AUGUST 24TH 2023

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19TH CARIBBEAN INTERNET GOVERNANCE FORUM (CIGF)

TIME (A.S.T.)	TOPIC	SPEAKER
9:00am – 9:45am	Hot Topics in IG Session #1: AI – Opportunities, Risks and Challenges of Generative AI	Moderator: Mr. Keron Rose - Audace Niyonkuru, PNAI - Mr. Adrian Dunkley - Founder, StarApple AI & StarApple Analytics (Virtual) - Yung-Hsuan Wu, Researcher, Diplofoundation
9:45am – 10:30am	Hot Topics in IG Session #2: Bridging the Digital Divide – Accessibility and Inclusion	Moderator: Ms. Kristerbella Sookdeo, (Fortinet) - Ms. Annie Baldeo, TATT - Mr. Shernon Osepa, ISOC (Virtual) - Gregory Smith, UNDP - Zack Blackburn, International Regulatory Affairs Manager, Amazon Project Kuiper
10:30am – 10:45am	COFFEE BREAK	
10:45am – 11:15am	Hot Topics in IG Session #3: Infrastructure “Fair Share” Contribution - Views from the Internet Organisations (i-Orgs)	Moderator: Mr. Rodney Taylor, CTU - Mr. Shernon Osepa - Director, Caribbean Affairs ISOC (Virtual) - Mr. Albert Daniels - Senior Manager, Stakeholder Engagement, Caribbean, ICANN (Virtual) - Mr. Kevon Swift - Head of Public Safety Affairs LACNIC
11:15am – 12:15am	Panel Discussion: Digital Democracy and Citizen Participation <i>(within the context of data driven strategy and experience)</i>	Moderator: Gary Kalloo, Director of Business Development and Implementation Support, CTU - Digital Governance Expert - Ms. Carol Roach (Virtual) - St. Vincent and the Grenadines – Ms. Simone Joseph-Ollivierre (Virtual) - Trinidad and Tobago – Ms. Denyse White
12:15pm – 1:30pm	LUNCH	
1:30pm – 3:00pm	Report and Synthesis from Workshop Sessions	Mr. Nigel Cassimire, Deputy Secretary-General, CTU
3:00pm – 3:15pm	COFFEE BREAK	
3:15pm – 3:45pm (30 minutes)	Open Microphone	Moderator: Mr. Keron Rose
15 minutes	Conclusions and Next Steps	Nia Nanan, Senior Research Analyst, CTU
3:45pm – 4:00pm (5 minutes)	19 th CIGF Closing Remarks	Mr. Rodney Taylor, Secretary-General, CTU

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Appendix 2 – Listing Of Attendees



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#	First Name	Last Name	Job Title	Organization	Country/Region Name	Indicate Sector
1	Alicia	Carter-Fisher	Chief Information Officer	IMA	Trinidad and Tobago	Academia
2	Alicia	Carter	Chief Information Officer	IMA	Trinidad and Tobago	Academia
3	Anna-Maria	Baptiste	Graduate Student	Carnegie Mellon University	United States	Academia
4	Ayesha	Holder	Legal Secretary	Fair Trading Commission	Jamaica	Academia
5	Chiara	Frank	Future Lawyer	Personal	Antigua and Barbuda	Academia
6	Dianne	Thurab-Nkhosi	Sr Programme Officer	The University of the West Indies	Trinidad and Tobago	Academia
7	Dianne	Abel-Jeffrey	Principal	Ministry of Education	Grenada	Academia
8	Faith	Clarke	CTU Intern	Caribbean Telecommunications Union	Trinidad and Tobago	Academia
9	Freida	Palma	Director of Open and Distance Learning	University of Belize	Belize	Academia
10	Hayley	Gittens	Student	The university of the west indies	Trinidad and Tobago	Academia
11	Jacqueline	Huggins	Manager	The University of the West Indies St Augustine Campus	Trinidad and Tobago	Academia
12	Kadia	Francis	Community Manager	Digital Jamaica	Jamaica	Academia
13	Kareshma	Ragoonathsingh	student	utt	Trinidad and Tobago	Academia



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14	Kris	Rampersad	innovator Creator Founder	Leaves of Life	Trinidad and Tobago	Academia
15	Monique	George	Assistant Coordinator: ITS	Sir Arthur Lewis Community College	Saint Lucia	Academia
16	Nisha	Hope	Educator	Ministry of Education	Saint Vincent and the Grenadines	Academia
17	Orletta	John	Teacher	Ministry of Education	Guyana	Academia
18	Somattie	Sayrange	Librarian 1	University of Guyana	Guyana	Academia
19	Glenn	McKnight	Information Officer	Virtual School of Internet Governance	Canada	Academia
20	Michael	Osei Gyasi	Executive Director	Ignite Youth Ghana	Ghana	Academia
21	Michael	Malcolm	President	Micros Coaching and Consulting Inc	Canada	Academia
22	MOTISELA	GONEVOU	teacher	education	Fiji	Academia
23	Nuraini	Usman	Assistant Lecturer	Jigawa State	Nigeria	Academia
24	Roger	Chung	Chair, ICTs and Digital Technologies	College of Science Technology and Applied Arts of Trinidad and Tobago	Trinidad and Tobago	Academia
25	Ryan	Clarke	Graduate Teacher	UWI Cave Hill	Barbados	Academia
26	Sherif	Mustafa	Legal Data Analyst	ISOC - EG	Egypt	Academia
27	Stevens	Montissol	Responsable	ESIH	Haiti	Academia
28	Suniel	Gopaul	Research Office	Fair Trading Commission	Trinidad and Tobago	Academia
29	Trent	Reuben	Student	University of the West Indies	Trinidad and Tobago	Academia
30	Keith	Laban	Educator/Developer	tartl / SoftDev Interactive / Bishop Anstey High School East & Trinity	Trinidad and Tobago	Academia



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College East						
31	Makö	Williams	Ceo	iLabGlobal Inc Caribbean Tech Genius Foundation	Antigua and Barbuda	Academia
32	BETTY	FAUSTA	CEO	IPEOS	Guadeloupe	Civil society Internet Users
33	Cathrona	Samuel	Coordinating Team Member	CaribNOG	Antigua and Barbuda	Civil society Internet Users
34	cecile	desjours	Administrative	Diplofoundation	Switzerland	Civil society Internet Users
35	Deirdre	Williams	Retired	Independent	Saint Lucia	Civil society Internet Users
36	Deirdre	English Gosse	DSG	Attorney General's Chambers	Jamaica	Civil society Internet Users
37	Demeece	Manwarring	Attorney at law	TTMAG	Trinidad and Tobago	Civil society Internet Users
38	Donna	Noreiga	Website Developer	Focus on God's Word Ministries	Trinidad and Tobago	Civil society Internet Users
39	Jacqueline	Morris	Chair ISOCTT	TTMAG/ISOC-TT	Trinidad and Tobago	Civil society Internet Users
40	Jameela	Daniel	Medical doctor	Ncrha	Trinidad and Tobago	Civil society Internet Users
41	Jonquil	Cadougan	Retired	ISOC St Vincent	Saint Vincent and the Grenadines	Civil society Internet Users



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42	Judith	Hellerstein	CEO	H&A	United States	Civil society Internet Users
43	Julemine	Laurent	Coordinator	Groupe ment des Jeunes Universitaires pour l'Avancement d'Haïti (GJUPAH)	Haiti	Civil society Internet Users
44	June	Parris	Member	ISOC	Barbados	Civil society Internet Users
45	Laurel	Yancey	Managing Partner	Law Office of Laurel G Yancey, PC	United States	Civil society Internet Users
46	Mel	Lewis	Admin. Assistant	Self	Trinidad and Tobago	Civil society Internet Users
47	Melika	Dick-St Lewis	Teacher	MelMotions Dance Academy	Trinidad and Tobago	Civil society Internet Users
48	Roxanne	John	President	ISOC SVG Chapter	Saint Vincent and the Grenadines	Civil society Internet Users
49	Treasha	Toussaint	Revenue Officer/CEO of nonprofit/non-government organisation for Single Mothers	Non-profit/Non-government for Single Mothers	Dominica	Civil society Internet Users
50	Jacqueline	Morris		TTIGF	Trinidad and Tobago	Civil society Internet Users
51	Maria	OBrien		Google WomenTechMakers TT, Women inTech Caribbean		Civil society Internet Users
52	Nicole	Patterson	CoFounder	SheLeadsIT	Jamaica	Civil society Internet Users

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53	Carlton	Samuels	Digital Transformation Coach	ISOC Jamaica	Jamaica	Civil society Internet Users
54	Christopher	Chinapoo	Leo Youth Education Chair	Lions Club of St Andrew Central	Jamaica	Civil society Internet Users
55	Devin	Richardson	CEO	Buckie Got It Media	Saint Kitts and Nevis	Civil society Internet Users
56	Edward	Williams	treasurer	internet society sierra leone chapter	Sierra Leone	Civil society Internet Users
57	Embert	Charles	Consultant	Meccar Inc.	Saint Lucia	Civil society Internet Users
58	Ernest	Mafuta	Chair	Affordable Internet AccessSIG	Zambia	Civil society Internet Users
59	Fitzmaurice	Christian	Member	ISOC Antigua Steering Committee	Antigua and Barbuda	Civil society Internet Users
60	Grayson	Stedman	CEO	Eclipse Technologies	Dominica	Civil society Internet Users
61	Isaac Yaw	Obeng	Head of Research	CUTS International Accra	Ghana	Civil society Internet Users
62	Jean Beeroth	Corneille	Informaticien	All-In	Haiti	Civil society Internet Users
63	Jonel	Joseph	Secrétaire Général	ASEJHANO	United States	Civil society Internet Users
64	Lanre	Chin	Mentoring Officer	Jamaica Teaching Council	Jamaica	Civil society Internet Users
65	Lavish	Mensah	Programmes Officer (Finance & Social Media Manager)	E-Governance and Internet Governance Foundation for Africa	Ghana	Civil society Internet Users

