



TIP Update

ONF Open Broadband Meetup

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Recap: what is TIP?

Together We Build, Test & Deploy





WHAT IS TIP?

The Telecom Infra Project (TIP) is a global community of companies and organizations working together to accelerate the development and deployment of open, disaggregated, and standards-based technology solutions that deliver the high quality connectivity that the world needs – now and in the decades to come.



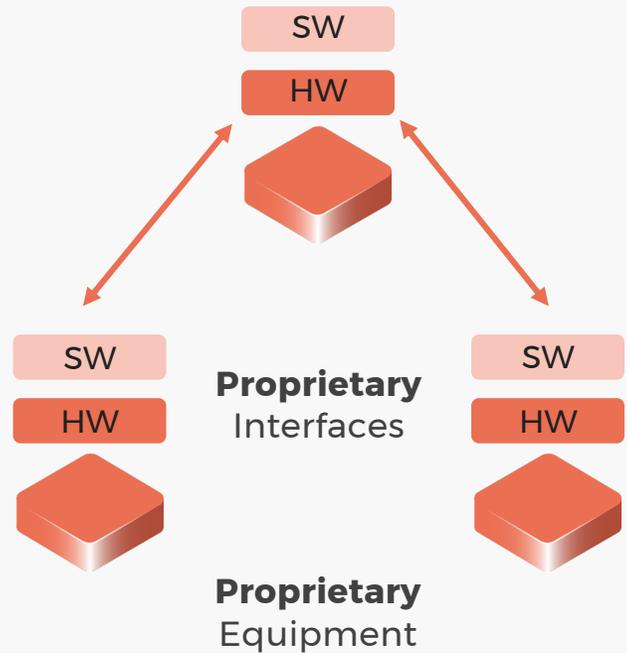
Together We Build, Test & Deploy.

Why does TIP exist?

CHALLENGES: Lack of Flexibility & Innovation; Vendor “Lock-in”

FROM

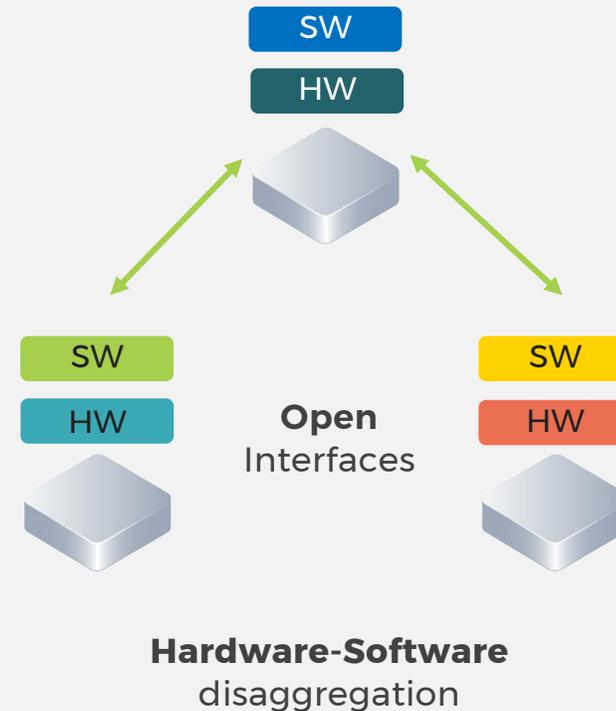
Single-vendor, fully integrated networks



