



## i14y Lab

For testing, validation, and integration of disaggregated networks

We accelerate time to market for multi-vendor open RAN solutions. We do this by creating and providing a vendor-independent environment to promote the development of an innovative, open, and interoperable telco ecosystem.

Common standards and common reference implementations create a space where even smaller and new companies wanting to bring their innovations to the telco ecosystem can test their modules in an end-to-end environment.

### Key facts

- Consortium of 11 partners, partly funded by the German Ministry for Digital and Transport
- Cooperating operators: Telefónica, Vodafone, and Deutsche Telekom
- Automated test infrastructure and reference implementations for end-to-end testing
- Support for O-RAN ALLIANCE, TIP test and validation programs, and small-vendor dedicated tests
- Cost minimization for companies to run tests and integration in the end-to-end environment
- Looking for more operators to join to create even broader reference configurations



Capgemini engineering



EANTC  
EUROPEAN ADVANCED NETWORKING TEST CENTER

Fraunhofer  
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Make ideas real



Funded by:



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vodafone

on the basis of a decision  
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The i14y Lab wants to lower the market-entry barrier for companies that want to provide modular solutions to the telecommunications ecosystem. It is an open lab led and hosted by Deutsche Telekom – operated by a consortium of partners providing infrastructure and support for testing and integrating the components of open, disaggregated networks to the wider community working on this topic.

The future of telco will be built on open, disaggregated, and softwarized infrastructure supported by AI/ ML. This means enabling even small companies and new companies to provide modular solutions to the telecommunications eco-system.

The i14y Lab provides reference implementations, agreed between different operators, where the companies can test their own modules to see if they work in the end-to-end environment. This approach aims to minimize the cost for the companies to run tests and integration.

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We believe in openness, interoperability, inspiration, collaboration, and sharing! That is why we have built a future-proof lab with a modular and expandable structure. Its service-oriented architecture, based on the idea of a lab as a service (LaaS), will make the resources of the lab available as an API.

In the i14y Lab, our partner operators, Vodafone, Telefónica, and Deutsche Telekom, have agreed on common standards and common reference implementations. That is a very attractive proposal for all companies looking to perform such tests, as they can rely on an agreed set of standards.

This approach will work even better if it is possible to convince even more operators to join the i14y Lab and cooperate on testing and integration, for example through reference implementations. Achieving that goal will further lower the entrance barrier for smaller companies and further accelerate the development of the ecosystem of providers for disaggregated network solutions.

Come talk to us about what we did for the 2021 Joint European O-RAN and TIP Plugfest and how we can help you accelerate the disaggregated future of telecommunications.