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66	Lesroy	Williams	Director General	St. Kitts and Nevis Information Service	Saint Kitts and Nevis	Civil society Internet Users
67	Marc-Daïver	Pierre	Membre	ISOC Chapitre Haïti	Haiti	Civil society Internet Users
68	Matthew	Cowen	Consultant	dgtlfutures	Martinique	Civil society Internet Users
69	OBED	SINDY	Membre du Conseil	Internet Society Haiti Chapter	Haiti	Civil society Internet Users
70	PATRICK	MATOVU	SALES associate	LOWE'S	Canada	Civil society Internet Users
71	Raphel	Bélizaire	Membre	ISOC HT	Haiti	Civil society Internet Users
72	Romario	Antoine	CEO	Nahro Entreprise	Haiti	Civil society Internet Users
73	Shawn	Melville	Managing Director	Ipsum Technologies Limited	Trinidad and Tobago	Civil society Internet Users
74	Winston	Perry	Retired	Winston Perry	Antigua and Barbuda	Civil society Internet Users
75	Zakaria	Issa Moustapha	Vice président du conseil d'administration	Aciedd	Chad	Civil society Internet Users
76	Keron	Rose				Civil society Internet Users
77	Tracy	Hackshaw	Director	TTMAG	Trinidad and Tobago	Civil society Internet Users
78	Nigel	Cassimire	Deputy Secretary-General	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat



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79	Rodney	Taylor	Secretary-General	Caribbean Telecommunications Union	Barbados	CTU Secretariat
80	Francola	John	Relationship & Events Management Specialist	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
81	Tamika	Campbell-Carter	Executive Assistant	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
82	Tracy	Akie-Raymond	Executive Assistant	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
83	Gary	Kaloo	Director	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
84	Richard	Feveck	IT Specialist	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
85	Selby	Wilson	Director	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
86	Leah-Marie	Villafana	CTU- Summer Intern	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
87	Shanea	Lewis	Policy Analyst	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
88	Tracy	Raymond	Executive Assistant	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
89	Trevor	Prevatt	Director, Stakeholder Engagement	Caribbean Telecommunications Union	Trinidad and Tobago	CTU Secretariat
90	Anna	Bagdasaryan	IT	AB	Canada	Government policy makers and IT Managers



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91	Caron	David	DTA	Ministry of Digital Transformation	Trinidad and Tobago	Government policy makers and IT Managers
92	Cjeryleann	Pemberton	Permanent Secretary	Government of St. Kitts and Nevis/ Ministry of Information, Communications and Technology	Saint Kitts and Nevis	Government policy makers and IT Managers
93	Erica P	Harris	Director, IT Strategy Unit	Ministry of Finance	Jamaica	Government policy makers and IT Managers
94	Gabrielle	Johnson	External Relations Analyst	Ministry of Digital Transformation	Trinidad and Tobago	Government policy makers and IT Managers
95	Gabrielle	Sankar	External Relations Analyst	Ministry of Digital Transformation	Trinidad and Tobago	Government policy makers and IT Managers
96	Juanita	Maclean	Policy Official	Ministry of Transport, Communication and Tourism	Suriname	Government policy makers and IT Managers
97	Kathy-Ann	AlexanderFraser	Assistant registrar	Industrial court of Trinidad and Tobago	Trinidad and Tobago	Government policy makers and IT Managers
98	Kaydian	Smith Newton	Principal Director	Government	Jamaica	Government policy makers and IT Managers



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99	Kim	Spencer	Subject Specialist -Education, Innovative and Information Communication Technology	Ministry of Education	Guyana	Government policy makers and IT Managers
100	LouellaAnne	Edwards	Manager - IT Services	Central Bank of Trinidad and Tobago	Trinidad and Tobago	Government policy makers and IT Managers
101	Maureen	Hilyard	Consultant	Maureen Hilyard - Consultant	Cook Islands	Government policy makers and IT Managers
102	Melissa	Scott	Administrative Support Officer	Ministry of Digital Transformation	Trinidad and Tobago	Government policy makers and IT Managers
103	Michelle	Joseph	Senior Trade Policy Analyst	Ministry of Trade	Antigua and Barbuda	Government policy makers and IT Managers
104	Monique	Clement	Policy and Research Assistant	Ministry of Digital Transformation	Trinidad and Tobago	Government policy makers and IT Managers
105	Natalie	Maharaj	Director, ICT	Ministry of Public Administration	Trinidad and Tobago	Government policy makers and IT Managers
106	Ophelia	Blanchard	Director	Government of St. Kitts and Nevis, Department of Technology	Saint Kitts and Nevis	Government policy makers and IT Managers
107	Renee	Grimes	Policy and Research Associate	Ministry of Digital Transformation	Trinidad and Tobago	Government policy makers and IT Managers



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108	Sharlin	Borel	Regional Facilitator	Rotary E-Club of Vision NYC	Trinidad and Tobago	Government policy makers and IT Managers
109	Shealsha	Payne	ICT Officer	Ministry of Communication, Works, Labour & Energy	Montserrat	Government policy makers and IT Managers
110	ShelleyAnn	Clarke-Hinds	Snr Executive Manager, External Relations	Ministry of Digital Transformation	Trinidad and Tobago	Government policy makers and IT Managers
111	Sherry	McMillan	Executive Officer Corporate Communications	Telecommunications Authority of Trinidad and Tobago	Trinidad and Tobago	Government policy makers and IT Managers
112	Tricia	Puckerin	Legal Research Officer	Telecommunications Authority of Trinidad and Tobago	Trinidad and Tobago	Government policy makers and IT Managers
113	Utica	Alves	Project Officer	CARICOM Secretariat	Guyana	Government policy makers and IT Managers
114	Wendy	Palas	Policy Advisor	Ministry of Transport, Communication and Tourism	Suriname	Government policy makers and IT Managers
115	Andrea	Martin-Swaby	Senior Deputy Director of Public Prosecutions & Head	Cybercrime & Digital Forensics Unit	Jamaica	Government policy makers and IT Managers
116	Annie	Baldeo	Executive Officer Policy, Planning and Economics	Telecommunications Authority of Trinidad and Tobago	Trinidad and Tobago	Government policy makers and IT Managers



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117	Carol	Roach	Under Secretary	MINISTRY OF ECONOMIC AFFAIRS GOVERNMENT OF THE BAHAMAS	Barbados	Government policy makers and IT Managers
118	Denyse	White			Trinidad and Tobago	Government policy makers and IT Managers
119	Andre	Browne	IT Manager	AIA	Saint Vincent and the Grenadines	Government policy makers and IT Managers
120	Aneil	Raghunanan	Chief Solutions Architect	MEEI	Trinidad and Tobago	Government policy makers and IT Managers
121	Carlon	Browne	Director	Information Technology Services Division	Saint Vincent and the Grenadines	Government policy makers and IT Managers
122	Daryl	Jackson	Telecommunications Consultant	Ministry of Telecommunications	Antigua and Barbuda	Government policy makers and IT Managers
123	Edelin	Destin	Manager	D&D	Haiti	Government policy makers and IT Managers
124	Edmond	Jackson	Director General Finance and Planning	Ministry of Finance, Economic Planning and Information Technology	Saint Vincent and the Grenadines	Government policy makers and IT Managers
125	Fitzroy	Edinburgh	Coordinator, Digital Training	Government of St. Kitts and Nevis/ Department of Technology	Saint Kitts and Nevis	Government policy makers and IT Managers



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126	Flavio	Gonzalez	Diplomat	Embassy of Mexico in Trinidad and Tobago	Mexico	Government policy makers and IT Managers
127	Frank	Sioneholo	Economics Planning + Trade Dept	Economics Planning + Trade Dept, Ministry of Finance	Niue	Government policy makers and IT Managers
128	Franklin	Maanster	Manager ICT	Self Reliance Insurance	Suriname	Government policy makers and IT Managers
129	ismael	noble	ict manager	Ministry of Education - Belize	Belize	Government policy makers and IT Managers
130	Jesse	Pierre	Cso	Caribbean Credit Card Corporation	Saint Kitts and Nevis	Government policy makers and IT Managers
131	Josiah	Hutson	Project/Network Manager	HTX ENTERPRISE	Guyana	Government policy makers and IT Managers
132	Julian	Prescod	Researcher	None	Trinidad and Tobago	Government policy makers and IT Managers
133	Lerone	Brathwaite	Strategic Intelligence Team Lead	Ministry of Digital Transformation	Trinidad and Tobago	Government policy makers and IT Managers
134	levi	St.Marie	Innovation Officer	Innovation Division (Government of Saint Lucia)	Saint Lucia	Government policy makers and IT Managers



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135	Martin	Felix	Consumer Affairs Officer	Consumer Affairs Unit	Grenada	Government policy makers and IT Managers
136	Michael	Belle	Programmer	BRA	Barbados	Government policy makers and IT Managers
137	Omar	Gale	ICT Manager	UNDP	Belize	Government policy makers and IT Managers
138	Phil	Mingo	Head of Information Systems	Ministry of Education	Guyana	Government policy makers and IT Managers
139	Tchenjiny	Joseph	IT Pro	TchensslTech	Haiti	Government policy makers and IT Managers
140	Anisa	Duncan	Policy and Research Analyst	Telecommunications Authority of Trinidad and Tobago	Trinidad and Tobago	ICT Regulators
141	Anniesa	Butkoon	Legal Advisor	Telecommunications Authority of Trinidad and Tobago	Trinidad and Tobago	ICT Regulators
142	Ashley	Johnson	Admin assistant	Ectel	Saint Lucia	ICT Regulators
143	Bah,	Mavis Johnson Collie	Data Governance and Information Management Advisor	URCA	Bahamas	ICT Regulators
144	Janelle	Augustin-Henry	Information Systems Manager	Eastern caribbean Telecommunications Authority	Saint Lucia	ICT Regulators
145	Lorraine	Patterson Walters	Legal Officer	Office of Utilities regulation	Jamaica	ICT Regulators