SOLUTION: Open, Disaggregated Networks

TO

Multi-vendor, open, disaggregated networks

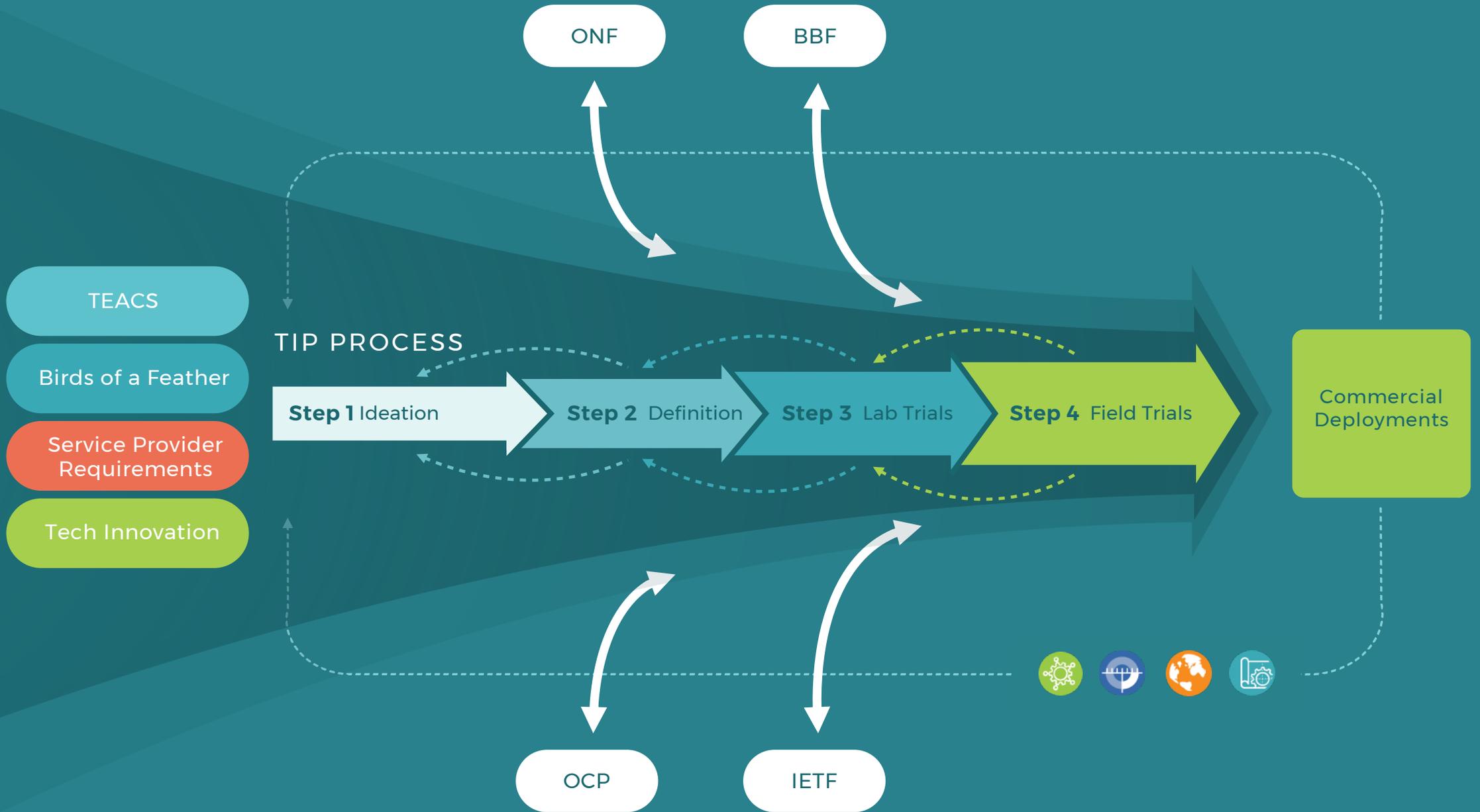


New supplier business models

Accelerate innovation in connectivity

Improve network economics

How does TIP work?



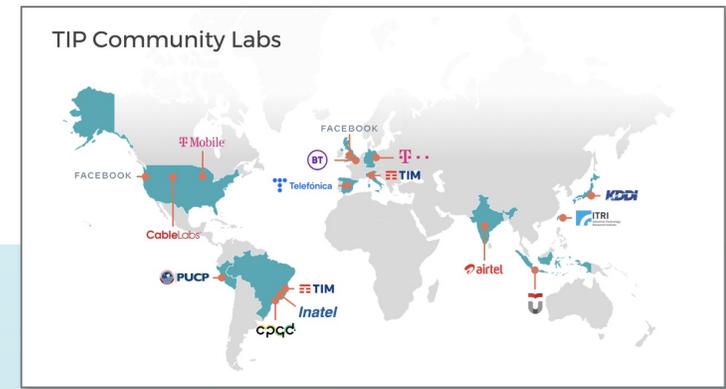


What's new at TIP?

