

Fujitsu Wins NTIA 5G Challenge Emulation Integration Prize

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Fujitsu was awarded the [5G Challenge](#) Emulation Integration Prize in recognition of the company's contributions to the advancement of 5G plug-and-play interoperability. The National Telecommunications and Information Administration's (NTIA) [Institute for Telecommunication Sciences](#) (ITS) hosted the 5G Challenge in collaboration with the U.S. Department of Defense (DoD). The goal of 5G challenge was to accelerate the pace of innovation and enable economic growth by allowing new entrants to previously closed wireless market.

The 5G Challenge integration prize was awarded for successful completion of emulated integration and functionality testing of the Fujitsu Triple-Band Radio Unit (RU). This emulated integration testing, conducted at CableLabs, involved the following levels using a wrap-around emulator:

- LEVEL 0: Integration into a test emulator
- LEVEL 1: Basic functionality and conformance tests
- LEVEL 2: Interoperability using interface emulation
- LEVEL 3: End-to-end basic performance using emulation.

"Kyrio welcomed the opportunity to host Fujitsu in our labs for NTIA's 5G Challenge testing," said Jason Lauer, vice president of engineering and operations at Kyrio, a wholly owned subsidiary of CableLabs. "It is very important to the success of the growing O-RAN ecosystem to have such a broad range of providers and we appreciate the focus Fujitsu brought to the interoperability testing."

"5G technology cannot reach its true potential without increased innovation and competition," said Greg Manganello, vice head of the mobile systems business unit at Fujitsu. "With our dedication to the advancement of open standards and expertise in multi-vendor interoperability, Fujitsu is paving the way to a more diversified, open ecosystem where 5G networks, and the generations to come, will continue to thrive."

The Fujitsu Triple-Band RUs are an integral part of Fujitsu's overall Open RAN solution comprised of O-RAN-compliant hardware, software and systems integration, built on a history of commercial RAN deployments and a longstanding commitment to open networks.