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146	Nakesha	Allen-Gardner	Snr. Regulatory Analyst	Office of Utilities Regulation	Jamaica	ICT Regulators
147	Nicole	Morgan	Legal Counsel	Office of Utilities Regulation	Jamaica	ICT Regulators
148	Sonja	Douglas	Policy and Research Analyst	Telecommunications Authority of Trinidad and Tobago	Trinidad and Tobago	ICT Regulators
149	Andre	Freeman	Senior Technical Specialist	National Telecommunications Regulatory Commission	Saint Kitts and Nevis	ICT Regulators
150	Clifton	Riley	Executive Manager	MICA	Montserrat	ICT Regulators
151	Damien	Harrigan	Executive Director	Public Utilities Commission Anguilla	Anguilla	ICT Regulators
152	Gabriel Sorel	Eto'o	Administrateur des Postes, Télécommunications et Ict	Diplômé de l'Ecole des Postes Télécommunications et ICT de yaounde	Cameroon	ICT Regulators
153	Gordon	Swaby	Engineer	OUR	Jamaica	ICT Regulators
154	Guy Lester	Malone	Chief Executive Officer	Telecommunications Regulatory Commission	Virgin Islands (British)	ICT Regulators
155	Ian	Callow	Deputy Executive Director Information (Acting)	Utility Regulation and Competition Office	Cayman Islands	ICT Regulators
156	Karel	Douglas	EO Legal and Enforcement	TATT	Trinidad and Tobago	ICT Regulators
157	Paul	Payne	Chairman	Montserrat Info-Communications Authority	Montserrat	ICT Regulators
158	Schallum	Pierre	CEO	Data Ethics Expertise Network - DEEN (In French, Réseau d'expertise en éthique de données)	Canada	ICT Regulators
159	Sidney	de Weever	Head of Technical	Bureau Telecommunications and Post	Sint-Maarten (Dutch)	ICT Regulators



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160	Amanda	Mitchell	N/A	N/A	Trinidad and Tobago	International organisations
161	Camille	Chow	Finance and Management Accountant	Caribbean Telecommunications Union	Trinidad and Tobago	International organisations
162	Gabriela	Corbera	Consultant	Independent Consultant	United States	International organisations
163	Jennifer	Britton	DPM-ICT4D	Caribbean Community (CARICOM) Secretariat	Guyana	International organisations
164	Lika	Diouf	Associate Programme Management Officer	United Nations Economic Commission for Latin America and the Caribbean	Trinidad and Tobago	International organisations
165	Melisse	Ogilvie	Program Manager	DAI	Grenada	International organisations
166	Michelle	Garcia	Marketing and Communications Specialist	Caribbean Telecommunications Union	Trinidad and Tobago	International organisations
167	NATALIE	KARALIYO	Student	University of Papua New Guinea	Papua New Guinea	International organisations
168	Nusa	Tomic	Diplomatic Coordination Lead for the Freedom online Coalition Support Unit	Global Partners Digital	Croatia	International organisations
169	Stephanie	Joseph	PRESIDENT	ISOC HAITI CHAPTER	Haiti	International organisations
170	Anja	Gengo	Associate Programme Expert and NRIs Focal Point	United Nations Internet Governance Forum Secretariat	Geneva	International organisations
171	Erica	Simmons	Consultant	IEEE/UNESCO		International organisations

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172	Paula	Oteguay	Multi-stakeholder Engagement Coordinator	LACNIC		International organisations
173	Valentina	Name	Cybersecurity Program Officer	Organisation of American States		International organisations
174	Akil	Andrews	IT Manager	Halliburton	Trinidad and Tobago	International organisations
175	Amare	Shaw	Regional Manager	Newgen Software	Trinidad and Tobago	International organisations
176	Bennette	Thomas	Director of Public & Private Partnerships	Konabos zinc.	Dominica	International organisations
177	Dale	Alexander	Chief, Caribbean Knowledge Management Centre	Economic Commission for Latin America and the Caribbean	Trinidad and Tobago	International organisations
178	Emmanuel	Ndilowe	Managing Director	Dividend Group	Malawi	International organisations
179	Gregory	Smith	Head of Exploration	UNDP	Trinidad and Tobago	International organisations
180	Julian	Wilkins	Ambassador Caribbean Region	Cenerva	Antigua and Barbuda	International organisations
181	Leon	Richardson	Organisational Development/Human Resources Advisor	Regional Judicial and Legal Services Commission	Trinidad and Tobago	International organisations
182	Maridjo	Tjitrodipo	Business Annalist	Tjitrodipo Consultancy	Suriname	International organisations
183	Mitra	Sinanan	Chief Solutions Architect	Caribbean Court of Justice	Trinidad and Tobago	International organisations

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184	Nakash	Hall	Founder	Hall-Tech Consulting	Jamaica	International organisations
185	Phillip	Jackson	Advisor - Innovation and Digital Business	Caribbean Export Development Agency	Barbados	International organisations
186	Riaz	Boodram	Digital Youth Envoy	ITU	Trinidad and Tobago	International organisations
187	Shaquille	Joseph	Director	A&S Logisitque Mondiale Ltd LLC	Trinidad and Tobago	International organisations
188	Albert	Daniels	Senior Stakeholder Engagement Manager	ICANN	Saint Lucia	International organisations
189	Amandeep	Singh	UN Secretary-General's Envoy on Technology	United Nations		International organisations
190	Bevil	Wooding	Director of Caribbean Affairs	ARIN	Trinidad and Tobago	International organisations
191	Chengetai	Masango		United Nations Internet Governance Forum Secretariat		International organisations
192	Cleveland	Thomas	Caribbean Region Area Office Representative	ITU	Trinidad and Tobago	International organisations
193	Filippo	Pierozzi	Associate Expert	United Nations, Office of the Envoy on Technology		International organisations
194	Gregory	Smith		UNDP	Trinidad and Tobago	International organisations
195	Kevon	Swift	Head of Public Safety Affairs	LACNIC	Trinidad and Tobago	International organisations
196	Martin	Schaaper	Senior ICT Analyst	ITU		International organisations



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197	Paul	Hector	Advisor for Communication & Information	UNESCO		International organisations
198	Shernon	Osepa	Director, Caribbean Affairs	ISOC		International organisations
199	Zachary	Blackburn	International Regulatory Affairs Manager	Amazon Project Kuiper		International organisations
200	Dominique	H	Support analyst	Flow	Barbados	Internet service providers and other private sector
201	Felicity	Johnson	Consultant Counsel	Cable Bahamas Ltd.	Bahamas	Internet service providers and other private sector
202	Guadalupe	Rey Sumay	Senior specialist in public policy, risk and strategy	Cefeidas Group	Argentina	Internet service providers and other private sector
203	Jamila	De Sormeaux	Strategic Initiatives Manager	Telematiques Global Limited	Trinidad and Tobago	Internet service providers and other private sector
204	Kathleen	Riviere	Director	Northend Advisory Services	Bahamas	Internet service providers and other private sector



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205	Krislin	GoulbourneHarry	Project Manager	EKAPPS	Saint Vincent and the Grenadines	Internet service providers and other private sector
206	Kristebella	Sookdeo		FORTINET	Trinidad and Tobago	Internet service providers and other private sector
207	Lilian	Chamorro Rojas	LACIGF Secretariat Coordinator	LACIGF , Colnodo		Internet service providers and other private sector
208	Akino	Davis	Chief Executive/Lead Consultant	SME Digital	Trinidad and Tobago	Internet service providers and other private sector
209	Andre	Oliver	IT Manager	Williams Industries inc	Barbados	Internet service providers and other private sector
210	Andre	Allard	Owner	Astreamtt	Trinidad and Tobago	Internet service providers and other private sector



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211	Belnando	Weekes	CEO	Quality Performance Systems Inc.	Barbados	Internet service providers and other private sector
212	Brendan	Heyck	Founder & CEO	Brazen Group	Grenada	Internet service providers and other private sector
213	Brian	Carter	Managing Director	Westbury Global, LLC	United States	Internet service providers and other private sector
214	Camraul	Cadogan	ICT Administrator	St. Vincent Building and Loan Association	Saint Vincent and the Grenadines	Internet service providers and other private sector
215	Dean	Lawrence	Director	The RTIP Foundation	United States	Internet service providers and other private sector
216	Elisha	Muwanguzi	Systems Admin	TMT Technologies Ltd	Uganda	Internet service providers and other private sector



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217	Gerry	George	ICT Consultant & Business Solutions Provider	DigiSolv, Inc.	Saint Lucia	Internet service providers and other private sector
218	Haveson	Florvil	CEO	ALPHANET	Haiti	Internet service providers and other private sector
219	IAN	CAMPBELL	ICT Consultant	Caribbean Telecommunications Union	Trinidad and Tobago	Internet service providers and other private sector
220	Javed	Sajad	Attorney at Law	Private Consulting	Trinidad and Tobago	Internet service providers and other private sector
221	Keali	Tubuitamana	ADMINISTRATION SUPERVISOR	INTERNET USER	Fiji	Internet service providers and other private sector
222	Kelon	Jordan	ICT Support Officer	C.A.S.T	Trinidad and Tobago	Internet service providers and other private sector



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223	Kharim	Ames	Senior Software Engineer	Highline	United States	Internet service providers and other private sector
224	Rayshorn	Richardson	General Manager	Eknotec Services	Saint Vincent and the Grenadines	Internet service providers and other private sector
225	Adrian	Dunkley	Founder	Star Apple AI	Jamaica	Internet service providers and other private sector
226	Keeghan	Patrick	Co-CEO	Orbtronics Ltd.	Saint Lucia	Internet service providers and other private sector
227	Leslie	Lee Fook	Director of AI, Automation and Analytics	Incus Services Limited	Trinidad and Tobago	Internet service providers and other private sector
228	Raj	Ramdass	Director	Restore A Sense of I Can	Trinidad and Tobago	Internet service providers and other private sector
229	Shergaun	Roserie	Co-CEO	Orbtronics Ltd.	Saint Lucia	Internet service providers and



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						other private sector
230	Yung-Hsuan	Wu	Researcher	Diplofoundation		Internet service providers and other private sector
231	Xavier	Jhon-Clair	Founder/CEO	XR-Lab.io	Barbados	Internet service providers and other private sector
232	Nate	Davis	Senior Government Affairs Analyst	American Registry for Internet Numbers (ARIN)	United States	Other
233	Nicole	Edwards	Administration Officer	APUA	Antigua and Barbuda	Other
234	Amanda	Gauldin	Community Programs Manager	ARIN	United States	Other
235	Abriana	Cooper	Ambassador	Caribbean Girls Hack	Jamaica	Other
236	Tennille Candes	Ramlal	Co & MLRO	Century Insurance Agency Ltd	Virgin Islands (British)	Other
237	Navya	Ganta	Student	CMR ENGINEERING COLLEGE	India	Other
238	Tamara	Evans	Manager	Colina Financial Advisors Ltd	Bahamas	Other
239	Desi	Cozier	Entrepreneur	Defense	Canada	Other
240	Anuradha	Lachman	Policy and management specialist	Energy authority of Suriname	Suriname	Other
241	Lauralyn	Bynoe	Senior Accounting Manager	First Provider Inc	Barbados	Other



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242	Kent	Mc Namara	Application Manager	Foundation Catholic Education St. Maarten	Sint-Maarten (Dutch)	Other
243	Kymberlie	St. Juste	Civil servant	Government	Saint Lucia	Other
244	Cris	Seecheran	Managing Director	ICT Plus Limited	Trinidad and Tobago	Other
245	Renasha	Cassar	Engineer	Independent	Trinidad and Tobago	Other
246	Nichola	Owen	Digital creator	Independent	Trinidad and Tobago	Other
247	Andrew	Batson	General Manager	MHC Marketing Corporation	Barbados	Other
248	Derwayne	Wills	Digital Media Manager	National Communications Network Inc.	Guyana	Other
249	Divinia	Bryan	None	None	Antigua and Barbuda	Other
250	Audace	Niyonkuru		PNAI		Other
251	Raymond	Roberts	Lead Consultant	Ren Technology Services	Virgin Islands (British)	Other
252	Francisca	Hector	Consultant	Self employed	Trinidad and Tobago	Other
253	Shivam	Teelucksingh	IT Consultant	Teelucksingh's Consultancy Services	Trinidad and Tobago	Other
254	Sandra Juliette	Sealy	Managing Director	TelEgy Consulting Services Inc.	Barbados	Other
255	Jamal	Morgan	Client Services Coordinator	ThompsonBroome Attorneys-at-Law	Barbados	Other
256	Kareem	Hernandez	Stakeholder Relations and Communications Officer	Trinidad and Tobago International Financial Centre	Trinidad and Tobago	Other



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257	Willis	Williams	Former Manager ICT	VINLEC	St. Vincent and the Grenadines	Other
258	Claudio	Peguero	Ambassador		Dominican Republic	Other
259	Simone	Joseph			St. Vincent and the Grenadines	Other
260	Antonia	Coutain	ICT officer	Royal Grenada Police Force	Grenada	Youth in ICT
261	Brunine Einstein	POINTE-JOUR	Bibliothécaire	Ecole Supérieure d'Infotronique d'Haiti	Haiti	Youth in ICT
262	Dunola	Oladapo	Youth Programme Officer	ITU	Switzerland	Youth in ICT
263	Karen	Ramlochan	Teacher	School	Trinidad and Tobago	Youth in ICT
264	Manischa	Adjako	Treasurer	Stichting Sadelo	Suriname	Youth in ICT
265	Naleka	Beckford	Sales support	APUA	Antigua and Barbuda	Youth in ICT
266	Rhoda	Essien	Member	UN YAG Barbados and Eastern Caribbean	Antigua and Barbuda	Youth in ICT
267	Rhonda	Deonarine	Manager	Believe Enterprises	Trinidad and Tobago	Youth in ICT
268	Sahra	Ramdath	Digital Transformation Analyst	Ministry of Digital Transformation	Trinidad and Tobago	Youth in ICT
269	Sugan	Ramdass	Trainer	RSC	Trinidad and Tobago	Youth in ICT
270	Teesha	Mangra-Singh	CEO	One Guyana Agricultural Inc	Guyana	Youth in ICT
271	Tyeisha	Emmanuel	Chair	UN Youth Advisory Group Barbados and the Eastern Caribbean	Anguilla	Youth in ICT

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272	Caron	David			Trinidad and Tobago	Youth in ICT
273	Jael	Goddard		CYIGF Committee		Youth in ICT
274	Jennifer	Yañez	Youth Envoy	Generation Connect ITU		Youth in ICT
275	Stéphanie	Joseph	President	ISOC Haiti	Haiti	Youth in ICT
276	Abder	Gonzalez	Junior Technician	Speednet	Belize	Youth in ICT
277	Amrit	Singh	Tech	RSC	Trinidad and Tobago	Youth in ICT
278	Antonio	Deterville	Assitant Registrar	Sir Arthur Lewis Community College	Saint Lucia	Youth in ICT
279	Che	Hoyte	Student	UWI Cavehill	Barbados	Youth in ICT
280	Dion	Fortune	None	None	Trinidad and Tobago	Youth in ICT
281	Jad	Isidore	Student	University of the Southern	Trinidad and Tobago	Youth in ICT
282	Josiah	Tenia	Student	University of the West Indies	Trinidad and Tobago	Youth in ICT
283	Kevin	Khan	Projects and Data Lead	RSC	Trinidad and Tobago	Youth in ICT
284	Kevvian	Black	Tech Admin	MCA	Saint Vincent and the Grenadines	Youth in ICT
285	Mickael	Walters	IT Technician	Walters Inc.	Trinidad and Tobago	Youth in ICT



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286	Nathaneal	Armstrong	Student	University of the Southern Caribbean	Trinidad and Tobago	Youth in ICT
287	Nicolas	Fiumarelli	Board member	Youth IGF Uruguay	Uruguay	Youth in ICT
288	Okera	Duncan	Associate Professional	Ministry of Digital Transformation	Trinidad and Tobago	Youth in ICT
289	Steffon	Lewis			Trinidad and Tobago	Youth in ICT
290	Tariq	Mohammed		CYIGF Committee	Trinidad and Tobago	Youth in ICT
291	Tyler	Seudath		CYIGF Committee		Youth in ICT

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TTIGF
TRINIDAD AND TOBAGO
INTERNET GOVERNANCE FORUM
2023

JANUARY 26TH & 27TH | 2023 | ONLINE

MEETING REPORT

OVERVIEW

About the Trinidad and Tobago Internet Governance Forum (TTIGF)

The TTIGF was held virtually over 2 days on Thursday 26th and Friday 27th January, 2023. The theme entitled *Creating a Stronger, More Resilient Internet for Trinidad and Tobago's Shared Sustainable Future*, was selected to reflect the current climate in Trinidad and Tobago after being forced into a digital age.

The target audience for the event included:

- Academic Community
- Technical Community/ ICT Civil Society
- Civil Society
- Commercial / Business
- Government
- Students
- All Internet Users.

The IGF is valued as a resource for networking with peers, a forum for sharing information and experiences and “a non-judgmental venue for members to openly discuss their challenges and perspectives.

TTIGF Host

The TTIGF is hosted annually by the Trinidad and Tobago Multistakeholder Advisory Group (TTMAG). TTMAG is an independent entity for the promotion and development of best practice policy standards for the .tt country code Top Level Domain (ccTLD) and the local Internet ecosystem in the interest of the Internet Community. The entity aims to continue the mandate of the United Nations Secretary-General, to:

1. maximize the opportunity for open, inclusive dialogue and the exchange of ideas on Internet governance (IG) related issues;
2. create opportunities to share best practices and experiences;
3. identify emerging issues and bring them to the attention of the relevant bodies and the general public;
4. contribute to capacity building for Internet governance;
5. facilitate inclusive, productive discussions on Internet-related public policy issues from a general perspective, while keeping all stakeholders involved.

