

Open Automation

This Project Group Charter establishes the scope, intellectual property and copyright terms used to develop the materials identified in this Project Group. Only Participants that execute this Working Group Charter will be bound by its terms and be permitted to participate in this Project Group and shall be considered “Contributors” in the Project Group as defined in the Telecom Infra Project Organizational Documents (<https://telecominfraproject.com/organizational-documents/>).

TIP Board of Directors Approval Date: September 2, 2020

1. PROJECT GROUP NAME AND TYPE

NAME: Open Automation

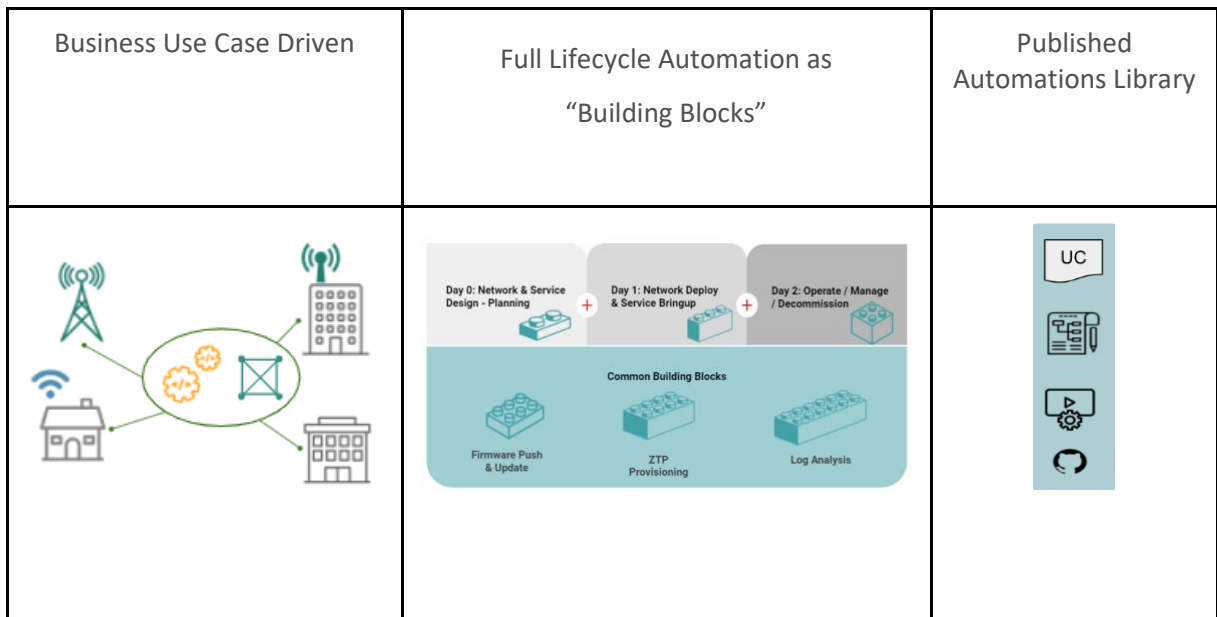
SEGMENT(S): Multiple

TYPE: Solution Group

2. PURPOSE

To iteratively design, validate and publish a library of composable automation “building blocks” that support service provider efforts to orchestrate the lifecycle automation of business services, deployed across end-to-end, multi domain networks.

