

# Outline of the Quad Open RAN Security Report

- As a response to the growing interest in the security of Open RAN, this 160-page report analyzes **the advantages, challenges and possibilities of overcoming challenges of Open RAN** compared to traditional RAN through **objective research and analysis including technical demonstration**.
- Released as one of the outcomes of the Quad on May 2023, based on the “Memorandum of Cooperation on 5G Supplier Diversification and Open RAN” of the **Quad Critical and Emerging Technology Working Group**.

## <Advantages, challenges and possibilities of overcoming challenges of Open RAN>

Advantages	Security	<b>Easier risk management</b> due to improved transparency, etc.
	Others	<b>Reduction of supply chain risk and avoidance of vendor lock-in</b> due to reduced dependence on specific suppliers, etc.
Challenges	<b>Approximately 4% of security risks analyzed in this report are unique to Open RAN</b> (i.e., not also present in traditional RAN), based on inclusion of new interfaces/components.	
Possibilities of overcoming challenges	Possible to <b>reduce risks</b> unique to Open RAN and achieve <b>security level equivalent to traditional RAN</b> , by meeting the security requirement in standards and <b>the checklist attached to this report</b> . Note: Security of Open RAN can be further enhanced by activating optional security procedures.	



Cover of the report which was published as an outcome of Quad

➡ **Use of Open RAN does not fundamentally alter the security risk landscape for telecommunications, compared to traditional RAN**, given the objective analysis as above of the advantages, challenges and possibilities of overcoming challenges.