Audience and Impact

- Registered Participants- Eventbrite - 374
- Zoom: - 234 attendance on Day 1 & 254 on Day 2
- TTIGF Youtube Live: 214 views on Day & 188 on Day 2
- 26 Speakers
- 5 Partners

AGENDA

DAY 1

- 8:00 – 8:05 National Anthem
- 8:05 – 8:15 Opening Remarks:
Tracy Hackshaw, Chair, *Trinidad and Tobago Multistakeholder Advisory Group (TTMAG)*
- 8:15 – 8:35 Introductory Keynote Addresses:
Paul Mitchell, Chair, *United Nations Internet Governance Forum Multistakeholder Advisory Group*
- Dr. the Honourable Nyan Gadsby-Dolly, Minister of Education, *Ministry of Education*
- Panel Session: *Internet Resilience: Implications for Trinidad and Tobago and the Caribbean*
Moderator: Kim I. Mallalieu (PhD), Senior Lecturer, UWI
- 8:35 – 10:00 *Panelists:*
- Kevin Chege, Director of Internet Development, *Internet Society (ISOC)*
 - Kurleigh Prescod, Executive Officer Technology & Engineering, *Telecommunications Authority of Trinidad and Tobago (TATT)*
 - Brent McIntosh, Chief Technical Officer, *McNet-Solutions*
 - Patrick Hosein, Director, *TTMAG*
 - Rodney Taylor, Secretary General, *Caribbean Telecommunications Union (CTU)*
 - Bevil Wooding, Caribbean Outreach, *American Registry for Internet Numbers (ARIN)*
- 10:00 – 10:15 Break
- 10:15 – 11:45 Panel Session: *Future-proofing ICT in Education*
Moderator: Jacqueline Morris, Director, *TTMAG*

Panelists:

- Dr. Peter Smith, Chief Education Officer, *Ministry of Education*
- Keith Laban, ICT Educator, *Ministry of Education*
- Pt. Shiva Maharaj, Educational Technologist & Founder, Director Chief Operations Officer, *I.C.T. Expertz Ltd.*
- Dev Gosine, Chair-Elect, *TTMAG* & Founder, *WeXL Online*
- Dr. Andrea Kanneh, Manager – Performance and Engagement Digital Skills Unit, *Ministry of Digital Transformation*
- Dr. Keith Nurse, President, *College of Science, Technology and Applied Arts of Trinidad and Tobago (COSTAATT)*

End of Day 1

DAY 2

- 8:20 – Opening Remarks:
8:30 Tracy Hackshaw, Chair, *TTMAG*

Panel Session: Digital Government Society: *Digital Acceptance, Transformation and Acceleration for T&T*
Moderator: Ken Sooknanan, Director, *TTMAG*

- 8:30 – Panelists:
10:00
- Wendell Mitchell, National Chief Digital Officer, *Ministry of Digital Transformation*
 - Lequanne Collins-Bacchus, Senior Advisor, *Treasury Board of Canada Secretariat*
 - Ravi Sankar – Partner, Head of Cyber and Technology Consulting, *KPMG Caricom*

- 10:00 – Break
10:10

Panel Session: *The A.R.T of Cybersecurity: Attacks, Risks, and Threats*
Moderator: Ajmal Nazir, Director, *TTMAG*

- 10:10 – Panelists:
11:40
- Vince Stewart, Director, *CyberEye Caribbean*
 - Ricardo Martinez, Chief Revenue Officer, *DigitalEra Group*
 - Anthony Peyson, President, *International Information System Security Certification*

Consortium's Caribbean Chapter ((ICS) Caribbean Chapter)

– Emmanuel A. Oscar, Caribbean Systems Engineering Manager, *Fortinet*

11:40 – LACNIC Panel Sum-up & Regional Cybersecurity Culture Insight

11:50 Kevon Swift, Head of Public Safety Affairs, *LACNIC*

11:50 – Open Forum
12:50

12:50 – Closing Address

1:00 Dev Gosine, Chair-Elect, *TTMAG*

DAY ONE

OPENING REMARKS

Tracy Hackshaw, Chair, Trinidad and Tobago Multistakeholder Advisory Group (TTMAG)



The 7th TTIGF was opened by Mr. Tracy Hackshaw, TTMAG Chair. As a small island developing state, Trinidad and Tobago is compounded by vulnerability, global economic shocks, and the impacts of global climate emergencies. The Internet based global economy is thus a critical element to face these challenges. Meaningful and affordable access and connectivity, along with equitable digital inclusion must be a top priority.

Mr. Hackshaw made mention of the United Nations Report entitled *Our Common Agenda* which was released in September 2021 and which proposes a digital cooperation track that is to be agreed upon by all stakeholders. He used the opportunity to request input into this Report both online and during the Open Forum segment of the TTIGF.

Paul Mitchell, Chair, United Nations Internet Governance Forum Multistakeholder Advisory Group



Mr. Mitchell recalled the UN IGF which was held in Ethiopia in November 2022 and involved over 4000 participants from across the world. He noted that the UN system is increasingly leaning into technology and that the IGF is more relevant than ever. The themes selected at the IGF reflect the goal of aligning the IGF with the work of other UN agencies.

The IGF is a hallmark to find common ground and involve all stakeholders in the process. It has evolved and expanded to include 152 national, regional and sub-regional IGFs, including the TTIGF.

Key messages from the recent global IGF must be turned into work items and lead to change. Some of the key messages are as follows:

- There is a contained challenge of the digital divide and we need to ensure meaningful access which includes but is not limited to accessibility, affordability, content, and digital literacy;
- There is the risk of fragmentation. We need to reassert the value of an open and connected internet to achieve the sustainable development goals (SDGs);
- We need to enable safety, stability and accountability. Cybersecurity continues to be a critical concern and there must be collaboration amongst all stakeholders to serve the needs of users.

Dr. the Honourable Nyan Gadsby-Dolly, Minister of Education, Ministry of Education



Dr. Gadsby-Dolly began by commending the multistakeholder effort of the TTIGF, stating that initiatives such as these help us learn and develop shared solutions.

The Minister stated that education institutions must harness the full potential of technology in order to equip present and future generations with the skills needed to fulfil their potential as global citizens. As a result, the Ministry of Education's strategic approach to futureproof ICT encompasses investment in systems development, training, hardware, software and human resources. Teachers are fundamental to this transformative process, which means that their terms and conditions of employment must be updated to include a digital mode of operation.

Future Proofing ICT in education means that we must put children first. IT skills must be included into the education curriculum to ensure that students receive the full benefit of the technology available to them. This by no means is easy as it entails activities such as the training of 13,000 teachers and equipping them with devices, the incorporation of digital strategy into the curriculum for over 250,000 students and the digitalization of student and teacher records.

PANEL SESSION 1: INTERNET RESILIENCE: IMPLICATIONS FOR TRINIDAD AND TOBAGO AND THE CARIBBEAN



Moderator: Kim Mallalieu, Senior Lecturer, University of the West Indies, St. Augustine Campus

Panelists:

- Kevin Chege, Director of Internet Development, Internet Society;
- Kurleigh Prescod, Executive Officer Technology & Engineering, Telecommunications Authority of Trinidad and Tobago (TATT);
- Brent McIntosh, Chief Technical Officer, McNet-Solution;
- Patrick Hosein, Director, TTMAg;
- Rodney Taylor, Secretary General, Caribbean Telecommunications Union (CTU);
- Bevil Wooding, Caribbean Outreach, American Registry for Internet Numbers (ARIN).

Overview:

This session explored various dimensions of building internet resilience in Trinidad and Tobago as well as the Caribbean at large. It kicked off with insights from the Regional Internet Registry for Africa (AFRINIC) / ISOC project, *Measuring Internet Resilience in Africa (MIRA)*. It then focused on the role of regulators and Internet exchange points (IXPs) in Internet resilience: the former drawn from the Trinidad and Tobago country case, and the latter from multiple country experiences around the Caribbean. A strategy, and associated platform, to monitor and fill gaps in traditional DNS mappings, was offered as an example of low-resource complementary resilience building strategies. Perspectives on mechanisms to develop and operationalize a regional framework for internet resilience were shared; as are other recommendations to bolster Internet resilience in the Caribbean. The session comprised a series of lightning presentations followed by discussions prompted by participants; closing off with a capstone question posed to panellists.

The key points from the presentations and discussions are captured below.

Kim Mallalieu (Introduction)

- The internet is a foundation for much of the critical infrastructure on which countries around the world rely.
- Internet resilience is the ability to maintain an acceptable level of service in the event of an outage or during a crisis.

Kevin Chege

- An Internet Resilience Index (IRI) was derived from four pillars considered necessary for a robust Internet ecosystem - infrastructure, performance, enabling technologies and security and the local ecosystem and market readiness.
- The four pillars are weighted equally when measuring the IRI and the IRI is modular.
- Metrics vary per person or region.
- A private measurement platform is simple to establish but challenging to maintain.

Kurleigh Prescod:

- Trinidad and Tobago's regulator has a legal mandate that is outlined in the Telecommunications Act.
- Concessions are issued to operators by the regulator and speak to quality of service, service interruptions and internet access and services.
- Measurement of standards of internet experience used by the regulator include the user experience (download speeds, upload speeds, latency, fault repair time, availability) and network performance (standby power runtime, grounding, lightning protection, minimum capacity for core links, prioritization of critical traffic, building codes).
- The regulatory framework to support internet resilience include establishment and monitoring of standards, licensing of sustainable competition, diversity of critical infrastructure, 5G regulatory collaboration.

Brent McIntosh:

- Redundancy supports resilience.
- One way to measure how well a country is performing is to see how it accesses services from its local ISPs.
- IXPs are important in building resilience.
- There is a need to promote hosting of local content and peering, to continue to partner with key content delivery networks (CDNs) to bring key content closer to end users and increase stakeholder and member base.

Patrick Hosein:

- Patrick presented a scenario of a potential issue with DNS resilience for SIDS though the example of a problem.
 - o The problem: suppose T&T becomes isolated from the Internet and mapping functions may not be possible.

- Proposed solution: maintain a cache of all mappings that point to machines within T&T with ISP assistance. IXP/ISP can deploy on a periodic basis, the running of scripts to extract mappings to local machines and store the mappings. The proposed solution does not significantly affect operations and resources and sites that are not captured can be manually entered.

Rodney Taylor:

- The Caribbean IGF (CIGF) remains the most effective mechanism for harmonization.
- The CIGF Policy Framework includes infrastructure for broadband connectivity, Internet technical infrastructure and operations management, legal framework and enforcement, internet content development and management, public awareness and capacity building and research.
- The Caribbean Internet Resilience Task Force is a possible framework to operationalize internet resilience in the region. It is proposed to be multistakeholder in nature, provide updates to the CIGF and supported by the CTU Secretariat.

Bevil Wooding:

- When examining regional resilience, we should look at it from an ecosystem perspective. This means looking at the entire system of networks, devices, stakeholders and services.
- A regional framework provides a mechanism to develop tailored policies and procedures, and allow for sharing of information and best practices across countries. It can allow for better responses for cross border incidents and facilitate rapid coordinated responses across countries.
- All stakeholders should be involved in the development of such a framework.
- Development of a framework for resilience requires an assessment of the internet ecosystem within the region, the creation of a plan of action that identifies vulnerabilities and risk as well as areas for investment and development, and a continuous monitoring mechanism.
- *We need to act.*

General Comments

Albert Daniels (ICANN): One of the best ways to get access to resources is to participate in meetings.