Together We Build, Test & Deploy



1. Doubling down on test and validation



Connect.
Build.

TIP Exchange brings together the ecosystem to drive new connectivity solutions to market.

0. TIP members collaborate to develop technical requirements

1. Suppliers submit their response to the technical requirements

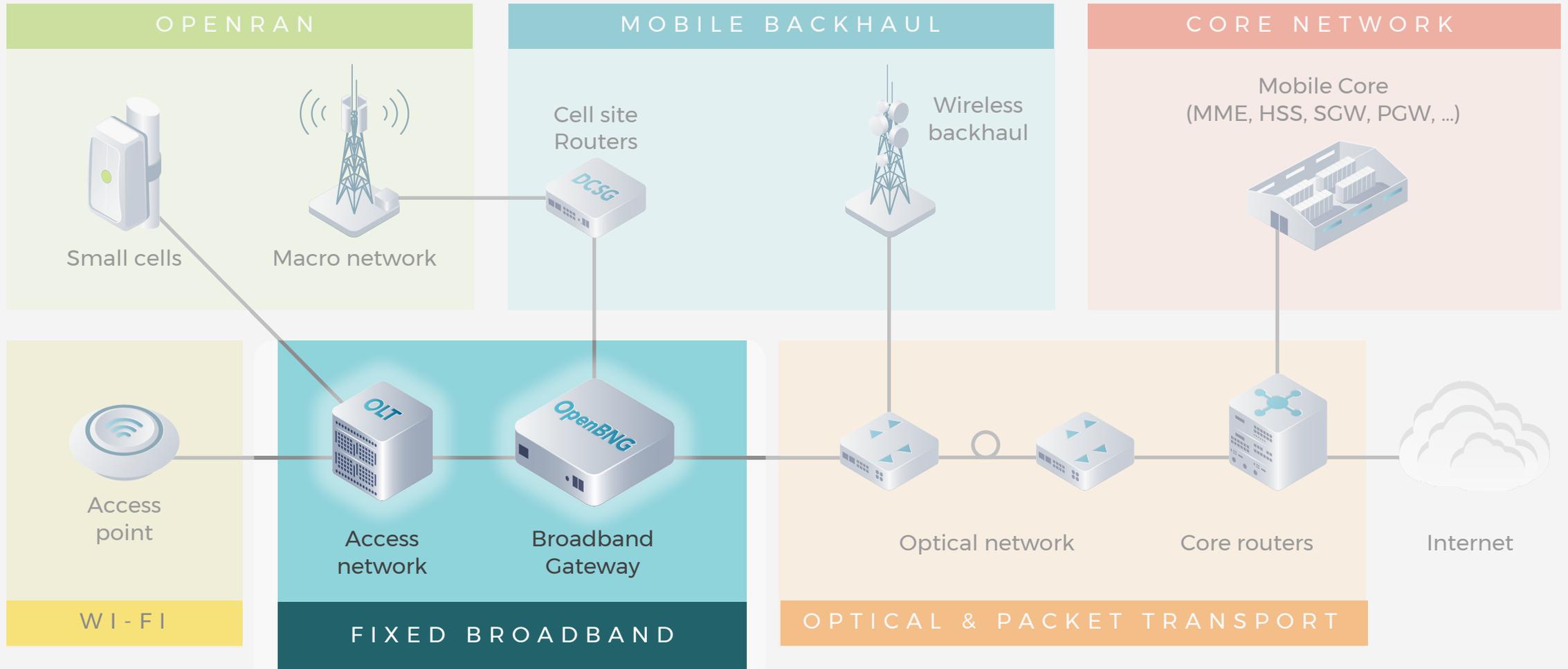
Compliant products are eligible to be listed on TIP exchange website

2. TIP members develop test plans that validate products and solutions against the technical requirements

Collaborative testing in controlled lab environments and TIP badge awards



2. TIP members have been working systematically to disaggregate their entire networks, but until now one piece has been missing...



Introducing OpenBNG...

