# Report on the Second Edition of Tanzania Community Networks School of Internet Governance 2021

**Workshop Theme:** Policy and Regulatory Framework for the Sustainable Community Network Cooperatives in Tanzania

**Workshop Venue:** Royal Village Hotel, Dodoma Region

**Workshop Dates:** 06 – 07th December 2021



**Date:** 11th January, 2022

## 1. Preamble

Tanzania Community Networks School of Internet Governance is a nationwide multi-stakeholder's annual event that brings together members working with community network cooperative and those advocating for community-based telecommunication networks in Tanzania and beyond. Community-owned networks, also referred to as "community networks" (CNs), have existed for many years and provided sustainable solution to address the Internet connectivity gaps that exist in urban, remote, and rural areas around the world. In Tanzania, Community Networks School of Internet Governance (TZCNSIG) is the outcome of hosting the largest Community Networks Summit in Africa in 2019 (4th summit on community networks in Africa) that was co-hosted by the University of Dodoma and Kondoa Community Network. Community networks are designed to address the issue of the digital divide in both rural and peri-urban areas by providing an alternative and cheaper connectivity solutions to the marginalized communities, in the quest to aid them attain various UN Sustainable Development Goals (UN SDG), specifically TZCNSIG focuses on Goal No. 4 (quality education), Goal No. 5 (gender equality), Goal No. 8 (decent work and economic growth), Goal No. 9 (industry, innovation and infrastructure), Goal No. 10 (reduced inequalities) and Goal No. 17 (partnerships for the goals) of the UN SDGs.

## 2. Objectives and Outcomes

TZCN SIG is a maiden programme that aims to create an empowered knowledge community member capable of playing a critical role in building a sustainable community networks infrastructure, creating local content for digital inclusion, shaping policies and regulation that govern the evolution and use of community networks cooperative. Also, the school is designed to help individual's community networks cooperative in Tanzania and East Africa to better understand the national, regional, and global Internet Governance issues, settings, and processes, in the quest to build a critical mass of Internet governance and community-based telecommunication policy ambassadors. It further promotes the creation and growth of community networks cooperative, increase collaboration between community network operators, and provide an opportunity for them to engage with each other. The outcomes of TZCNSIG2021 included:

- Improved capacity on Internet governance covering infrastructure basket, security basket, legal basket, economic basket, development basket, sociocultural basket, human rights basket and Internet governance actors

- Localized digital content and learning materials in Swahili.

- Gained technical and non-technical skills on addressing the digital divide.

- Improved skills in designing, administration and management of community-based telecommunication networks.

- Participated in discussion aimed to develop sustainable business model, relevant policy and regulatory framework for community network.
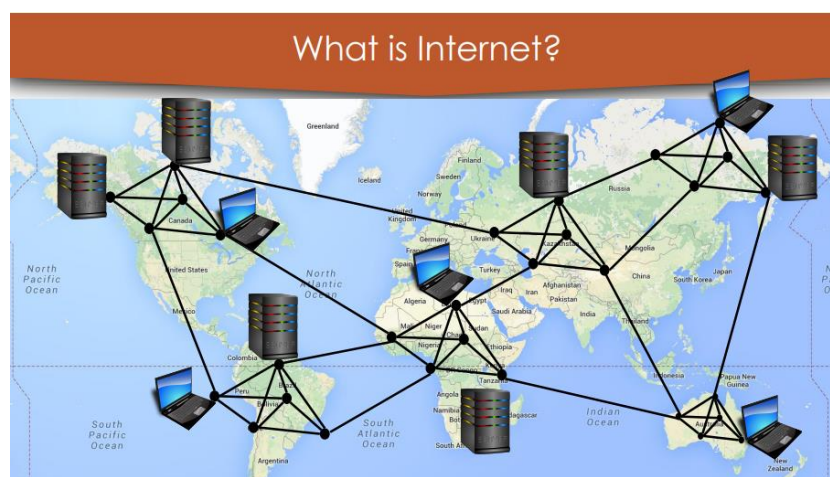
3. **Tanzania Community Networks School of Internet Governance 2021 in Summary**

- A total of 69 participants attended remotely and/or physically to the second edition of Tanzania Community Networks School of Internet Governance 2021.

- This year's TZCNSIG was the second edition, with the first edition being hosted by Kondoa Community Network in 2020.

- TZCNSIG2021 attracted 35 facilitators i.e., 19 facilitators attended the event physically and 16 did a remote presentation due to COVID-19 related restrictions.