Question: How can Starlink play a role and what is its status in T&T?

Kurleigh Prescod: Diversifying critical infrastructure and licensing of sustainable competition are factors to consider. Starlink satellites are nearing global coverage and satellites play a critical role as they are not impacted by terrestrial factors. An application for a concession was received by TATT and the final part of the approval process is in progress.

Question: How do we convince organizations to peer with the local IXP?

Rodney Taylor: CTU facilitated discussions at the regional level for issues such as a reduction in roaming charges, and discussions between operators and Over the Top (OTT) providers on how to work together.

PANEL SESSION 2: FUTURE-PROOFING ICT IN EDUCATION



Welcome & Introductions

Moderator – Jacqueline Morris, Director, TT MAG

Panelists:

1. Dr. Peter Smith, Chief Education Officer, Ministry of Education;
2. Keith Laban, ICT Educator, Ministry of Education;
3. Pt. Shiva Maharaj, Educational Technologist & Founder, Director Chief Operations Officer, I.C.T. Expertz Ltd.;
4. Dev Gosine, Chair-Elect, TT MAG & Founder, WeXL Online;
5. Andrea Kanneh, Manager – Performance and Engagement Digital Skills Unit, Ministry of Digital Transformation (MDT);
6. Keith Nurse, President, College of Science, Technology and Applied Arts of Trinidad and Tobago (COSTAATT).

Overview:

The Covid-19 pandemic ushered in the need for educators and students to utilize ICT for online classroom interaction. While this was the state of play, one of the major issues at hand which was never formally addressed was the need to retool our educators in the effective and efficient use of ICT in the classroom, thereby overcoming their phobias to the use of this technology. As protective measures relaxed and both educators and students returned to the classroom, so too did the enthusiasm of both educators and policymakers to utilize ICT in the delivery of the curriculum. Future-Proofing ICT in education has many benefits both for the educator and the student. Some of these may include but are not limited to:

1. The efficient and effective use of instructional time;
2. Classroom management and control;

3. Individualized interaction with students;
4. Instructions targeting multiple intelligence;
5. The modality of delivery is attractive and engaging to students;
6. Affords students the ability to easily access information/content missed;
7. Students are able to be more participatory; and
8. Formative and summative assessments of students can be more effective.

Given that the benefits are many and the effort to utilize ICT has started, sustainability by educators and policymakers to this enthusiasm is critical despite present demands. This panel therefore, addressed the vehicles that can be employed to effectively future-proof ICT in education.

The key points from the discussions are captured below.

Jacqueline Morris (Introduction)

- During the pandemic, there was a need to use ICT for education. Where do we go now as the pandemic restrictions have been lifted?

Keith Nurse:

- The pandemic had a huge impact on how we dealt with education.
- We should be talking about digital technologies in the broadest way and how ICT is utilized outside the classroom in an educational context. This includes the Internet of Things (IoT), social media, virtual reality and so on.
- Digital transformation enables curated and customized learning experiences and environments that are adaptive to technological change and stakeholder interests.
- Digital transformation facilitates improved teaching, learning and education through online, hybrid and experimental training such as eLearning on demand, Artificial Intelligence (AI) teaching assistants and MakerSpaces for learning-by-doing.
- Digital transformation employs technologies and data management services to improve institutional operations and consultancy, particularly for tertiary level educational institutions.
- Can we use digital technologies to produce country relevant content and possibly export this content to other states?

Question: Is it fair to judge ICT enabled education by what happened in the pandemic?

Keith Nurse: Most of what was offered in the pandemic was based on an emergency situation. Students have now come to appreciate the value of online education. It offers learning on demand and can be viewed multiple times. Face-to-face teaching is effective in a workshop setting where there is learning by doing.

Dev Gosine: With the sudden closure of schools in March 2020, there was a lack of rules or directives to educators as to how to educate students online.

Keith Laban: A UNESCO teaching competency training for teachers was conducted pre-pandemic for selected persons. Teachers who were not exposed to such training were at a disadvantage and may have had negative feedback given their lack of preparedness. We needed our human resources to be prepared.

Shiva Maharaj: there is a need for training in the use of digital teaching tools, to make classes more engaging for students.

Andrea Kanneh: The MDT has a focus on the digital society as one of three pillars. In order to develop digital skills, the MDT is working with institutions to build capacity, not just for schools but for citizens in general. Enhancing the skills of developers is also a focus so that persons can create content, and design solutions for the country.

Question: Are there benefits to the various ways of online learning as opposed to face-to-face?

Shiva Maharaj: Technology is constantly evolving. We have to find ways to embed such training into the education system. This training needs to start from an early age in order to have digitally competent citizens.

Dev Gosine: One of the roles of traditional schools is to create passion to learn as educators are not the repository of all information. *We are not smarter than the Internet.* We need to infuse the passion in students to want to learn to use the available tools. Learning can take place anywhere and anytime.

Question: Is there a need for teacher education?

Keith Laban: Many teachers were hesitant to use online tools. We need teacher education on different models such as project based learning. These tools can make learning more exciting for students.

Andrea Kanneh: The MDT has access centres where members of the public can go in and there will be assistance on how to access information and use it. This allows persons to be better able to support their families.

Presentation from Peter Smith

- The sudden shift to online highlighted opportunities and challenges in education in T&T.
- Technology is rapidly advancing. It is therefore crucial to invest in ICT to ensure students are prepared for workforce by doing the following:
 - Bridging the digital divide by providing devices and access to students who do not have resources. Public private partnerships and subsidies are way to help achieve this;
 - Providing teachers with training and support;
 - Investing in infrastructure and support including high-speed internet, upgrading hardware and software and technical support for teachers and students;
 - Placing emphasis on digital literacy to empower teachers, parents and users to be able to use technology effectively; and
 - Addressing cybersecurity by ensuring security and privacy of student data, and educating students on safe and responsible online behaviour. Policies and protocols are needed in this regard.

Question: What is your preferred vision for education and training in T&T?

Andrea Kanneh: We need to have young students using basic programming languages from the start.

Shiva Maharaj: The goal of education should be teaching skills for lifelong learning. The lack of infrastructure is not to blame as 20 years ago we found ways to get kids online by downloading caches etc. A well-trained educator would be able to use whatever resources they have in order to meet the needs of their students.

Keith Laban: Infrastructure is critical. No matter how good the training is, you will reach the point where you need some form of infrastructure. A lack of infrastructure dissuades teachers.

Dev Gosine: The geography of T&T does not always allow everyone the same level of connectivity. There was a need for ISPs to create plans tailored for students.

Question - The use of AI and Chat GPT: if AI can do the work, then why should I?

Keith Laban: The AI revolution is here. Students are using the tools and AI is heading in a direction of possibly replacing higher-level jobs such as programming. We need to know how to use these tools as well as the tools which can counteract certain AI programmes.

Shiva Maharaj: We need to educate children on AI and IOT, actuators and sensors from a very early stage.

Question: Why do we think there is parental pushback on the use of technology?

Shiva Maharaj: Knowledge, aptitude and attitude has to go with the skill to make a person competent. How many parents know about parental controls and use them?

Dev Gosine: We need to make stakeholders part of the decision making process so that buy in will be easier.

Question: How would cybersecurity be addressed in a digital society?

Andrea Kanneh: the MDT is conducting training on security and promoting education and awareness from all stakeholders, especially parents.

Dev Gosine: infrastructure is needed for security.

Question: What are we doing about the issue of digital skills in the country? What is happening now?

Andrea Kanneh: The MDT has partnerships with organizations such as the Youth Training and Employment Partnership Programme. The Ministry is also creating a learning management portal and there are access centres to assist persons with access and use of ICT.

Shiva Maharaj: There are resources tailored to teaching digital skills.

DAY TWO

PANEL SESSION 3: DIGITAL GOVERNMENT / SOCIETY: DIGITAL ACCEPTANCE, TRANSFORMATION AND ACCELERATION FOR T&T



Welcome and Introductions

Moderator: Dr. Ken Sooknanan, Director, TT MAG

Panelists

- Wendell Mitchell, National Chief Digital Officer, Ministry of Digital Transformation;
- Lequanne Collins-Bacchus, Senior Advisor, Treasury Board of Canada Secretariat; and
- Ravi Sankar, Partner, Head of Cyber and Technology Consulting, KPMG CARICOM.

Overview

Technology is here to stay, so we might as well openly accept and implement it into our daily routines. Not only for leisure, but for our careers, businesses, and personal life commitments.

How do we implement Digital Transformation to serve all classes of society? Have the needs of the poor and less fortunate citizens of our country been considered by our Digital Transformation planners. How do we prepare them for this change and mind-set shift. Infrastructure for digitization is the key element for its success. What is the percentage readiness of T&T? As we have certain parts of our country without basic utilities (electricity and water); internet connectivity is fast becoming a basic utility and an absolute necessity.

The Government of the Republic of T&T has indicated that the country is on a digital transformation journey. Citizens are asking for technology solutions to problems like traffic, government service

delivery, work from home, education, and crime (including cyber security). What does a technology-enabled future in our country look like? The digitization of Government and Society will positively affect the lives of citizens and the Economy in Trinidad and Tobago.

This panel sought to address the aforementioned questions. The key points are summarised below.

Ken Sooknanan (Introduction)

- Digital transformation is defined as the process of using digital technologies to improve existing processes.
- Digital Government is defined as the use of digital technologies in an integrated part of government modernization strategies.

