i14y Lab

Accelerating time to market for disaggregation together

The i14y Lab will accelerate market readiness of disaggregated components through access to key European operators and Open RAN communities and by providing a highly flexible, up-to-date, automated test environment for E2E disaggregated networks. We use setups that are:

- permanent: standardized testing based on reference architecture agreed between operators,
- temporary: setups for events such as plugfests,
- on demand: fulfilling specific needs.

The i14y Lab will reduce the effort and hence the costs for all players in making disaggregated network components market ready. Because disaggregation can only work, if we work together. #opentogether

i14y brings together

- **3 operators:** Deutsche Telekom, Telefónica and Vodafone
- **3 vendors:** Capgemini Engineering, Nokia and Rohde & Schwarz
- **3 SMEs:** BISDN, EANTC and highstreet technologies
- **2 academic institutions:** Fraunhofer HHI and Technical University Berlin
- **and the German Ministry for Digital and Transport**

i14y LAB

The i14y Lab will give companies of all sizes quick and easy access to permanent, standardized test setups based on a reference architecture agreed upon by the three major European operators - Deutsche Telekom, Telefónica and Vodafone, which are part of the i14y Lab consortium. Furthermore, O-RAN test specifications and relevant TIP test plans as well as TIP | MoU Group priority requirements will evolve with the needs of the reference architecture and allow for continuous testing.

These testing abilities and the test results will reduce the transaction costs associated with such products and facilitate market readiness, thus lowering the entry barrier for all players in the ecosystem. We hope that more operators will join us in defining and adapting the reference architecture, so that components can be made fit for market through regular and continuous testing.

We are building a future-proof lab with a modular and expandable structure that also offers temporary, and on-demand test set ups. Its service-oriented architecture based on the principles of a Lab as a Service (LaaS) will make the resources available for testing on-site and remotely.

Temporary setups will be mostly used for events like the recent Joint European O-RAN and TIP Plugfest Fall 2022. Here we have shown our ability to conduct a high volume of tests. It was not the first PlugFest at our lab, and we are looking forward to facilitating more this year.

Interoperability is not only in our name, but openness and sharing are in our DNA. We are also in close collaboration with ecosystem initiatives such as O-RAN ALLIANCE, TIP, OCP and ONAP.

We firmly believe that the future of networks is disaggregated, which by itself calls for collaboration. We want to make this open lab the entry point for discussions and activities towards commercial deployment. Come and join us in Berlin, we are open! #opentogether

The i14y Lab is the open lab for interoperability testing of disaggregated telco systems, such as Open RAN, led by Deutsche Telekom and operated by a consortium of strong partners, with funding support from the German Ministry of Digital and Transport (BMDV).

Contact:
communication@i14y-lab.com
Connect with us on: