

VEGAS PEN NETWORK

Nonprofit Business Plan

VONet.org

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1 TABLE OF CONTENTS

2	Overview	3
2.1	Summary	3
2.2	Mission Statement.....	3
2.3	Vision Statement	3
3	Founding Purpose and Values	4
3.1	Why VONet Exists	4
3.2	Core Principles and the Network Commons Model	4
3.3	About the Founder	5
4	The Problem and Opportunity	6
4.1	Internet Access Gaps in Las Vegas	6
4.2	Why Existing ISP's Fall Short	6
4.3	The Case for a Community-Owned Network	7
5	Proposed Solution	8
5.1	What VONet Will Be	8
5.2	What Makes it Different.....	8
5.3	How it Aligns with NYC Mesh and Network Commons	9
6	Initial Plan and Roadmap	10
6.1	Early-Stage Goals	10
6.2	Community Building and Awareness	11
6.3	Pilot Scope and What Comes First	11
7	Funding Needs and Use of Funds	12
7.1	Pre-Seed Budget Estimate	12
7.1.1	Estimated Early Expenses	12
7.2	Donation-Based Model and Sustainability Vision	13
7.3	Planned Fundraising and Grant Outreach	13
8	Other Community Networks	14
9	Challenges and Mitigation	15
9.1	Key Risks and Assumptions	15
9.2	How Early work will De-Risk the Project	16
10	Governance and Organizational Structure	17
11	Strategic Partnerships	17

12	Network Design and Technical Architecture	18
13	Target Users and Access Model	19
14	Year One Success Indicators	19
15	Community Education and Volunteer Training	19
16	Legal, Safety, and Liability Framework.....	20
17	Growth and Expansion Strategy	20
18	Appendix.....	21
18.1	Network Commons License	21

2 OVERVIEW

2.1 SUMMARY

Vegas Open Network (VONet) is building a fair, accessible, and community-owned internet across Las Vegas. Inspired by the NYC Mesh (nycmesh.net) model, VONet will run an open network that anyone can join, with no cost to connect in most cases. There are no monthly fees or contracts, and the network is funded entirely by donations. While commercial ISPs exist, many people still face barriers like high costs, unreliable service, or lack of infrastructure. VONet focuses on reaching these underserved areas while staying open to all. Operated under the Network Commons License, the network is built and maintained by the community as a shared public resource. Using a mix of wireless and wired technology, VONet promotes digital equity, local resilience, and decentralized infrastructure. As a regional Internet Exchange Point, VONet also helps keep local web traffic local and supports a stronger, more independent internet for the region.

2.2 MISSION STATEMENT

Our mission is to build a fair, accessible, and community-owned internet for everyone in Las Vegas, with a focus on connecting those who have been left offline.

2.3 VISION STATEMENT

Our vision is a connected Las Vegas where everyone has the power to access, build, and shape the internet as a public resource, free from barriers and controlled by the community.



3 FOUNDING PURPOSE AND VALUES

3.1 WHY VONET EXISTS

Access to the internet is a basic need for work, education, healthcare, and communication. In Las Vegas, many residents still face barriers to getting online. High monthly costs, unreliable service, strict contracts, and missing infrastructure in certain neighborhoods make internet access difficult or even impossible for some.

Vegas Open Network (VONet) exists to address these gaps.

While commercial providers are available, their services often leave out the people who need access the most. VONet offers an alternative: a fair, community-owned network built and maintained by the people who use it. The project is inspired by NYC Mesh and operates under the Network Commons License, which keeps the network open, neutral, and free from corporate control.

VONet is funded by donations, run by volunteers, and open to anyone who wants to join. There are no monthly fees or contracts. Our goal is to create a public resource that supports digital equity across the city. We believe internet access should not depend on income, location, or corporate policy. Everyone deserves the right to connect and to help shape the network that connects them.

3.2 CORE PRINCIPLES AND THE NETWORK COMMONS MODEL

Vegas Open Network (VONet) is based on the belief that internet access should be open, community-driven, and available to all. To support this goal, VONet uses the Network Commons License (NCL), a set of shared rules that guide how the network is built, used, and maintained.