Lequanne Collins-Bacchus

- We need to put people first within the government context of digital transformation.
- The language used to communicate with people is important. We need to ensure people are able to understand what is being shared.
- Ontario, Canada has a *Digital Service Standard* which is updated annually and is a guidebook on how to design platforms, measure performance, are accessible and so on.
- Laws, policies and guidelines have to reflect a digital first approach to service delivery.
- We have to align key elements for better ways of working on digital initiatives within government by developing principles for working on digital projects, building and enabling multidisciplinary teams within skills sectors, supporting digital talent, and incorporating privacy and accountability within designs.

Ravi Sankar

- The development of digital technology offers great potential to address the most relentless challenges facing the Caribbean such as lack of trust, low productivity and persistent inequality. Covid-19 has accelerated this journey which started decades ago.
- Corporate culture, organizational models and processes need to change to enable institutions to meet the needs of citizens in an efficient, secure and transparent manner. How do we improve the lives of citizens of our jurisdictions?
- It is critical that governments take a holistic approach. We need to benefit from economies of scale.
- We need to get the right legislation. Technology moves faster than legislation.
- Reskilling citizens to take advantage of new technologies is necessary.
- Once we put the improvement of our citizens' lives at the forefront of this transformation, we can truly realize the benefits of this technological journey.

Wendell Mitchell

- Technology is not of any use unless we transform our mindset.
- The MDT's *Roadmap for Economic Recovery* includes building a digital nation, institutional capacity, creating an environment of harmony and inclusiveness, and expanding the scope and focus of social protection programmes.

- The MDT's Mandate is: *"A new way to address the end-to-end consumption and delivery of goods and services to customers using appropriate digital technology"*.
- The MDT's Work Programme therefore, focuses on a digital society, digital economy and digital government.
- To enable a digital society, the MDT has undertaken projects to promote digital literacy, access tools and devices and access the Internet.
- To become digital we need to have online customers, digital collaboration and digital services.
- An E-Identity solution is in the works to create a universal ID that uniquely distinguishes persons or organisations. It will eliminate the use for multiple government ID's and allow access to online services. It can be used for authentication and digital signatures.

Question: Is data analytics and AI useful for digital government and society?

Ravi Sankar: Data is useful but it depends on how good the data is. Good data will assist in knowing where to apply limited resources.

Lequanne Collins-Bacchus: We need to have a healthy approach to data and an understanding that standards can enable good quality.

Question: Is security in digital transformation necessary?

Ravi Sankar: Security is absolutely necessary and it is everyone's business, not just for the persons providing the technology. Technology evolves but if we get the basics right where everyone is responsible and if we train persons, then we can help ensure a secure environment.

Lequanne Collins-Bacchus: Literacy is important so persons are aware of scams and fraudulent activity and can be alert.

Wendell Mitchell: There are two types of persons in this world – those who have been hacked and those who don't know they have been hacked. Cybersecurity is essential.

Question: What are the advantages of having cloud computing and storage?

Lequanne Collins-Bacchus: You can access information from anywhere and when the information is standardized benefits can be greater.

Ravi Sankar: From a citizenship perspective, we have a challenge of data centres and data sovereignty in the Caribbean so some of the benefits of the cloud are lost. Most places and most countries are working in a hybrid environment.

Wendell Mitchell: Hybrid cloud is the way to go as you want flexibility, low cost services, perhaps seasonal services and sovereignty and continuity.

Question: How important is the customer experience in digital government and society?

Lequanne Collins-Bacchus: This is most important as we need to provide an opportunity for users to set standards at all stages of development to know what will engage the users.

Wendell Mitchell: We have been utilizing some platforms to allow the engaging of citizens and incorporating feedback. There is the need to incorporate continuous improvement but there is a balance to be met as not all needs can be addressed for everyone.

Ravi Sankar: We need to consider the ageing population to ensure they do not get lost in this transformation.

Wendell Mitchell: Digital advocacy is being promoted by the MDT via access centres to get support for access of services or device setup. We need to start teaching kids how to programme.

Question: There appears to be employee resistance to change. How do we solve the gap?

Wendell Mitchell: You have to design with the customer in mind. Technical capability is not necessarily the major issue, it is trust. Persons may feel the government is spying on you. On the employee side, we have to implement on a phased basis and create creative tension. There is also a need for legislative change.

Question: Is the data protection for citizens' personal information adequate?

Lequanne Collins-Bacchus: In Canada, the laws were too stringent so there was a need to review and enable balance. What kind of data do we want to protect?

Question: What does a technology enabled future in our country look like?

Ravi Sankar: Legislation needs to be in place to protect users and ensure infrastructure is in place. It all ties back to transparency as well. It can make our lives easier so there are many benefits.

Question: Is it beneficial for a country to develop collaboration with other countries?

Wendell Mitchell: There are initiatives through the ITU and CTU on standards, interoperability, consolidating data centres and so on which are of value.

Question: Do we know as a society, what our core business is? Do we have systems that prioritize digital governance?

Wendell Mitchell: We don't as yet as this requires Memorandum of Understandings (MOU's) with each Ministry. Key Ministries have been identified to create priority end-to-end digital services.

PANEL SESSION 4: THE A.R.T. OF CYBERSECURITY: ATTACKS, RISKS, AND THREATS



Welcome & Introductions

Moderator - Ajmal Nazir, Director, TTMAG

Panelists:

1. Vincent Stewart, Director, CyberEye Caribbean;
2. Ricardo Martinez, Chief Revenue Officer, DigitalEra Group;
3. Anthony Peyson, President, International Information System Security Certification Consortium's Caribbean Chapter ((ICS)2 Caribbean Chapter); and
4. Emmanuel A. Oscar, Caribbean Systems Engineering Manager, Fortinet Corporation.

Overview

Cybersecurity is an increasingly important concern for individuals and organizations alike. With the proliferation of the internet and the increasing reliance on technology, it is more important than ever to be aware of the potential risks and threats that can compromise your security online. One of the main challenges in maintaining cybersecurity is the constantly evolving nature of the threats. New vulnerabilities and exploits are discovered on a daily basis, and hackers are always finding new ways to bypass security measures. This means that even if you have taken steps to secure your systems and devices, there is still a chance that you could be at risk.

To address this issue, it is important for organizations to have a proactive approach to cybersecurity. This means investing in the necessary personnel and tools to monitor and respond to potential threats. This can include hiring trained cybersecurity professionals, implementing robust security software, and establishing clear policies and procedures for responding to potential attacks.

Individuals also have a role to play in maintaining cybersecurity. By being aware of the potential risks and taking steps to protect yourself, you can significantly reduce the chances of falling victim to a cyberattack. This can include using strong passwords, being cautious about the websites you visit and the emails you open, and keeping your systems and devices up to date with the latest security patches.

Another important aspect of cybersecurity is cyber-awareness. This refers to the general understanding of the risks and potential threats of a cyberattack, and the measures that can be taken to protect against them. By educating yourself and others about these issues, you can create a more secure and resilient internet for everyone.

There are a number of organizations and resources available to help individuals and organizations stay up to date on cybersecurity issues. These can include government agencies, industry associations, and non-profit organizations that provide guidance on best practices and the latest threats.

In summary, being fully secure online is not a guarantee, as new threats are constantly emerging. However, by being aware of the risks and taking proactive steps to protect yourself and your organization, you can significantly reduce the chances of falling victim to a cyberattack. Cyber-awareness is an important part of creating a stronger and more resilient internet for all.

The key points from this panel are captured below.

Ajmal Nazir (Introduction)

- There are two types of companies – those that have been hacked and those that will be hacked.
- With the increasing reliance on technology, the need for cybersecurity has never been greater.
- Cybersecurity is not just protecting against threats but it is about innovation and development.

Question: The delivery/mail organizations appear to be targets of recent ransomware attacks. What do panellists recommend to postal operators in SIDS to better prepare themselves, and what role does the government have in handling incidents and beyond the Data Protection Act?

Ricardo Martinez

- Contingencies are important in preparedness. There is a need for an incident response plan and this is an area of deficiency. Being able to react quickly is crucial.
- Public relations is part of an incident response plan.

Vincent Stewart: Organisations need to know what their network configurations look like. They need to have updated operating systems, updated anti-virus software, workforce education and awareness, passwords and updates.

Emmanuel A. Oscar: There is sometimes a lapse in terms of business continuity and recovery. Many business continuity plans do not contain incident response or have an incident command structure. Business continuity and response plans should be tested.

Anthony Peyson

- Organisations need to understand what their critical processes are and how they relate to the goods and services offered.
- A business impact assessment can help determine this and it will feed into the incident response and protection.
- How long can your organisation go without offering its products before it fails?

Audience question: What are some of the countries in the Caribbean that have been making the most progress in this area from Fortinet's point of view?

Emmanuel A. Oscar: The Organization of American States (OAS) Report on the *State of Cybersecurity in Latin America and the Caribbean* is helpful in providing this snapshot. There is an overall movement or awareness of cybersecurity in the region.

Question: How do we deal with the lack of experience and knowledge?

Anthony Peyson

- The demand for cybersecurity resources keeps increasing as we are in an information driven world.
- The threat landscape would evolve with the changing times. The systems that we have all gather information on us. We have smart health devices, vehicles and appliances that now have personal data and come with vulnerabilities.
- We do not value our information as much as we should.
- We need to have resources that will counter threats and we do not have enough experts who can assist in this regard. We have to now find the right human resources and train them.

Ricardo Martinez

- Partnerships with organizations that understand cybersecurity are important. Partnerships around education are also important.
- Cybersecurity exposure is needed in terms of education and training.

Vincent Stewart

- We have done a poor job educating the workforce on how to conduct business in the digital age.
- We have done a terrible job at educating our C suite. We cannot speak to them in technical terms; it needs to be communicated in a way they can understand. Organisations must be cybersecurity driven from the top down.

Emmanuel A. Oscar: The shortage of trained people continues to be a challenge. Fortinet intends to train over 1 million persons in cybersecurity.

