



# Open RAN in context of future networks

BEREC Workshop on Open RAN

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# Networks of the future



More important than ever that networks can be trusted and relied upon. The networks of the future will therefore need to be increasingly:

Resilient

Open

Sustainable

Intelligent

Unwavering focus on performance and cost effectiveness for our customers

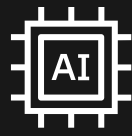
# Key elements of Open RAN



## Cloudification

Hardware and software disaggregation

RAN applications as cloud-native functions (CNFs)



## Intelligence and automation

Open management and orchestration

RAN automation and external AI/ML capabilities



## Open RAN interfaces

Interfaces defined by 3GPP:

- 5G NSA and SA interfaces

New interfaces:

- O-RAN open fronthaul (LLS)
- Management and Automation

Offering:

- Cloud RAN portfolio

Offering:

- Intelligent Automation Platform

Ericsson plans:

- Support all the 3GPP interfaces and the O-RAN automation interfaces.
- Ericsson currently does not support O-RAN open fronthaul due to performance limitations.
- Contributing to O-LLS specification evolution



# What we are doing in Open RAN



Invest in portfolio with Cloud RAN and Intelligent Automation Platform

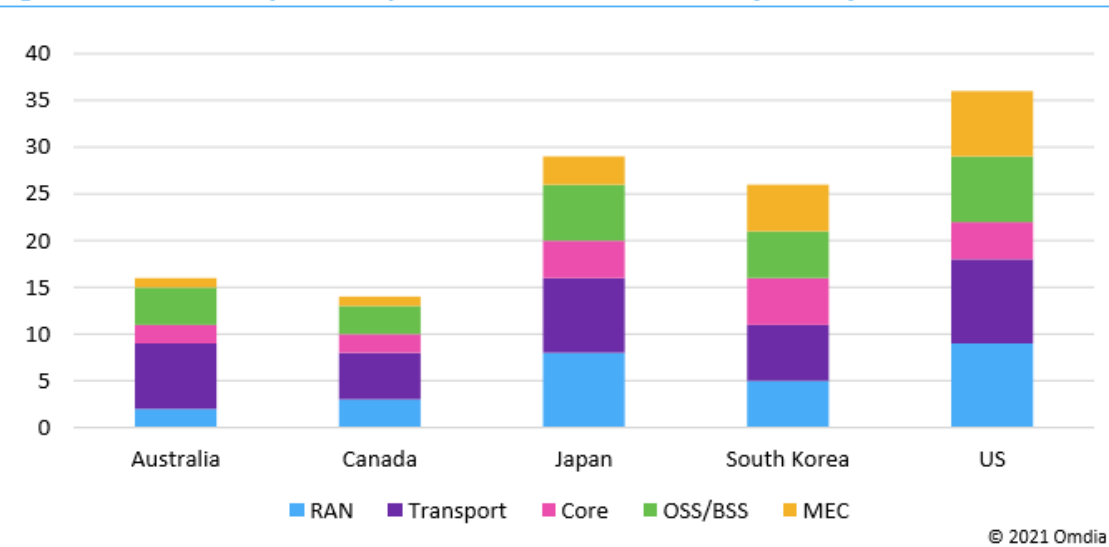
A leading contributor in O-RAN Alliance

Contribute to O-RAN specifications and continue driving the evolution of one global set of standards

# 5G supply side - vendor choice & diversity of suppliers



Figure 2: Active vendor partnerships in commercial 5G networks by country and domain



Source: Omdia

Table 1: Examples of current 5G network solution suppliers

RAN	Transport	Core	OSS/BSS	Edge
Airspan	Adtran	Affirmed	Amdocs	Amazon
Altistar	Airspan/Mimosa	Casa	Cerillion	Dell
Casa Systems	Aviat Networks	Cisco	Cisco	Google
Commscope	Ceragon	Ericsson	Comarch	Huawei
Corning	Ciena	HPE	CSG	Intel
Ericsson	Cisco	Huawei	Ericsson	Microsoft
Fujitsu	Commscope	Mavenir	HPE	QTC
Huawei	DragonWave-X	Microsoft/(Metaswitch)	Huawei	Radisys
Nokia	Ericsson	NEC	NEC/Netcracker	Red Hat (IBM)
Mavenir	Huawei	Nokia	Nokia	
NEC	Juniper	Oracle	Openet	
Parallel Wireless	Nokia	Samsung	Optiva	
Samsung	Siklu	ZTE	Sigma Systems	
ZTE	ZTE		ZTE	

Source: Omdia

When discussing network vendor options, market share is often cited as a measure of breadth of choice. It should not be. Market share reflects the results of operator selection process, not the number of vendors it considered before making the selection.



<https://www.ericsson.com/en/ran>