The NCL is built on four main principles:

- Anyone can use the network as long as they do not interfere with others doing the same.
- Everyone has the right to understand how the network works.
- People can offer and use services on the network however they choose.
- Anyone who joins agrees to help expand the network under the same terms.

These principles keep the network open to everyone and prevent it from being owned or controlled by any one person or group. While people can contribute equipment or funding, no one owns the network as a whole. Participation is voluntary, and anyone can leave at any time while keeping the equipment they provided.

The NCL also encourages privacy, safety, and accountability. Each participant is responsible for the security of their own system. The network does not track or control what people do on it. It exists only to move data and help people connect.

By following the Network Commons License, VONet stays committed to building a fair, open, and community-owned internet for Las Vegas.

3.3 ABOUT THE FOUNDER



Jacob Kukuk is the Founder of Vegas Open Network (VONet), a not-for-profit initiative launched in July 2025 to build a fair, community-owned internet across Las Vegas. With more than 15 years of experience in IT and infrastructure, Jacob has focused his career on building systems that empower people and solve practical problems. He has worked across the public, private, and nonprofit sectors, leading technology projects, modernizing operations, and creating secure, reliable networks for critical services.

His interest in technology has always been tied to a sense of purpose. Early on, Jacob saw how internet access could open doors to education, jobs, and opportunity. That understanding shaped his belief that connectivity should not be limited by income or geography. Everyone deserves a reliable way to get online.

Throughout his career, Jacob has combined technical expertise with a focus on real-world impact. He has built tools for public institutions, led digital upgrades in complex environments, and developed platforms to help communities stay informed and connected. His approach emphasizes transparency, accessibility, and local involvement.

VONet is currently in the founding stage. The project is working to establish a citywide network that offers affordable, community-owned internet. Under Jacob's leadership, the team will build early partnerships, test small-scale connections, and engage with residents and organizations. The goal is to create a long-term public resource that fills the gaps left by commercial providers and puts control into the hands of the people who use it.

Jacob lives in Las Vegas with his wife and four children. His work on VONet is rooted in the kind of future he wants to help build, one where access to the internet is not a privilege, but a shared foundation for opportunity.

Website:

<https://jacobkukuk.com>

LinkedIn:

<https://www.linkedin.com/in/jacobkukuk/>

4 THE PROBLEM AND OPPORTUNITY

4.1 INTERNET ACCESS GAPS IN LAS VEGAS

Las Vegas has widespread availability of commercial internet service, but access does not always mean affordability, reliability, or fairness. Many residents face barriers that prevent them from getting or maintaining internet service. These barriers include high monthly costs, hidden fees, credit checks, long-term contracts, data caps, and inconsistent service quality.

Low-income households, renters, seniors, and people living in multi-unit housing are often the most affected. In some neighborhoods, physical infrastructure is outdated or missing altogether. Public internet options like libraries or community centers are helpful, but limited in availability and not a long-term solution for people who need access at home.

The result is a digital divide that leaves many disconnected or relying on unstable or shared access. This gap affects education, employment, healthcare access, and civic participation.

The opportunity is clear. There is a growing demand for a more affordable, transparent, and community-centered alternative. VONet can meet this need by building a public infrastructure that is open, accessible, and operated with the community's input and participation. By offering a no-cost option in most cases, supported by donations and volunteer work, VONet can help fill the gaps left by commercial providers and reduce the digital divide in Las Vegas.

4.2 WHY EXISTING ISP'S FALL SHORT

Internet service providers in Las Vegas are mostly large, for-profit companies. Their main goal is revenue, not public access. Monthly costs are often high, with extra fees for installation, equipment, and early cancellation. Prices usually increase after the first year. For many people, especially those with low or fixed incomes, the cost is too much.

In some areas, service is unreliable. Speeds may be slow, and outages are common. Some neighborhoods only have one provider, and apartment buildings may have exclusive deals that leave residents with no choice. Areas on the edge of the city or just outside it may not have service at all.

