

# Open Converged Wireless

TIP Board of Directors Approval Date: February 17, 2021

## 1. SOFTWARE PROJECT GROUP NAME

Open Converged Wireless

## 2. PURPOSE

The Open Converged Wireless project is a dedicated open source community for the design, development & testing of converged wireless connectivity systems software for Wi-Fi, Switching, and other wireless technologies.

## 3. SOFTWARE PROJECT SCOPE

The Open Converged Wireless software project will focus on the iterative development, validation, and contribution of open software for indoor connectivity systems by focusing on the following:

- Define and contribute software requirements, design artifacts, architectures, APIs, data models, and workflows
- Reuse and reference to existing industry standards and available components as appropriate
- Develop, build, and test, disaggregated software and hardware systems
- Validate indoor network systems through direct engagement in TIP lab and field trials (Service Provider, OEMs, ODMs, etc.)
- Support a rich software / hardware platform ecosystem that is well integrated, curated & tested

### General Deliverables

- Source Code, test automation software and supporting software, and system validation source code

- Test automation, system validation and hardware documentation artifacts including requirements, design artifacts, scripts, configurations, and test process documentation

## Delivery Process

- Software development, including continuous integration and automated test automation, will be managed, tracked, and delivered by industry standard, open source practices including defined roadmap, feature backlog, defined delivery sprints
- System design and validation artifacts will be managed, tracked and delivered via industry standard, open source practices and published in the project group tools

## 4. COLLABORATION

The group will be structured and managed as a single Project Group, with the option to create additional sub work streams as appropriate to meet community needs.

The Open Converged Wireless Software Group will engage and collaborate with any TIP Project Group as appropriate. A key driver of this collaboration will be the public availability of the software, test automation and system validation code and documentation artifacts contributed to the Open Converged Wireless Software Group.

This group will also collaborate with the Wi-Fi Solutions PG via:

- Co-chair and participant collaboration by individuals that join and participate in both groups
- Quarterly general meeting between the Open Converged Wireless SW group and the Wi-Fi Solution Group
- Wi-Fi Solution Group published requirements made available to all members of the Open Converged Wireless SW group when ready

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:

- Wi-Fi Alliance (<https://www.wi-fi.org/>)
- Wireless Broadband Alliance (<https://wballiance.com/>)
- OpenWRT (<https://openwrt.org/>)

## 5. GROUP CHAIRS AND CO-CHAIRS

- Kishore Raja, Boingo Wireless
- Sascha Dech, Deutsche Telekom
- Chris Busch, Facebook

The group will be structured and managed as a single Project Groups, with the option to create additional sub work streams as appropriate to meet community needs.

## 6. SOFTWARE PROJECT MAINTAINER

The Authorized Representative of the Participant employing the Maintainer must execute this Software Project Group Charter. The TIP Board of Directors may replace the Maintainer at their sole discretion, and at any time.

The Maintainer, according to the Telecom Infra Project IPR Policy, has the following responsibilities:

- The Maintainer will coordinate the Contributions of Contributors (including accepting or rejecting proposed Contributions), the hosting of the Software Project, and handling of pull requests in accordance with the then-current TIP Guidelines for Maintainers for TIP Software Projects.
- The Maintainer 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 has 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 repository
- Atlassian Suite (Jira, Confluence)
- Slack

## 8. INITIAL SOURCE CODE CONTRIBUTION

- Open Wi-Fi Firmware source code under Standard 3-clause BSD License
- Open Wi-Fi Controller source code under Standard 3-clause BSD License
- Supporting source code documentation under TIP Document IPR Policy
- [Source Code](#) and [Documentation links](#)

## 9. SOFTWARE PROJECT TERMS

This Software Project Group Charter establishes the purpose, project scope, and intellectual property license terms applicable to the Software Project described herein (“**Software Project**”). Only Participants whose Authorized Representative executes this Project Group Charter are permitted to participate in this Project Group in accordance with the TIP Bylaws.

**Term:** The Project Group shall commence on the date this Charter is approved by the Board (“**Formation Date**”) and shall terminate automatically one year from the Formation Date unless the TIP Board of Directors votes to extend the Term for a subsequent 1-year term. The TIP Board of Directors may extend the Term an unlimited number of times.

### 9.1 LICENSE TERM

The license terms applicable to the Software Project shall be as follows:

Limited copyright-only license as approved by the TIP Board of Directors.

Standard 3-clause BSD License.

BSD License plus patent grant.

A copy of the complete license for the Project is attached hereto as Schedule 1 (the “**Project License**”). If the Project Group is developing multiple programs with different Project Licenses, this Section 9.1 must be completed for each program with a different Project License and a corresponding Schedule with the full text of the applicable Project License must also be attached. Each additional Schedule shall be designated Schedule 2, Schedule 3, and so on.

## 9.2 CONTRIBUTION TERMS

Organizations and individuals that execute this Software Project Charter will be bound by its terms, will be permitted to participate in the project, and shall be considered “Contributors” in the project as defined in the [TIP software contribution and license agreement](#).

Contributions to the Software Project for must be made pursuant to the TIP Software Contribution and License Agreement (CLA)

\_\_\_ Check here if Contributions must also be accompanied by the Developer Certificate of Origin as set forth in Annex B of the Telecom Infra Project IPR Policy

## 9.3 SOFTWARE PROJECT LICENSING POLICIES

Contributions to Deliverables and any license to use the Deliverable upon its finalization are governed by TIP’s [Organizational Documents](#). The IPR policies and agreements referenced below are TIP Organizational Documents unless otherwise specified and attached to this Charter.

Deliverable	IPR Treatment	Approval Procedures
Software, test automation, and system validation source code as defined in section 3 Deliverables	<a href="#">Document IPR Policy</a>	Version(s) approved by consensus of the Maintainers and project group Chairs
Test automation, system validation, and open hardware documentation artifacts as defined in section 3 Deliverables	<a href="#">Document IPR Policy</a>	Final approval by Technical Committee

**Charter Update:** This Charter will be updated to reflect any changes as set forth in the Project Group Charter Revision Policy which may be accessed at [https://cdn.brandfolder.io/D8DI15S7/as/q7rnyo-fv487k-2j33tl/Project\\_Group\\_Charter\\_Revision\\_Policy\\_-\\_Telecom\\_Infra\\_Project.pdf](https://cdn.brandfolder.io/D8DI15S7/as/q7rnyo-fv487k-2j33tl/Project_Group_Charter_Revision_Policy_-_Telecom_Infra_Project.pdf).

## SCHEDULE 1

### Open Converged Wireless Project Group

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# ACCEPTANCE

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Contact Name

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Contact Title

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Email Address

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Telephone Number (Include Country Code)

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Company Name

---

Company Address, City, State, Country, Postal Code

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Company Web Page URL

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Primary services or products the company provides

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Signature

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Date

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Signed by (print name)