



Michael Suantak (he/him)

1

Founder and director of ASORCOM, which provides innovative solutions for rural development.

www.asorcom.net

2

Built various community networks in the Chin State of Myanmar and the Manipur State of India connecting remote hilly villages.

3

These networks offer vital communication channels, digital education platforms, and empower socio-economic development of the local through the use of modern technologies.



Alternative Solutions' Past

1

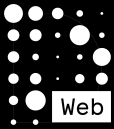
In 2013, we have been developing community networks in Chin State, Myanmar, connecting 20 remote jungle villages across the hills.

2

In 2021, we expanded our efforts to Lamka town in Manipur, India, establishing a network to support approximately 300 handloom weavers and foster their socio-economic development.

3

In 2023, we conducted technical research on alternative communication solutions for Myanmar during the crisis, focusing on LoRa SMS solution using Meshtastic app and deployed on the ground.



Alternative Solutions' Present

1

At present 2024, we are focusing on technical research and developing solutions for a decentralized, secure, and private communication system for the EWER (Early Warning, Early Response) system in Myanmar. This involves utilizing hybrid SDR (Software Defined Radio) and leveraging FLOSS (Free/Libre and Open Source Software) technologies.

2

Our primary focus is on supporting Myanmar citizens, including IDPs at the India-Myanmar borders and revolutionists in regions without regular phone or internet access.

3

Because the Myanmar military has targeted civilians, schools, hospitals, and community areas. Our system aims to enhance EWER (Early Warning, Early Response), administration, and public services with a decentralized, secure, and private communication solution.



Building Decentralized, Secure, and Private Communication Systems During Crises

About

Welcome to "Building Decentralized, Secure, and Private Communication Systems During Crises." This session explores innovative solutions for reliable and secure communication in regions with limited infrastructure, focusing on Myanmar. We'll cover how hybrid SDR (Software Defined Radio) and FLOSS (Free/Libre and Open Source Software) technologies can enhance Early Warning, Early Response (EWER), administration, and public services. Join us to learn how these systems will support vulnerable communities, providing essential communication during crises.

Format

A Virtual Presentation (40 minutes)

Support you need

I am looking for individuals or a team with knowledge and experience in HAM radio operating, HF communication, and specifically those who have used the sBitx v3 product from HF Signals (<https://www.hfsignals.com/>). Your expertise will be invaluable in co-facilitating my presentation and discussion mode of the virtual session. If you or someone you know fits this description, I would greatly appreciate your support. Thank you!



sBitx v3 is an advanced software-defined radio (SDR) transceiver designed for amateur radio enthusiasts.

It features a 40-watt HF transceiver that supports multiple bands, offering exceptional versatility for global communication.

The device combines both hardware and open-source software components, allowing users to modify and enhance its functionality.





Communication in rural and remote regions using HF signal

HF signals play a crucial role in providing reliable, long-distance communication in rural and remote regions. Their ability to bypass physical obstacles, minimal infrastructure requirements, and versatility make them an invaluable tool for emergency response, rural development, environmental monitoring, and community connectivity. As technology advances, HF communication continues to evolve, ensuring that even the most isolated areas remain connected and informed.






Impact to the communities

HF transceiver allows communities in remote and rural areas to receive timely alerts about impending strikes or military movements, which are critical for their safety and preparedness.

Enabling quicker dissemination of information and more efficient mobilization of resources and personnel, improving the overall response time during emergencies and reducing the impact of strikes.

Our hope and expectation at Camps

-  To gain in-depth technical knowledge, guidance, and hands-on experience sharing with decentralized communication systems for rural and remote regions, especially similar technologies to sBitx v3.
-  To receive constructive feedback and validation to refine the strategies, address potential challenges, and improve the overall effectiveness and impact of Early Warning and Early Response (EWER) systems in Myanmar.
-  To identify and connect with potential funding sources, grants, and resource allocations from organizations and individuals who are interested in supporting decentralized communication initiatives. Securing these resources will be crucial for the successful implementation and sustainability of my projects.



Invitation for Collaboration and Support

Join Us in Building Resilient Communication Networks in Myanmar. Your expertise, resources, and support can make a significant difference in empowering communities and ensuring their safety and connectivity.

+ **Connect with Us:** Reach out to explore potential collaboration opportunities. Let's share ideas and work together to implement robust communication solutions. Your expertise and insights are vital to enhancing our Early Warning and Early Response (EWER) systems in Myanmar.

+ **Spread the Word:** Help us grow our network by forwarding this invitation to others. Encourage them to participate in our online forums, attend in-person events, and connect with potential donors. Their involvement is crucial for building a stronger, more resilient communication network in Myanmar.

+ **Your Contribution Matters:** Your support is vital to the success and sustainability of our initiatives. With your help, we can ensure the long-term impact and effectiveness of our communication networks in Myanmar.



Michael Suantak

Director

Alternative Solutions for Rural Communities – ASORCOM

Discord/IG/Mastodon: @msuantak.777

E: msuantak@gmail.com

Signal: +917005103656