Question: Incidents of identity theft appear to be low in the region. Could this be a factor which impacts cybersecurity response by organisations in the region?

Anthony Peyson: Caribbean culture is loyal to local suppliers and we are very forgiving. There is not enough awareness on the value of personal information. Therefore, there is not much reputational damage if there is an adverse event.

Ricardo Martinez

- Market impact is felt less due to a lack of competition.
- US laws dictate that companies have to disclose when they have a cyber attack so incidents are more likely to be shared in the media and raise concerns.
- Awareness has to come from pressure and penalties, as companies need an extra push to improve security and data privacy.

Vincent Stewart

- *Your best firewall is an educated workforce*
- Having someone's phone number is a good start to getting their information
- How do you make people aware of threats without scaring them away from technology?

Emmanuel A. Oscar

- How do we educate people? Sometimes people do not take it seriously until it happens. The message needs to change as we are all part of the digital threat landscape.
- Cyber threats impact the way we work and live and governments need to step up to ensure citizens are protected.

Question: GDPR puts fines on companies should they fail to protect personal information. Should we in T&T be looking at something similar, not just for data privacy but also for downtime of critical infrastructure?

Emmanuel A. Oscar: Critical infrastructure is acute to a nation's survival. There needs to be accountability if services go down

Vincent Stewart: Unless there are consequences for failure to act and hold organisations accountable, then they will keep doing the bare minimum with respect to cybersecurity.

Ricardo Martinez

- We need legislation to protect against attacks.
- Cyber insurance is prevalent in the US as well as insurance for business continuity. Cyber insurance is a way for companies to do the minimum but some insurance providers require certain measures in place in order to provide coverage.

Anthony Peyson

- If organisations are not provided with policies then they will do the bare minimum. A legislative framework is required with enforcement and consequences.
- *Compliance drives proper governance.*

Question: What is one strategy that would push T&T or the region forward in terms of cybersecurity?

Emmanuel A. Oscar: Cybersecurity resilience needs to be pushed. The Board, security managers and all levels of workers need to understand their role.

Ricardo Martinez: Having a baseline understanding of what your situation is important. A security assessment should therefore be undertaken to understand what mitigating tools are in place and what needs improvement.

Vincent Stewart

- The best firewall is an educated workforce.
- We must have a plan and exercise that plan.
- We need to share and collaborate in order to solve challenges .

Anthony Peyson: Accountability from the public and private sectors require compliance and a legislative framework. Once we have this, then there would be a change in culture.

LACNIC PANEL SUM-UP & REGIONAL CYBERSECURITY CULTURE INSIGHT

Presented by: Kevon Swift, Head of Public Safety Affairs, LACNIC



- LACNIC is one of the five (5) regional registries and participates in spaces that deal with cybersecurity.
- A culture of cybersecurity has to do with having the right tools, protocols and measures to protect against and mitigate cyber attacks. The end goal is not just security but defence, resilience and trust and confidence in systems from a user's perspective.
- There is a maturing and industrialised cybercriminal environment. Online child sexual exploitation and abuse is ranked third among the top ten crimes in the Americas according to Interpol.
- Cybercrime and cyber insecurity remain within the top ten global risks for long term outlooks according to the *World Economic Forum Global Risk Report 2023*.
- The lack of preparedness and lack of harmonised cybercrime laws across the region is a challenge.
- According to IBM, human error is responsible for 95% of data breaches.
- There are opportunities from initiatives such as the Global Forum on Cyber Expertise, LAC4, the Cybercrime Atlas, the US International Counter Ransomware Initiative, Second Additional Protocol to the Budapest Convention.

OPEN FORUM



Moderators: Dev Anand Teelucksingh, Director, TTMAg and Tracy Hackshaw, Chair, TTMAg

The Open Forum was used to discuss specific issues facing T&T. Dev Anand informed that on the igf.tt website, there are forms to provide feedback on the following policies:

- Telecommunications Authority of Trinidad and Tobago Framework on Net Neutrality;
- Telecommunications Authority of Trinidad and Tobago Framework on Over the Top (OTT) Services; and
- The United Nations Global Digital Compact.

Framework on Net Neutrality in Trinidad and Tobago

Net neutrality is the principle that the ISP has to provide access to all sites, content and applications at the same speed, under the same conditions without blocking or giving preference to any content. Feedback was sought on the paper, including some of the key statements relating to traffic management definition and principles and notifications.

The following questions were posed for comments and discussion:

- a) Is 30 days sufficient notice for ISPs to notify the Authority of changes to be made to its traffic management policies prior to its implementation?
- b) In the event of an emergency, when the ISP has changed its traffic management policy, is the notice to the Authority within 7 days after the change sufficient?
- c) Is 7 days sufficient notice to customers of changes to its traffic management policies?
- d) Should ISPs log their traffic management practices and measures for a period longer than 12 months?
- e) Should the Authority notify the public if it has reasons to believe that an ISP's traffic management policy, practice or measure is unreasonable?
- f) Should the Authority notify the public if it has reasons to believe that an ISP's agreement, network or commercial practice constitutes unreasonable discrimination?
- g) Should the disclosure of ISP's information on the technical and commercial conditions of the service, including information on its traffic management policies, performance characteristics, and commercial terms and conditions also be posted on the Authority's website?
- h) Should the Authority notify the public if it has reasons to believe that an ISP has failed to meet its transparency requirements when it notifies the ISP in writing?
- i) Is the ISP's 30 day prior notice of its plan to zero rate specific content to the Authority, sufficient?
- j) Should the Authority publish a notice on its website of an ISP's plan to zero rate content?
- k) Should the Authority notify the public that it has notified an ISP that it believes an ISP's zero rated plan is anti-competitive or constitutes an unfair commercial practice?
- l) Should the Authority notify the public that it has notified an ISP that it believes an ISP's conditional paid-prioritisation agreement is anti-competitive or constitutes an unfair commercial practice?

Discussion Points

- The Trinidad and Tobago Computer Society had discussions on this paper and was of the view that the ISP needs to inform the telecoms authority in advance so it should be greater than 30 days and 7 days. An example of a change to traffic management policy can be a reduction in bandwidth for streaming services.
- From the ISP perspective, traffic management is done on a dynamic basis. For instance, in the event of an outage, this is an unplanned event and the ISP would not have 30 days to notify of changes.
- What qualifies as an emergency? This needs to be defined and ISPs need to have provisions as to what will happen in the event of an emergency.
- The Authority should notify the public if it has reasons to believe that an ISP's traffic management policy is unreasonable.
- Would fair usage be included in a traffic management policy?
- If the Authority has determined that the ISP is contravening a policy then should it be disclosed to the public?

- Can the Authority utilise provisions to push back on something such as censorship of specific content? There is a provision for lawful content so the Authority can direct ISPs to take specific action.
Can the ISPs take such action themselves?
- What would address unfair usage, data caps, throttling and so on? Unlimited data in Trinidad and Tobago is not unlimited.
- Has zero rating been done without TATT's approval thus far? ISPs took unilateral action to zero rate certain sites during Covid-19.

Framework on Over the Top Services in Trinidad and Tobago

The following questions were shared:

- a) Should the Telecommunications Act and other legislative frameworks be amended to incorporate OTTs which will clarify the Authority's remit over any entity providing OTTs?
- b) Should OTT be regulated to comply with the Trinidad and Tobago constitution and the [National Broadcast Policy](#)?
- c) Should OTTs be required to fund local telecommunications infrastructure in Trinidad and Tobago?
- d) Should OTT be required to have a quota on share of local content, for example requiring OTTs to have a specific percentage of local content be made available on OTT catalogue of programmes?
- e) Should OTTs have obligations to operate in T&T to directly invest in local content initiatives?
- f) Should OTTs have obligations to pay via levies or OTT investment to a local content fund?

Discussion Points:

- If it competes with traditional telecoms services then it is a concern. Is this a realistic statement?
- Do you think the definition of OTTs is fair and should it be regulated?
- ISPs will then be gatekeepers based on the proposed framework.
- The framework implies that the regulator should be regulating overseas services.
- With respect to on demand content from services such as YouTube, can we enforce provisions?
- If it is so onerous to operate in T&T which is a small market, then why would OTTs continue to provide services?
- *The Declaration of St George's Towards the Reduction of Intra CARICOM Roaming Charges* has two action areas how can we harmonise regulatory frameworks and how can we address the impact of OTTs on the business of operators in the region.

The United Nations Global Digital Compact

The UN has established a strategy for going beyond, entitled Our Common Agenda and the Global Digital Compact (GDC) is the digital component of this. TTMag and TTIGF have taken it upon themselves to have a consultation on this issue. The form produced is an adaptation of the UN's form and can be used to respond to the issues being addressed by the GDC.

There are seven areas of the Global Digital Compact mentioned in the [Secretary-General's Common Agenda](#) on which persons were invited to submit inputs. The seven areas are:

1. Connect all people to the internet, including all schools
2. Avoid internet fragmentation
3. Protect data
4. Apply human rights online
5. Accountability for discrimination and misleading content
6. Regulation of artificial intelligence
7. Digital commons as a global public good

For each area, it was requested that views and inputs should be organized along the following two aspects:

- a) Core principles that all governments, companies, civil society organisations and other stakeholders should adhere to;
- b) Key commitments, pledges, or actions that in your view should be taken by different stakeholders – governments, private sector, civil society, etc. – in order to realize the above-mentioned principles.

CLOSING



Dev Gosine, TT MAG Chair Elect

Dev shared that the IGF is for all of us and encouraged people to keep checking the website for updates and presentations. He briefly recapped the proceedings of the two-day event, congratulating all speakers for their impactful contributions.

Dev announced the tentative dates for the 2024 TTIGF to be held in January 2024 which will be confirmed later in the year. He thanked all partners, panellists and participants and extended best wishes to all.

- Our Partners -

