



O-RAN ALLIANCE Overview

October 2026

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O-RAN ALLIANCE Foundation in 2018

O-RAN ALLIANCE has been established as a German entity in August 2018

Merging C-RAN Alliance and X-RAN Foundation

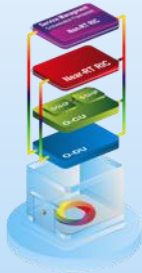


5 founding Members

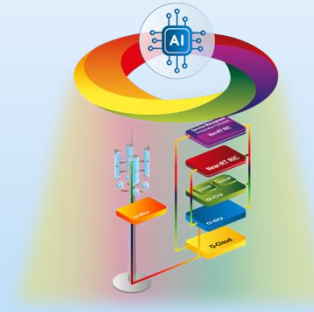


O-RAN ALLIANCE Mission

Open



Intelligent

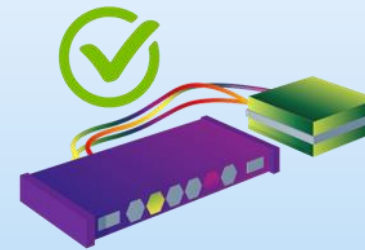


Virtualized



Transform
Radio Access
Networks to
be...

Interoperable



The diagram features a central light blue circle with the text "Diverse community". Surrounding this central circle are 14 smaller, overlapping circles, each containing the name of a stakeholder group. The groups are arranged in a ring around the center, with some overlapping each other. The colors of the surrounding circles are: Academia (light blue), Application developers (light green), Chipset makers (light orange), Cloud providers (light yellow), Government agencies (light purple), Hyperscalers (light pink), Network Equipment Manufacturers (light blue), Operators (light green), Research institutes (light orange), Security (light yellow), Service providers (light purple), System integrators (light pink), Test and measurements (light blue), Test labs (light green), and Transport networks (light orange).

- Academia
- Application developers
- Chipset makers
- Cloud providers
- Government agencies
- Hyperscalers
- Network Equipment Manufacturers
- Operators
- Research institutes
- Security
- Service providers
- System integrators
- Test and measurements
- Test labs
- Transport networks

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Membership Values

**Influence the
directions of open
and intelligent RAN**

**Work with other
companies and
organizations across
the global O-RAN
ecosystem**

**Understand
O-RAN and its role in
the industry**

**Prestigious
recognition as a
member of the
O-RAN ALLIANCE**

Membership Benefits

O-RAN's emphasis on openness is reflected in its setup as an open technical organization, in accordance with the WTO principles for international standards development.



Contribute and Shape Open and Intelligent RAN

All Members and Participants are entitled (encouraged!) to contribute to specification efforts towards open, disaggregated and AI RAN, to propose new activities or amendments to existing activities.



Meeting the RAN Industry Ecosystem

[O-RAN membership base](#) represents a diverse community of companies or research and academic institutions, and government agencies. Members and Contributors can meet and cooperate within the global RAN industry ecosystem.



Open Participation in any Work Group or Focus Group

Members and Contributors may join any Work Group or Focus Group and participate in the definition of requirements and specifications. O-RAN Work Groups and Focus Groups are co-chaired by both Members and Contributors. All co-chairs have the voting right at the Technical Steering Committee.



Free Access to O-RAN F2F Meetings

All experts of Members and Participants are welcome to attend O-RAN ALLIANCE face-to-face meetings, sponsored by the O-RAN ALLIANCE. All O-RAN groups meet three times per year (Asia, Europe and Americas). Members and Contributors can meet in person, which boosts the progress of O-RAN ALLIANCE efforts.



Early Access to O-RAN Specifications

All approved O-RAN ALLIANCE specifications are available to interested public. Members and contributors get access to all materials in Work Groups and Focus Groups, including work in progress and history of their versions and contributions. Members and Contributors can progress with their implementations before the specifications are released to public.

Membership Benefits



Access to Testing and Integration at O-RAN PlugFests

At the [O-RAN PlugFests](#), Members and Contributors can perform interoperability testing and integration of their implementations with other Members and Contributors. O-RAN PlugFests are co-sponsored by the O-RAN ALLIANCE. Participating Members and Contributors are presented in O-RAN public communication and the O-RAN [PlugFest Virtual Showcase](#).



Join World-Wide Community of OTICs

Open Testing and Integration Centres (OTICs) are vendor-independent, open and qualified labs approved by the O-RAN ALLIANCE authorized to issue awards in the O-RAN Certification and Badging Program. Members and Contributors can work with OTICs on testing, integration and certification of their solutions.



Promote Operator's Best Practices

Insights from real-world O-RAN deployments and operations provide valuable guidance to other companies in the O-RAN ecosystem, helping them initiate and advance their own open and intelligent RAN implementations.



Promote O-RAN Trials or Deployments in the O-RAN Map

[O-RAN Map](#) tracks trials and deployments of O-RAN based technology and solutions announced by Mobile Network Operators. Members and Contributors may be promoted in announcements listed on the map.



Access to Certification and Badging of O-RAN Products

[O-RAN Certification and Badging Program](#) ensures that operators can deploy products at scale and with confidence. O-RAN Members and Contributors can apply for certification to promote their O-RAN products or solutions. O-RAN certificates and badges are issued by accredited Open Testing and Integration Centres ([OTICs](#)).



Promote Products and Solutions at O-RAN Virtual Exhibition

[O-RAN Virtual Exhibition](#) is a unique platform that allows O-RAN Members and Contributors to promote their O-RAN products and solutions. The platform is sponsored by O-RAN ALLIANCE. O-RAN Virtual Exhibition is regularly updated to complement major industry exhibitions.



Contribute to Open Software for the RAN

The [O-RAN Software Community](#) (O-RAN SC) and other communities under the [Linux Foundation Networking](#) develop open software, supporting the O-RAN ecosystem in development, testing and integration of O-RAN products and solutions. Members and Contributors are welcome to join and contribute to the open software development.

Membership Structure O-RAN ALLIANCE

O-RAN ALLIANCE offers a tiered membership structure to enable a diversity of organizations to participate

Membership categories:

- **Members** are mobile network operators and strong advocates of the O-RAN ALLIANCE's goals and objectives
- **Contributors** are organizations developing products and solutions to be deployed by Members. Divided by size:
 - Contributors
 - Small & Medium Enterprise (SME) Contributors
 - Start-up Contributors
- **Academic Contributors** are research or academic institutions or other non-profit organizations that bring new ideas and add value to O-RAN ALLIANCE and its efforts

O-RAN membership is subject to yearly fee

For details and O-RAN membership documents visit: <https://www.o-ran.org/membership-info>

Way of Working – Contribution Driven Consensus

O-RAN ALLIANCE efforts are contribution-driven

- Anyone in the community is entitled to contribute, propose new activities or amendments to existing activities

Meetings are essential to discuss the contributions or any topics relevant for the progress

- Face-to-Face meetings of all groups 3-times per year
- Regular online meetings
- Group-specific F2F meetings

Aiming at reaching consensus at all levels

- There is also an option to make a vote

Procedures and collaboration tools supporting the efforts

Main Thrusts to Achieve the O-RAN Mission



O-RAN Specification Effort

O-RAN specifications define open and intelligent RAN, and are available to everyone



Testing, Integration and Certification

O-RAN supports its Members and Contributors in testing, integration and certification of their O-RAN implementations



O-RAN Software Community

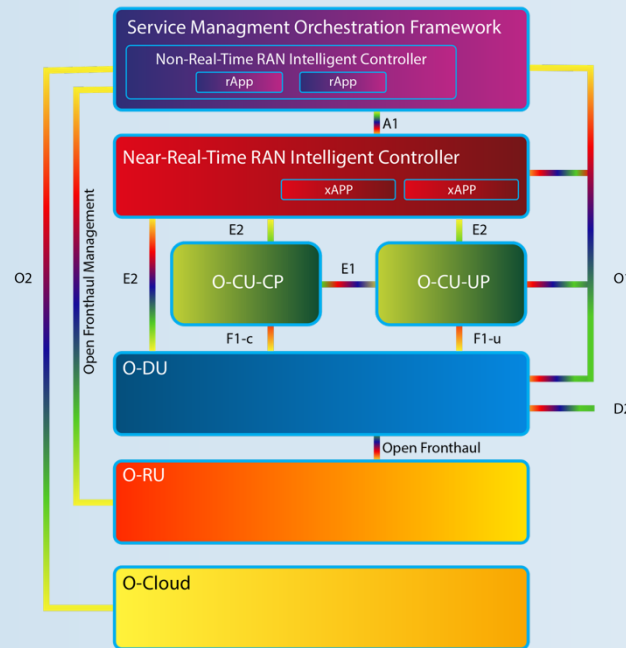
During 2026, the O-RAN Software Community is being migrated under the Linux Foundation Networking



