TELECOM INFRA PROJECT®

OpenLAN PG
OpenLAN Gateway Subgroup Charter

This Project Subgroup Charter establishes the purpose, project scope, and intellectual property license terms applicable to the Project described below (the "Project"). Only Participants whose Authorized Representative agrees to the terms of this Project Group Charter are permitted to participate in this Project Group.

Access to the PG, its draft and final Deliverables, meetings, etc. and permission to use it are offered by TIP to any TIP Participant who agrees to the terms of this Charter. You agree that you will not share any Contributions of other PG members, or any draft or final PG Deliverables with any party who is not a member of this PG unless made public.

Charter Effective Date: October 15, 2025

1. PG SUBGROUP NAME
OpenLAN Gateway ("OLG")

2. PURPOSE
The mission of **OpenLAN Gateway (OLG)** is to extend the OpenLAN ecosystem by delivering an open-source, interoperable **router-firewall and WAN gateway platform**.

Wi-Fi and Ethernet already form the foundation of enterprise and SMB networks. OLG complements OpenWiFi and OpenLAN Switching by enabling a **complete in-building enterprise networking stack (WiFi + LAN + WAN)** with:
- Rich routing and security capabilities.
- Flexible deployment on whitebox hardware, hypervisors, or cloud-based gateways.
- Open-source network operating system (OLG-NOS) integrated with **uCentral** for unified management.
- Support for **third-party applications** (VMs, containers) for guest access, IoT middleware, PMS integration, etc.

This Subgroup will accelerate innovation, reduce vendor lock-in, lower barriers to entry for new suppliers, and foster industry collaboration.

3. SUBGROUP SCOPE

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The OpenLAN Gateway Subgroup is a dedicated open-source community for the **design, development, and validation** of open and disaggregated WAN gateway systems.

The Subgroup will:
- Define and manage a development roadmap for OLG features (routing, firewall, WAN, security modules).
- Curate a **whitebox hardware ecosystem** for SMB, branch, and large enterprise use cases ("Small", "Medium", "Large").
- Develop, integrate, and maintain **OLG-NOS and OLG uCentral Agent**
- Contribute requirements, designs, APIs, schemas, data models, and workflows to open- source repos and project Wiki.
- Integrate advanced open-source **security modules**.
- Support **automated testing & validation** (Labs: regression, performance, load generation).
- Enable **Zero Touch Provisioning (ZTP)** and PKI infrastructure consistent with OpenWiFi/OLS.
- Promote **interoperability across WiFi, LAN, and WAN**, ensuring single-pane-of-glass management via uCentral.

Example Use Cases:
- SOHO: AP + LAN + Gateway, 100Mb–2Gbps WAN.
- Branch: 1–5 APs, 1–2 switches, 1 gateway, 1–20Gbps WAN.
- Large Enterprise: 100+ APs, 10+ switches, HA Gateway Pair, 10–100Gbps WAN.

4. COLLABORATION
The Subgroup will reside under the OpenLAN Project Group and collaborate, as necessary, with other OpenLAN Subgroups, e.g. OpenWiFi and OpenLAN Switching.

The OpenLAN PG, including OLS, engages and collaborates with other TIP Project Groups as appropriate.

In addition, the group will collaborate with and reuse existing software components, as appropriate, from other industry groups related to network software and infrastructure such as:
- Wireless Broadband Alliance (https://wballiance.com/)
- OpenWRT (https://openwrt.org/)
- OCP & Linux foundation (around SAI/SONiC for switching)
- FreeRTOS
- OpenLAN sub-groups (OpenWiFi & OpenLAN Business Group)

5. SUBGROUP LEADS AND CO-LEADS
The Subgroup will have a minimum of one and a maximum of three designated Leads/Co-Leads to oversee and guide general group activities. These Leads/Co-Leads will report and align upwards into the general OpenLAN Project Group.

The Lead/Co-Lead may solicit candidates for and ultimately be responsible for appointing Software Project Maintainer(s).

6. SOFTWARE PROJECT Maintainer(s) responsibilities

The Maintainer(s), according to the Telecom Infra Project IPR Policy, have the following responsibilities:

- The Maintainer(s) will coordinate the Contributions of Contributors (including accepting or rejecting proposed Contributions), the hosting of the Project, and handling of pull requests in accordance with the then-current TIP Guidelines for Maintainers for TIP Software Projects
- The Maintainer(s) will determine practices for releases of updates subject to approval by the Board of Directors or an Administrative Committee formed in accordance with the TIP Bylaws
- The Maintainer(s) have the additional responsibilities described in this Charter and as may be delegated to him or her from time to time by the TIP Board of Directors, including:
  - Ensuring that all Contributors' Authorized Representatives have executed the TIP Software Contribution and License Agreement
  - Tracking all Contributions submitted including the date of submission, the entity responsible for the submission, and whether the Contribution was accepted, with or without modification, or rejected
  - Appointing and managing Committers, if any, in accordance with the then-current TIP Guidelines for Maintainers for TIP Software Projects
  - Coordinating with TIP legal counsel to ensure compliance with all third-party software licenses including free and/or open-source software licenses, as necessary

7. SERVICES PROVIDED BY TIP

- GitHub repositories
- Atlassian Suite (at time of writing, Jira, Confluence)
- Participant collaboration suite (at time of writing, Hivebrite)
- Slack or equivalent instant messaging and collaboration suite
- Zoom or equivalent video collaboration suite
- Subgroup Email to communicate with OpenWiFi members

8. INITIAL SOURCE CODE CONTRIBUTION

Initial contribution of Project source code to be determined, following the TIP Project Group Procedures for contributions.

9. SOFTWARE PROJECT TERMS

The OpenLAN Project Group Charter establishes the purpose, project scope, and intellectual property license terms applicable to the software projects undertaken

within its Subgroups, including this OLG Subgroup. Terms relating to Licensing, contribution, and Deliverables are as set forth in the OpenLAN Project Group Charter.