- The event was inaugurated by Dr. Benson O. Ndiege, Registrar of Cooperative Societies on 06th December 2021.

- Dr. Jabhera Matogoro was awarded certificate of appreciation by Green Beacon Community Foundation, James Foundation, Albino Enterprises and Samata Foundation to recognize his dedicated work towards connecting the unconnected.

- Mr. Thomas Tito was awarded a certificate of the 2021 Best Worker for Tanzania Community Networks Alliance during the TZCNSIG2021.

- During the event, digital literacy programme was launched by Dr. Benson O. Ndiege. The programme will use GSMA Mobile Internet Skills Training Toolkit to address the usage gap.

- Websites for Kasulu (https://kacn.or.tz/) and Nyasa (https://ncn.or.tz/) Community Network Cooperative Society Ltd were officially launched during the TZCNSIG2021.

- The closure and certificate issuing to participants and speakers participated to the event was attended by Hon. Eng. Stella Manyanya, Member of Parliament from Nyasa Constituent.
- TZCNSIG2021 was sponsored by Association of Progressive Communication (APC), Internet Society (ISOC), Alliance for Affordable Internet (A4AI), TechSonic (PTY) LTD, Basic Internet Foundation, Tanzania Community Networks Alliance, Kondoa Community Network Cooperative Society Ltd, Kasulu Community Network Cooperative Society Ltd and Nyasa Community Network Cooperative Society Ltd.

## 4. Topics Covered for Day 1&2 of TZCNSIG 2021 – 06th December 2021

Day 1 kicked off with the official opening from Dr. Benson O. Ndiege, Registrar of Cooperative Societies. Day 1 was dedicated for topics related to Internet Governance and the first session was delivered by Brice Abba and James Chirwa from AFRINIC. Mr. Brice and James covered a range of sub-topics on the Internet Addressing System such as what is Internet, the Domain Name System, the Numbered Resources, Internet Governance ecosystem, to mention a few.



Day 2 was fully dedicated to issues related to policy and regulatory framework for the sustainable community network cooperatives in Tanzania. Hon. Dr. Pius Chaya presented an interesting finding on a topic title "Public Choice and Rural Internet Connectivity: Policy Implication". In winding up, Hon. Dr. Pius Chaya gave the following recommendations: the use of multiple ISP, improving the strength of Internet in rural areas, stakeholder should collaborate to make the Internet bundle affordable i.e reducing some fees so that bundles can be affordable and the Government of Tanzania to increase its budget to cover all areas in rural areas. Section 5 presents the list of speakers and topics presented to TZCNSIG 2021 for Day 1 and Day 2.

