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i14y Lab

Accelerating time to market
for disaggregation

The i14y Lab is going to accelerate market readiness of disaggregated components through access to key European operators and Open RAN communities. By providing a highly flexible, up-to-date, automated test environment for E2E disaggregated networks, i14y can support different service setups:

- permanent: standardized testing to enable certification & badging as well as pre-qualification
- temporary: setups for events such as the O-RAN ALLIANCE PlugFest series, or
- on demand: fulfilling your specific testing needs

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

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**





The i14y Lab gives companies of all sizes quick and easy access to permanent, standardized test setups based on a reference architecture agreed upon by three major European operators - Deutsche Telekom, Telefónica and Vodafone, which are part of the i14y Lab consortium.

O-RAN test specifications and relevant TIP test plans as well as TIP | MoU Group priority requirements are validated here. The implemented i14y reference architecture allows for building out permanent testing capabilities.

Subsequently, aligned and more informed testing abilities are going to reduce the transaction costs associated with such products and facilitate market readiness, thus lowering the entry barrier for all players. We envisage 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 remain a cornerstone of i14y Lab, used for events like the recent O-RAN Global

PlugFest 2023 series. With these we continue to show our ability to conduct a high volume of tests scenarios and are looking forward to facilitating more going forward.

Interoperability is in our name, and so are openness and sharing in our DNA. We are therefore in close collaboration with ecosystem initiatives such as O-RAN ALLIANCE, TIP, OCP and ONAP.

We believe the future of networks is disaggregated. We want to make i14y the entry point for activities towards commercial deployment. Come and join us in Berlin and let us be #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 Federal Ministry of Digital and Transport (BMDV).

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Connect with us on:

