

## Japan OTIC issues O-RAN End-to-End Badge

- Facilitating the adoption of Open RAN networks that comply with the O-RAN specifications by multiple vendors -

Japan OTIC (\*1) has issued an O-RAN E2E Badge (\*3) that certifies compliance of a combination of 5G base station equipment from different vendors with O-RAN End-to-End (E2E) specifications established by O-RAN ALLIANCE (\*2), an international Open RAN standards promotion organization. This is the world's first E2E Badge for the Non Stand Alone (NSA) system, which links 5G base stations to the 4G core network (\*4).

Certification and Badging by Japan OTIC is expected to expand adoption and entry opportunities for equipment vendors, and enhance functions and shorten development and introduction periods for communications services, thereby contributing to the realization of a more open, more reliable, and more secure 5G communication society not only in Japan but also globally.

### Outline of the O-RAN E2E Badge

Certification/ Badge Type; Certification/ Badge ID	Radio Access Technology under test	Device under test	Vendor name	Model name
E2E Badge; JPOT240001	5G NR	O-RU	NEC Corporation	MB5420-m5770
	5G NR	O-DU	SW: Rakuten Symphony / HW:	BareBone S5I 2U
	5G NR	O-CU		BareBone D52BQ 2U
	4G LTE	O-eNB DU	Quanta Cloud Technology	BareBone D52BE 2U
	4G LTE	O-eNB CU		BareBone D52BE 2U

**\*1 Japan OTIC:** By General Incorporated Association YRP (Yokosuka Research Park) R&D Promotion Committee, NTT DOCOMO, INC., KDDI CORPORATION, SoftBank Corp., and Rakuten Mobile, Inc., it was established in Yokosuka City in December 2022 and is in operation for testing and certification based on the international standards stipulated by the O-RAN ALLIANCE. <https://japan-otic.jp/>

In establishing and operating Japan OTIC, knowledge of R&D and surveys\* conducted by the Ministry of Internal Affairs and Communications is utilized.

\*FY2022 Technical Examination Service Concerning Frequency Crowding: "Technical study for improving interoperability of multi-vendor base stations using open standards", and others.

**\*2 O-RAN ALLIANCE:** It was established with the aim of building next-generation open and advanced wireless access networks including 5G. At present, 32 mobile network operators\*, and vendors and others around the world, a total of 297 companies\*, participate and contribute

to develop interoperable specifications for open, virtualized, and intelligent radio access networks. \*From the O-RAN ALLIANCE website (as of January 10, 2024)

**\*3 O-RAN E2E Badge:** It is one of the Certification and Badging conducted by OTIC. Based on the O-RAN specifications, it certifies that a combination of 5G base station equipment (RU, DU, and CU) meets end-to-end minimum requirements in terms of functionality and security.

**\*4** According to research by YRP R&D Promotion Committee (as of January 10, 2024).

■ **Inquiries about this press release** ■

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