## 5. Appendices: Speaker's Name, Organization, Topics and Mode of Participation

| S/N | Full Name | Organization | Topic | Mode of Participation |
|---|---|---|---|---|
| | | **2ND Edition of Tanzania Community Networks School of Internet Governance - TZCNSIG 2021** | | |
| | | **Workshop Theme:** Policy and Regulatory Framework for the Sustainable Community Network Cooperatives in Tanzania | | |
| 1 | Brice Abba | AFRINIC | Internet Governance Issues, infrastructure, security, legal, economic and human rights basket and Internet Resources Management & Distribution in Africa | Face to Face |
| 2 | Hon. Dr. Pius Chaya | Bunge la Tanzania | Public Choice and Rural Internet Connectivity: Policy Implication | Face to Face |
| 3 | Dr. Anthony Diallo | GJS Logistics Ltd | Keynote Speech on Community Network Cooperative | Face to Face |
| 4 | Madeline Kimei | iresolve | DNS Arbitration and Mediation: Role and impacts for CN | Remote |
| 5 | Sinda Mwita | TZCNA | Digital Services Tax | Face to Face |
| 6 | Kharim Mchatta | H4K-IT | Cyber security for Community Networks Cooperative: Protection, Risks and Mitigations | Remote |
| 7 | Heavenlight Masaki | Shekinah Pre and Primary School | Project Monitoring and Management for CN | Face to Face |
| 8 | Eng. Mgolosi Peresi | TZCNA | Website Design and Management for Community Network | Face to Face |
| 9 | Thomas Tito | TZCNA | Why Graphic Design Matters | Face to Face |
| 10 | Eric de Jager | TECHSONIC | Zoom Platform: Features, Reseller and Opportunities for Community Networks | Remote |
| 11 | Prof. Josef Noll | Basic Internet Foundation | The Role of Community Networks Cooperative towards School Connectivity in Tanzania: Infrastructure and Devices | Remote |
| 12 | Dr. Adam Mtaho | Arusha Technical College | Event Proceeding and Report Writing | Face to Face |
| 13 | Prosper Kwigize | TADIO and Kasulu CN Cooperative | Community Radio in Tanzania: Achievement, Challenges and Sustainability Model | Face to Face |
| 14 | William Bundala | Kahama FM | Community Radio in Tanzania: Achievement, Challenges and Sustainability Model | Face to Face |
| 15 | Patrick Kossima | Unyanja FM and Nyasa CN Cooperative | Community Radio in Tanzania: Achievement, Challenges and Sustainability Model & Community Networks and Small, Medium and Micro Enterprises: Background, Achievement, Sustainability and Challenges | Face to Face |
| 16 | Dr. Luzango Mfupe | CSIR | Community Networks and Small, Medium and Micro Enterprises: Background, Achievement, Sustainability and Challenges | Remote |
| 17 | Lillian Achom | AccessPlus | Community Networks and Small, Medium and Micro Enterprises: Background, Achievement, Sustainability and Challenges | Remote |
| 18 | Kgopotso Ditshego Magoro | Mamaila CN | Community Networks and Small, Medium and Micro Enterprises: Background, Achievement, Sustainability and Challenges | Remote |
| 19 | Barack Otieno | AheriNet | Community Networks and Small, Medium and Micro Enterprises: Background, Achievement, Sustainability and Challenges | Remote |
| 20 | Salama Juma Salum | Kondoa CN Cooperative | Community Networks and Small, Medium and Micro Enterprises: Background, Achievement, Sustainability and Challenges | Face to Face |
| 21 | Silesi Malli | Kasulu CN Cooperative | Community Networks and Small, Medium and Micro Enterprises: Background, Achievement, Sustainability and Challenges | Face to Face |
| 22 | Agapit Manday | dLAB | Community Network Clusters: The Role of Innovation Hub and its enabling environment to grassroot innovation in Rural Tanzania | Remote |
| 23 | Daniel K. Nanghaka | The Internet.Africa | Modern Internet Standards and Internet Policy Adoption in Africa. | Remote |
| 24 | Verengai Mabika | ISOC | Policy and Regulatory Framework for the Sustainable Community Network Cooperatives | Remote |
| 25 | CPA James Joseph | TZCNA | Corporate Governance for CN – Financial Management | Face to Face |
| 26 | Joyce Mghamba | TZCNA | Fundraising and Income Generating Activities | Face to Face |
| 27 | Farhan Yusuf | Pharmacist | Managing stress and mental health for CN Members | Remote |
| 28 | Eng. Coenraad Loubser | WISH.ORG.ZA | Community networks: Infrastructure, Architecture and Monitoring | Remote |
| 29 | Eng. Paschal Mussa | TZCNA | Community networks: Infrastructure, Architecture and Monitoring | Face to Face |
| 30 | Eng. Damas Makweba | TZCNA | Community networks: Infrastructure, Architecture and Monitoring | Face to Face |
| 31 | Peter Mmbando | TZCNA | The Role of Cooperative Society as a tool for economic empowerment | Face to Face |
| 32 | Bryce Hartley | GSMA | Towards addressing the usage gap: GSMA Mobile Internet Skills Training Toolkit | Remote |
| 33 | Faraja Kotta Nyarandu | Shule Direct | The Role of Community Networks Cooperative towards School Connectivity in Tanzania: Infrastructure, Devices and Contents | Remote |
| 34 | David Nyangaka | Reneal International and Arusha Region | The Role of Community Networks Cooperative towards School Connectivity in Tanzania: Infrastructure, Devices and Contents | Face to Face |
| 35 | Purva Rajkotia | IEEE | Rural Connectivity and Community networks: Infrastructure, Architecture and Monitoring | Remote |

## 6. Media Coverage:

Local Coverage to Channel Ten TV:
https://www.youtube.com/watch?v=e4mro5aL0ts

## 7. Rebranding the TZCNSIG

The organizing team and various stakeholders attended the Second Edition of Tanzania Community Networks School of Internet Governance agreed to rebrand the programme to Tanzania School of Community Networks starting with the *"Third Edition of Tanzania School of Community Networks"* to be hosted by Kasulu Community Network Cooperative Society Ltd in 2022.

**Prepared by:**

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