Active Project List

The following are the projects currently active.

5G PJ

Project period:　　　　August 2018～

In this project, for the purpose of "evaluating the local 5G environment using OSS", we will share with OOL members the knowledge gained from function and performance verification of mobile-related OSS such as RAN and 5GC, and MEC and the orchestrator/controller as the surrounding technologies.

In FY2020, we focused on a stand-alone configuration, which is one of the configurations in 5G, and conducted functional verification using OSS mainly related to 5GC. In addition, we carried out functions and performance evaluations of OSS realizing low-latency processing in MEC, and function evaluations of OSS related to the orchestrator/controller.

In FY2021, we will continue to evaluate mobile-related OSS and focus on visualization from an operational perspective.

In addition, we will construct a set of verification environments connecting RAN, 5GC, MEC, etc., and evaluate the effectiveness of OSS in assumed use cases.

IoT Platform PJ

Project period:　　　　April 2018 to March 2022 (planned)

In this project, we will share the knowledge gained through functional verification and use case studies of OSS IoT platform with the community and OOL members for the purpose of "promoting data utilization".

In FY2020, we conducted use case verification to evaluate the issues and usefulness of Meteoroid developed by OOL in FY2019 which integrates and manages FIWARE and Function as a Service and conducted activities for improvement of issues obtained through use case verification.

In FY2021, we will conduct functional surveys of new IoT platforms and investigate and verify tools that enable easy visualization and analysis of data accumulated by FIWARE.

Databed PJ

Project period: **August 2018～**

We aim to make this project function as a "place" for OOL members and companies in Okinawa prefecture to realize verification themes such as big data, IoT, AI, etc., and the concepts they want to realize.

Testbed PJ

Project period: **March 2014～**

Okinawa Open Laboratory prepares a testbed environment of tens of servers as a common foundation for research and development activities, and uses it for the development and verification for each research project. In addition, we use it for demonstration experiments in use case research, hands-on for various seminars, demonstrations and showcases for exhibitions, etc., and we are also working on the construction, improvement, and addition of functions of the testbed environment itself as one project.