Customer support is often difficult to reach and not helpful for people without technical experience. ISPs rarely explain how their systems work, what data they collect, or how they manage traffic.

These issues make it hard for many people to get and keep a reliable internet connection. The current system is not designed to serve everyone. VONet offers a different approach, focused on access, transparency, and community control.

4.3 THE CASE FOR A COMMUNITY-OWNED NETWORK

A community-owned network gives people control over the infrastructure they rely on. Instead of depending on commercial providers with high costs and limited transparency, the network is built, maintained, and governed by the people who use it.

This model puts access and fairness first. It removes profit from the equation and focuses on meeting the real needs of the community. There are no contracts, no surprise fees, and no decisions made behind closed doors. Anyone can join, and in most cases, they can connect at no cost.

A community-owned network also creates new opportunities for learning and participation. People can contribute by sharing a rooftop, hosting a node, volunteering time, or helping with outreach. The network grows as more people get involved, and every new connection strengthens the system for everyone.

This approach has already proven successful in places like New York City, where NYC Mesh has shown that local communities can build and manage their own internet infrastructure. VONet follows this model to bring the same benefits to Las Vegas.

With a focus on openness, transparency, and shared responsibility, a community-owned network is a long-term solution to the digital divide. It's not just about getting online—it's about building something that belongs to the people it serves.

5 PROPOSED SOLUTION

5.1 WHAT VONET WILL BE

VONet will be a community-owned internet network in Las Vegas. It will use a mix of wireless and wired connections to create a decentralized system that anyone can join.

There will be no monthly fees, contracts, or required payments. The network will be funded by donations and built with volunteer support. Everyone who joins will follow the terms of the Network Commons License, which keeps the network open and shared.

The network will start with a small pilot in one or more neighborhoods. Over time, more nodes will be added as people join and offer to host equipment. The goal is to build a stable local network that gives people access without relying on commercial internet service providers.

As it grows, VONet will connect homes, small businesses, and community spaces. It will also function as a local Internet Exchange Point so that traffic can stay within the region when possible. VONet will provide basic training and support so people can help build and maintain the network themselves.

This approach gives Las Vegas a simple and fair option for internet access that is run by the community, not by companies.

5.2 WHAT MAKES IT DIFFERENT

VONet is not a typical internet service provider. It does not charge monthly fees, require contracts, or operate for profit. Most people will be able to connect for free, and the network is supported by donations and volunteers, not by selling services.

The network is open to anyone and run by the community. People can help build, expand, or support it without needing special approval. All participants follow the same basic rules under the Network Commons License, which ensures the network stays open, neutral, and shared.

There is no central owner. No one can profit from other people's access. The network is designed to grow through local participation and shared responsibility.

VONet also works differently on a technical level. It uses a decentralized structure, where each new connection helps strengthen the whole network. It can also serve as a local Internet Exchange Point, helping keep data within the region and reducing reliance on major internet backbones.

This model gives people more control, more transparency, and a better path to reliable access than what most commercial providers offer.

5.3 HOW IT ALIGNS WITH NYC MESH AND NETWORK COMMONS

VONet is based on the same core ideas as NYC Mesh (nycmesh.net). Both projects use community-owned infrastructure, run open networks, and follow the Network Commons License. This means the network is not owned by any one person or company, and anyone can join as long as they follow the same rules.

Like NYC Mesh, VONet will use rooftop antennas, wired links, and shared internet gateways to build out the network. The goal is to create local, reliable connections that do not depend on commercial internet providers. Both networks grow through community involvement, not through paid service models.

VONet also follows the same license terms. Participants agree to share access, keep the network open, and not interfere with others. Devices can be donated, shared, or funded in any way, as long as they are not used to profit from other users.

By following the same structure as NYC Mesh and using the Network Commons License, VONet is part of a growing movement to build internet infrastructure that is fair, open, and community-controlled.

6 INITIAL PLAN AND ROADMAP

6.1 EARLY-STAGE GOALS

VONet is in the pre-seed stage. The first goals are focused on laying a strong foundation for growth and building early support from the community.

Nonprofit Structure and Compliance

Establish a 501(c)(3) if not already completed. Set up basic administrative tools, such as donation handling, public documentation, and policies.

Form the Core Team

Identify and organize a small group of committed volunteers with skills in networking, outreach, organizing, and project planning.

Community Outreach and Awareness

Begin engaging local residents, community groups, and potential partners. Explain the purpose of VONet and invite people to get involved.

Fundraising and Donations

Launch an initial fundraising campaign to support the first installations and cover startup costs. This may include individual donations, small grants, or in-kind support.

Pilot Area Selection

Choose one or two neighborhoods for a small-scale test network. These areas will help demonstrate the concept and test equipment and setup processes.

Equipment Planning and Testing

Research and test affordable wireless and wired equipment. Start building a basic supply list and documenting setup steps.

Build First Connections

Set up the first live nodes in the pilot area. Monitor performance, document lessons learned, and begin expanding from there.

These steps are meant to be low-cost and high-impact. The goal is to prove the model works, build early trust, and create a foundation that the wider community can join and help grow.

6.2 COMMUNITY BUILDING AND AWARENESS

VONet will grow through local involvement. In the early stage, the focus is on building relationships, sharing the vision, and getting people interested in helping or connecting.

The first step is to identify and reach out to individuals, neighborhoods, and organizations that may benefit from or support a community-owned network. This includes renters, community centers, housing advocates, tech volunteers, and groups already working on digital inclusion.

Clear, simple materials will be created to explain what VONet is, how it works, and how people can get involved. This could include flyers, a basic website, and community presentations.

Events, workshops, and open meetings will help introduce the project to the public and build trust. Volunteers will be invited to help with setup, outreach, and education. Early participants may offer rooftops for equipment or help connect neighbors.

The goal is to create a sense of shared ownership from the start. People will be more likely to support and protect the network if they see it as something they helped build. VONet is not a service to be sold, it is a public resource, and community building is how it begins.

6.3 PILOT SCOPE AND WHAT COMES FIRST

The first phase of VONet will focus on building a small, working pilot network. This will test the concept, equipment, and process before expanding citywide.

The pilot will be limited to one or two neighborhoods. Areas will be chosen based on need, interest from local residents, and the ability to install rooftop or building-mounted equipment. The goal is to create a working loop of connected nodes that can provide basic internet access to nearby users.

Initial connections will be set up between a small group of volunteers. These early nodes will help test the signal range, reliability, and setup process. Simple instructions will be created so others can repeat the installation.

The first steps include:

- Mapping buildings that are suitable for mounting antennas
- Installing core equipment like routers, antennas, and switches
- Connecting to an internet uplink where available
- Monitoring performance and uptime
- Documenting the setup to share with future volunteers

This small-scale rollout will provide real data, help identify problems early, and give the team a working example to share with the community. Once the pilot is stable, the next phase will focus on adding more nodes, expanding coverage, and training others to do the same.

7 FUNDING NEEDS AND USE OF FUNDS

7.1 PRE-SEED BUDGET ESTIMATE

At the pre-seed stage, VONet will need a small amount of initial funding to cover basic legal, administrative, and operational startup costs. These funds will help move the project from concept to early implementation.

7.1.1 Estimated Early Expenses

501C3 Setup – Funds will be used to officially establish VONet as a nonprofit in the state of Nevada. This includes any registration fees, filing fees, and any support from legal or accounting professionals.

Basic Equipment for Pilot – A limited number of routers, antennas, mounting hardware, and cabling for testing and early installations.

Website and Outreach Materials – A basic website, domain, and printed flyers to explain the project and engage the public.

Insurance and Operational Needs – General liability insurance or coverage related to rooftop access or public installations.

Administrative Tools – Email, document storage, and other basic software or services needed to operate as an organization.

All work in this stage will be done by volunteers. As the pilot progresses, a full operating budget will be developed to support future phases of the network.

7.2 DONATION-BASED MODEL AND SUSTAINABILITY VISION

VONet will operate without monthly fees or service contracts. Instead, it will rely on a donation-based model. People who use the network will be encouraged, but not required, to contribute. Support may come from individuals, community groups, businesses, and grants.

The network will stay open and accessible regardless of someone's ability to pay. This helps ensure that access is based on need, not income. All donations will go toward maintaining and expanding the network, including equipment, outreach, and operational costs.

To stay sustainable, VONet will:

- Build relationships with donors and grant makers who support digital equity and community-owned infrastructure
- Offer clear ways for people to contribute financially, host equipment, or volunteer time
- Be transparent about how funds are used
- Grow at a pace that matches available support and community interest

As the network expands, costs will remain low by using shared infrastructure, volunteer labor, and community-hosted nodes. The long-term goal is a stable, community-supported system that can continue to grow without depending on outside funding or commercial revenue.

7.3 PLANNED FUNDRAISING AND GRANT OUTREACH

VONet will begin with small fundraising efforts to cover basic startup costs. Early donations will likely come from individuals, local supporters, and small community events.

The plan includes asking for in-kind support such as donated equipment, rooftop space, or volunteer time. A donation page will be added to the website so people can contribute directly.

VONet will also research and apply for small grants. These may come from foundations, local governments, or programs that support community internet, digital inclusion, or neighborhood infrastructure. The focus will be on grants that support early-stage projects and allow for flexible use of funds.

All donations and grants will be tracked, and spending will be public. The goal is to build trust and keep the organization accountable as it grows. Fundraising will continue in phases, based on network needs and community interest.

8 OTHER COMMUNITY NETWORKS

VONet is part of a growing global movement of community networks, locally built, managed, and maintained internet infrastructure created by and for the people it serves. These projects demonstrate that open, decentralized networks can deliver reliable connectivity while promoting equity, participation, and digital self-reliance.

NYC Mesh

nycmesh.net

Based in New York City, NYC Mesh is one of the most visible community mesh networks in the U.S. It currently operates over 2,000 active member nodes and offers free or pay-what-you-can internet service. The project prioritizes transparency, open-source tools, and community-led growth.

Guifi.net

guifi.net

Located in Catalonia, Spain, Guifi.net is one of the largest community networks in the world, with over 37,000 operational nodes, serving 60,000+ users, and spanning 70,000+ km of wireless and fiber links. Guifi is built on a commons-based model, allowing individuals, businesses, and institutions to contribute to and benefit from shared infrastructure.

Freifunk

freifunk.net

Freifunk is a decentralized wireless community network with over 400 local groups and more than 50,000 access points across Germany. Its mission is to create free infrastructure through grassroots organizing, community empowerment, and open standards.

People's Open Network (Oakland, CA)

peoplesopen.net

A grassroots mesh project in Oakland, California, focused on digital justice and equitable infrastructure. While still growing, it has laid the groundwork for distributed node deployment, community education, and localized ownership in historically underserved neighborhoods.

MOMESH (Missouri)

momesh.org

A community-led wireless mesh network based in Missouri. MOMESH connects neighbors using open-source tools and provides affordable DIY connectivity options in both rural and urban areas. The network emphasizes low-cost infrastructure and grassroots education.

Tucson Mesh (Arizona)

tucsonmesh.net

A volunteer-driven mesh network initiative aimed at building resilient, locally controlled infrastructure throughout the Tucson area. The network is in its development phase and centers on education, accessibility, and emergency preparedness.

Seattle Community Network (Washington)

seattlecommunitynetwork.org

An active community wireless network serving neighborhoods across Seattle. The network includes multiple high-performance wireless relays and rooftop installations, and also runs digital equity workshops and public education programs. It is operated by volunteers and supported by community partnerships.

9 CHALLENGES AND MITIGATION

9.1 KEY RISKS AND ASSUMPTIONS

Lack of initial funding

Without early donations or grants, it may be difficult to cover startup costs like legal fees and equipment. The plan assumes that enough interest and small contributions can be raised to move forward. This risk will be reduced by keeping costs low and seeking in-kind support.

Limited public awareness

Most people are not familiar with community-owned networks. The success of VONet depends on outreach and education. This risk will be addressed by creating simple materials, hosting local info sessions, and working with other non-profits and community groups to form strong partnerships.