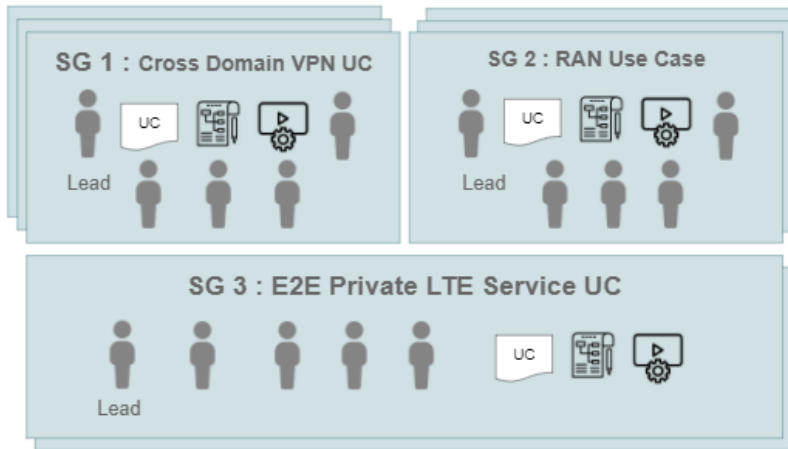
3. PROJECT GROUP SCOPE



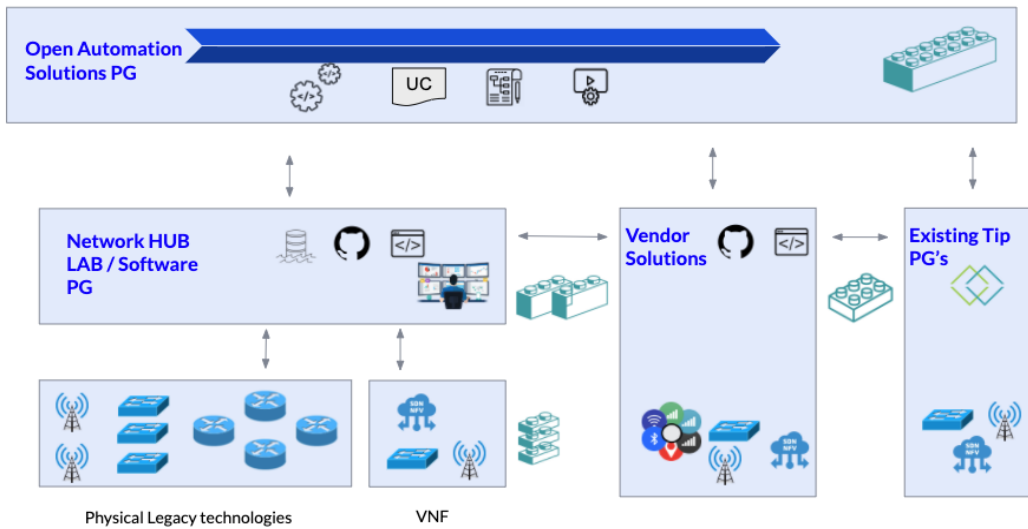
The project group will:

- Focus on the automation of high impact, business uses cases critical for improving user experience, service provider operational agility and efficiency.
- Iteratively Design and develop the automation requirements, architectures and workflows necessary to automate the end to end lifecycle of business use cases as reusable “building block” components.
- Collaborate with existing TIP PG and / or third parties to incorporate existing artifacts (processes, workflows, automation blocks, APIs, data models, etc.), as appropriate, so as to maximize the reuse of industry standards and approaches.
- Validate automation designs through direct engagement with and implementation by the TIP Open Automation Software Lab and through Service Provider or other TIP member lab or field trials
- Publish a library of business uses cases and associated automation blueprints for implementation and use by the TIP membership.

4. PROJECT GROUP STRUCTURE



The group will organize and conduct its work via business use case specific subgroups



5. PROJECT GROUP DELIVERABLES

General Deliverables: The following lists outline the types of requirements, design and validation documentation that the group expects to deliver for each business use case automation workstream.

1. Business Use Case Artifacts
 - a. Business Requirements Document
 - b. Service Description & Model
 - c. Network domains architecture diagram
2. Modular Automation Design Artifacts
 - a. Automation Architecture - Component Document
 - b. Lifecycle Process and Workflow Diagram
 - i. Day 0, Day 1 and/ or Day 2 specific as applicable
 - c. End to end automation orchestration - service chaining flow diagram
3. Community Validation Results
 - a. Automation Deployment and Operations Playbook
 - b. Open Automation SW Lab Validation Results
 - c. Member Field Trial Validation Results
4. Member sponsored Case Studies that quantify user experience, business agility, and / or operational efficiency improvements

Schedule and Milestones

Business Use Case 1: Cross domain (i.e. CPES, access, core, backbone) L2/L3 VPN provisioning

Deliverables	Timeline
Business Use Case Defined	October 2020
Automation Design Complete	December 2020
Automation Validated	April 2021
Case Study	June 2021

Additional Business Use Cases: To be determined by the co-chairs based on group membership needs and priorities

6. DELIVERABLE LICENSING POLICIES

Contributions to Deliverables and any license to use the Deliverable upon its finalization are governed by TIP's Organizational Documents which may be accessed at <https://telecominfraproject.com/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
1	Business Use Case Artifacts, Modular Automation Design Artifacts, and Case Studies	Document IPR Policy	Version(s) by consensus of the SG. Final approval by Technical Committee
2	Community Validation Reports	Document IPR Policy	Version(s) by consensus of the SG. Final approval by Technical Committee

7. INITIAL PROJECT CHAMPIONS

- Telecom Argentina
- Entel Chile
- Facebook
- Atrinet
- Frinx
- GigaMonster

8. CHAIR AND(OR) CO-CHAIR OF PROJECT GROUP

CO-CHAIRS

- Arjan Eeken, Vodafone NL
- Lloyd Mphahlele, MTN

9. PROJECT GROUP MEMBERSHIP

A TIP Participant who wishes to participate in this PG must have its TIP Authorized Representative submit an application at <https://member.telecominfraproject.com/get-started>. The TIP Authorized Representative is the individual identified in the applicable Participant's General Participation Agreement.

No Participant shall be a participant of this PG until and unless TIP notifies the applicable Authorized Representative in writing that the application submitted by such Authorized Representative has been approved by TIP.

Collaboration and Cooperation

The group will collaborate directly with the Open Automation Software Lab PG(s) to validate automations designs through implementation, testing, and plugfests.

The group will collaborate via liaison agreements with other industry groups related to network deployment, management, operations and automation technologies.

The group may collaborate via liaison agreements with other industry groups working on network management automation technologies, such as,

- TMForum (<https://www.tmforum.org/>): Target architectures, API specifications, process frameworks
- ORAN Alliance (<https://www.o-ran.org/>): RAN specifications, APIs and data models
- ONAP (<https://onap.org/>): Schemas and Software components

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.

ACCEPTANCE

Contact Name

Contact Title

Email Address

Telephone Number (Include Country Code)

Company Name

Company Address, City, State, Country, Postal Code

Company Web Page URL

Primary services or products the company provides

Signature

Date

Signed by (print name)