

## O-RAN Alliance Shows up in MWC Shanghai with Series of Events

- The O-RAN Alliance holding “O-RAN Industry Forum” symposium on June 25, 2019
- Themed sessions on RAN “Intelligence” and “Openness”
- Six Proof of Concepts showcasing the O-RAN Alliance latest progress

**Shanghai/China, June 24, 2019** – O-RAN Alliance announced today a series of key events during MWC Shanghai.

The O-RAN Alliance continues its commitment to the development of open specifications and proof-of-concepts (POCs). In MWC Shanghai, O-RAN Alliance members will be showcasing six POCs.

The first demo, “**O-RAN aligned RAN Intelligent Controller (RIC) for Load Balancing,**” showcases predictive load balancing using Smart Radio Fingerprint technology that provides opportunities for interoperability using O-RAN architecture interfaces and established industry elements. The solution enables the accurate redirection of UE attachment, optimized load balancing, and improved user experience.

The second demo, “**AI empowered User Quality of Experience (QoE) via RIC,**” showcases predictive user QoE enabled by machine learning micro services chained together to autonomously recognize traffic types in real-time, predict quality and provide closed-loop controls with network condition awareness, resulting in a consistent, high-quality 5G user experience.

The third demo, “**AI powered SON based on O-RAN architecture,**” showcases automatic and dynamic configuration optimization through cell splitting and cell merging. The solution leverages AI/ML technology to provide closed loop network automation leading to significantly reduced manual operations.

The fourth demo, “**Configuration and Orchestration of the O-RAN framework,**” showcases the integration of the 5G RAN with an orchestration framework enabling operational flexibility and efficiency at a significant reduction in operational expense.

The fifth demo, “**Sub 6GHz Open -reference design hardware,**” showcases a live demo of white-box hardware supporting sub 6GHz indoor coverage deployment scenarios for both 4G and 5G. RAN hardware disaggregation, coupled with an open hardware reference design, enables flexible deployment options at a significant reduction in capital expense.

The sixth demo, “**Open Software for 5G NR RAN,**” showcases Open Centralized Unit (O-CU) and Open Distributed Unit (O-DU) software running on general-purpose hardware enabling a 5G NR sub-6 GHz small cell in Standalone (SA) Mode. RAN software disaggregation coupled with open software modules enable flexible deployment options at a significant reduction in capital expense.

As a key part of O-RAN milestone events during MWC Shanghai, the O-RAN Alliance will hold its third symposium on June 25. Entitled “**O-RAN Industry Forum**”, the event, with themed sessions on “Intelligence” and “Open” respectively, will feature keynote speeches from industry think tanks, O-RAN Alliance members and close industry partners. It is expected to have around 150 attendees and will present the latest progress from the O-RAN Alliance, collaboration with industry organizations, as well as new perspectives and viewpoints from invited speakers.

### **About O-RAN Alliance**

The ORAN Alliance is a world-wide, carrier-led effort to drive new levels of openness in the radio access network of next generation wireless systems. Future RANs will be built on a foundation of virtualized network elements, white-box hardware and standardized interfaces that fully embrace O-RAN’s core principles of intelligence and openness. An ecosystem of innovative new products is already emerging that will form the underpinnings of the multi-vendor, interoperable, autonomous RAN, envisioned by many in the past, but only now enabled by the global industry-wide vision, commitment and leadership of O-RAN Alliance members and contributors. More information about O-RAN can be found at [www.o-ran.org](http://www.o-ran.org).

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