Open and disaggregated HW and SW

- Build BNG products based on merchant silicon hardware



- Disaggregate HW from SW and align both behind a common set of requirements

A modular and flexible approach

- Enable a wide range of different use cases that address real world scenarios



- Align with open standards that promote interoperability between different network layers

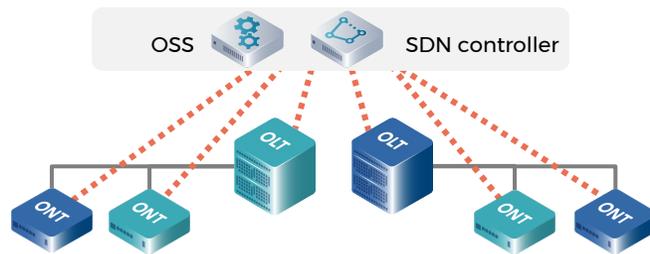
Create a healthy supplier ecosystem that enables multi-vendor networks

Enable multiple deployment scenarios and accelerate innovation

Introducing Open Fixed Access Networks...

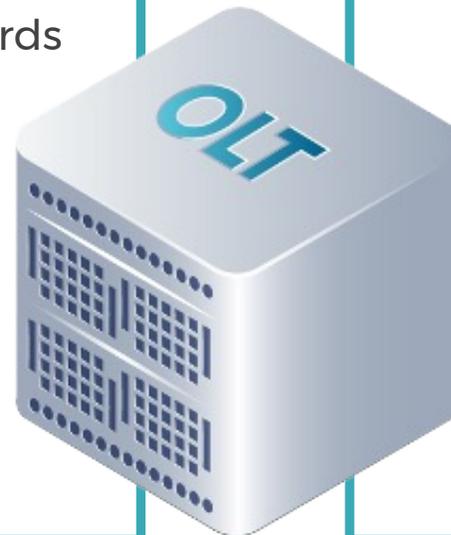
Open and disaggregated HW and SW

- Build fixed access products based on mature, open and interoperable standards



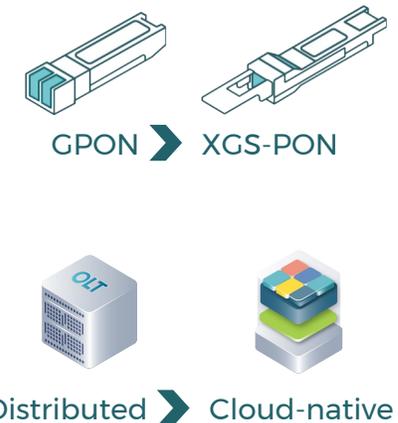
- Enable operators to build diverse, heterogeneous networks

Improve vendor choice and supply chain diversity across all network elements



Accelerate innovation

- Accelerate the adoption of modern technologies that will ease transition towards >10G PON and cloud-native architectures



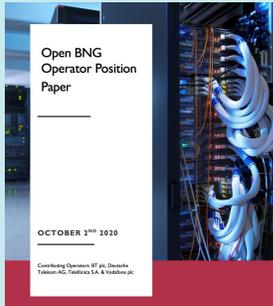
Develop relevant, 'right size' solutions that make operations more efficient

Where are we now?



Open BNG

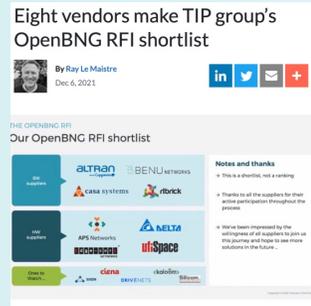
Oct 2020
White paper



Jun 2021
High-level TRD



Dec 2021
OpenBNG RFI



Apr 2022

OpenBNG detailed technical requirements published

Now

- Working towards collaborative evaluation of suppliers shortlisted during RFI
- Focus will be on demonstrating capability and architectures, and assessing technical compliance

IDEATE

DEFINE and BUILD

TEST and DEPLOY



Fixed access



May 2022
Use cases defined

Now

- Producing technical requirements for whitebox OLT and associated NOS/SW components
- Supplier engagements and more to follow through 2022



How can I find out more?



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<https://telecominfraproject.com/fixed-broadband>