Technical barriers

Some volunteers or participants may not have experience with networking or equipment setup. VONet assumes that training and clear documentation can make the process easier. This risk will be reduced by focusing first on a small group of tech-capable volunteers during the pilot.

Rooftop access and node hosting

The network depends on people being willing to host equipment. Access to rooftops or high points may be limited. This risk will be managed by identifying willing hosts early and creating clear agreements for use.

Internet uplink availability

Community networks still need a point of access to the broader internet. The plan assumes that one or more uplinks can be arranged through donations, partnerships, or existing connections. This will be tested during the pilot phase.

Sustained community involvement

The network's growth depends on ongoing community interest and participation. To keep people involved, VONet will stay transparent, open to feedback, and active in local outreach.

These risks are common for new community projects. By starting small and staying flexible, VONet can adapt and grow based on real experience.

9.2 HOW EARLY WORK WILL DE-RISK THE PROJECT

The early stages of VONet are focused on testing the concept on a small scale. Starting with a small pilot allows the team to find problems early and fix them before expanding. It also helps prove that the network can work in the local environment.

Early outreach will show whether there is real community interest and support. If people are willing to volunteer, donate, or host equipment, that will confirm that the project is needed and has a path forward.

Testing equipment and installation methods in a limited area will reduce technical risks. The team can figure out what works, what doesn't, and what needs to change. Clear documentation will be created based on real experience, making it easier to train others.

Getting legal and nonprofit status through a Fiscal Partner set up early will avoid delays later. This financial tracking, and public-facing tools like a website and donation system.

By keeping the first phase small and low-cost, VONet avoids taking on unnecessary risk. Each step is designed to gather feedback, build trust, and prepare the team for the next phase of growth.

10 GOVERNANCE AND ORGANIZATIONAL STRUCTURE

VONet will be managed by a Director and guided by an elected advisory council. The Director will handle day-to-day operations, project planning, and oversight of network development. The advisory council will serve as a community-rooted leadership group that helps guide long-term strategy, partnership development, and major network decisions. This structure ensures transparency and community accountability while allowing for efficient management.

Council members will be elected by the community, with staggered terms to provide continuity and fresh insight. The Director will collaborate with the council to maintain the vision and integrity of the network as it scales.

11 STRATEGIC PARTNERSHIPS

VONet is actively pursuing partnerships that align with its mission to deliver open, community-owned internet access. These include:

- Funding partners such as local foundations, philanthropic organizations, and Grantmakers who support digital equity and community infrastructure.
- In-kind donations from property owners offering rooftop space or hosting equipment, and from vendors or individuals donating hardware.
- Public housing authorities and similar agencies to provide free access at their facilities, reaching residents most impacted by the digital divide.

Partnerships will be key to building trust, reducing costs, and expanding the network with community support.

12 NETWORK DESIGN AND TECHNICAL ARCHITECTURE

VONet follows a community mesh model similar to NYC Mesh, combining wired and wireless technology to create a decentralized, resilient network. Core infrastructure will be co-located at a local data center, with plans to establish an Internet Exchange Point (IXP) for regional traffic routing.

VONet will peer directly with Hurricane Electric and utilize its own IPv4 /24 address space or a smaller allocation, giving the network autonomy and control over routing. The open nature of the architecture allows for scalability and community contributions without centralized bottlenecks or restrictions from local ISP's.

13 TARGET USERS AND ACCESS MODEL

While VONet's social mission focuses on connecting underserved and low-income households, the network is open to all residents of Las Vegas, regardless of income or background.

For those who can afford it, equipment will be made available at cost, with multiple purchase pathways including DIY options. For those without financial means, equipment will be covered by donations or grants. No monthly fees or service charges will exist but donations help maintain the network and connect more users who cannot afford equipment. This model ensures that VONet stays inclusive and fair while encouraging shared ownership of the network's growth.

14 YEAR ONE SUCCESS INDICATORS

In its first year, VONet's success will be measured by:

- Formation of the organization and advisory council
- Securing initial funding or in-kind support
- Launching a pilot network in one neighborhood
- Establishing core infrastructure including colocation and uplinks
- Deploying initial volunteer-led nodes Building public awareness and local involvement

These early wins will validate the model and create a strong foundation for expansion.

15 COMMUNITY EDUCATION AND VOLUNTEER TRAINING

Education and skill-sharing are central to VONet's growth. Training programs will be offered to community members who want to become installers, helping to form a team of local volunteers who can support setup and maintenance.

Additional volunteer-led workshops will cover internet safety, privacy best practices, open-source tools, and how the network works. These efforts aim to build local capacity, strengthen digital literacy, and foster a culture of ownership and involvement.

16 LEGAL, SAFETY, AND LIABILITY FRAMEWORK

To ensure responsible operations, VONet will carry liability coverage that includes the advisory council, the Director, and the project as a whole. Equipment hosts and volunteers will be covered by appropriate insurance, and all participants will agree to the terms of the Network Commons License, which outlines shared responsibilities and open-use principles.

Users will be advised to treat the network as public and open, similar to a coffee shop Wi-Fi connection. Personal privacy tools like VPNs will be recommended. Equipment hosting agreements will clarify expectations, safety standards, and liability protections for rooftop or property-based installations.

17 GROWTH AND EXPANSION STRATEGY

Once the pilot proves successful, expansion will be driven by community interest and local demand. The open structure of the network allows any group or individual to begin building out their area, provided they follow the same guidelines in the Network Commons and connect into the broader network.

Growth will happen organically, supported by documentation, training, and equipment availability. As more nodes are added and more neighborhoods connect, the network becomes more resilient and valuable for everyone involved.

18 APPENDIX

18.1 NETWORK COMMONS LICENSE

Vegas Open Network – Network Commons License (v1.0.0)

The Network Commons License is the framework that governs the network commons.

The License

The Network Commons License (NCL) describes the terms and conditions associated with the use of free and open networks. It enables individuals, communities, companies, governments, and other organizations to adopt or support the same.

The NCL is rooted in the following four tenets:

Participants are free to use the network for any purpose that does not limit the freedom of others to do the same.

Participants are free to know how the network and its components function.

Participants are free to offer and accept services on the network on their own terms.

By joining the free network, you agree to extend the network to others under the same conditions.

Terms

Participation

The free network honors the human right to communication, aiming for the maximum possible benefit for its constituents. Disputes should be resolved through stakeholder consensus based on these principles.

The network must allow access to any willing participant unless it jeopardizes proper network functioning.

Network devices and infrastructure can be financed in any way that doesn't seek profit from other participants.

The network has no owner or proprietor, regardless of individual contributions.

Participants agree to allow all data to transit their network portion without manipulation, unless needed for maintenance.

Participants agree only to this License. Any other agreements must be explicitly stated and accepted.

Participants are encouraged to allow device placement on their premises, though this is discretionary and revocable at any time.

Provision of Services

The network is a conduit; it's not liable for hosted services.

Content and services may be created and shared freely.

Creators can license their content however they choose. Unless stated otherwise, services are gratis, "as is," and without warranty.

No guarantee is made for Internet access availability.

Traffic shaping may prioritize real-time communications. Any such policies must be transparently published.

Participants should publish information about network availability where possible.

No content may be transmitted that threatens others' well-being or the network's operation, including illegal, unsolicited, or malicious material.

Use of Spectrum

Use transmission power responsibly—only what's necessary for service levels.

Coordinate and cooperate to avoid interference and minimize spectral pollution.

Security and Liability

Participants are responsible for their own system security.

Assume all network traffic is visible; encrypt communications accordingly.

Private networks can connect to the free network and use firewalls as needed. They're not bound by this License.

The free network isn't responsible for damage to or by participants.

The network disclaims all liability for participant behavior.

Conditions

Adopting this License implies agreement with its terms. Members may revoke adoption at any time and reclaim their equipment.

The NCL is released under a Creative Commons Non-commercial, Attribution, Share-alike license. Derivative works must credit the NCL, may not be used commercially, and must be shared under the same conditions.