Over 160 O-RAN Specifications to Date

O-RAN specifications set the foundation for telecom industry towards open and intelligent RAN

- Unified basis to develop products and services
- Boosting innovation and competitiveness in the RAN



- Available to anyone at <https://www.o-ran.org/specifications>

Work Groups standardize specific parts of O-RAN Architecture

- WG1: Use Cases and Overall Architecture
- WG2: The Non-Real-Time RIC and A1 Interface
- WG3: The Near-Real-Time RIC and E2 Interface
- WG4: The Open Fronthaul Interfaces
- WG5: The Open F1/W1/E1/X2/Xn Interface
- WG6: The Cloudification and Orchestration
- WG7: The White-box Hardware
- WG8: Stack Reference Design
- WG9: Open X-haul Transport
- WG10: Operations And Maintenance (OAM)
- WG11: Security

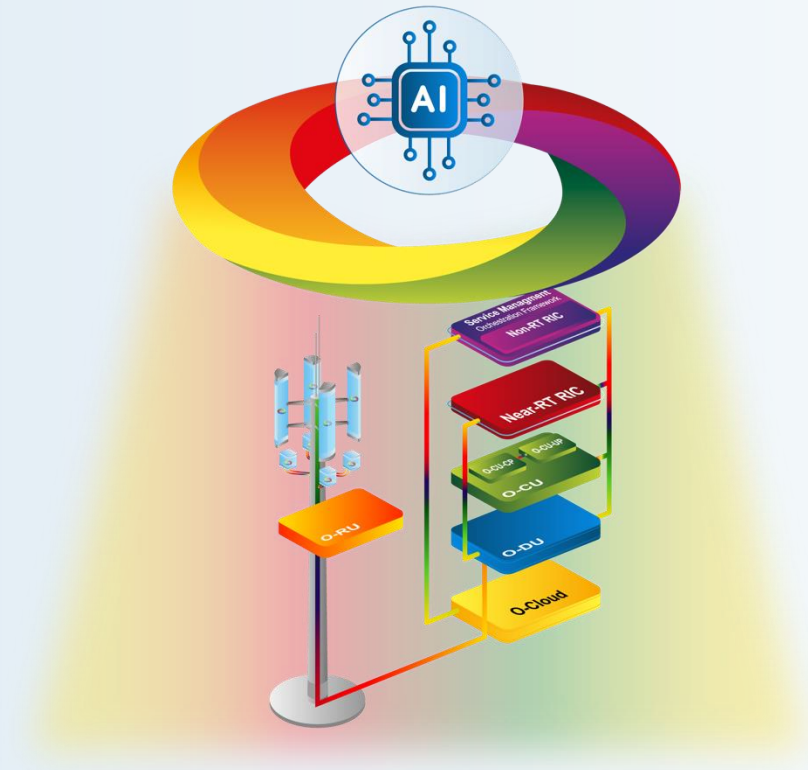
Focus Groups cover over-arching areas

- IIEFG: Industry Engagement Focus Group
- OSFG: Open Source Focus Group
- SDFG: Standard Development Focus Group
- SuFG: Sustainability Focus Group
- TIFG: Testing and Integration Focus Group

O-RAN Sets the Foundation for AI RAN

O-RAN-specified RAN Intelligent Controllers (RICs), hosting rApps and xApps, empower rapid value-capture from AI RAN

- Energy Optimization
- Testing Automation
- Self-Optimizing Networks (SON)
- Predictive Maintenance
- Traffic Steering
- Autonomous Network Operations
- And more



Aligned with the Industry

The O-RAN Architecture and specifications build on common standards and care about alignment with other industry bodies to ensure compatibility and to avoid duplication of work



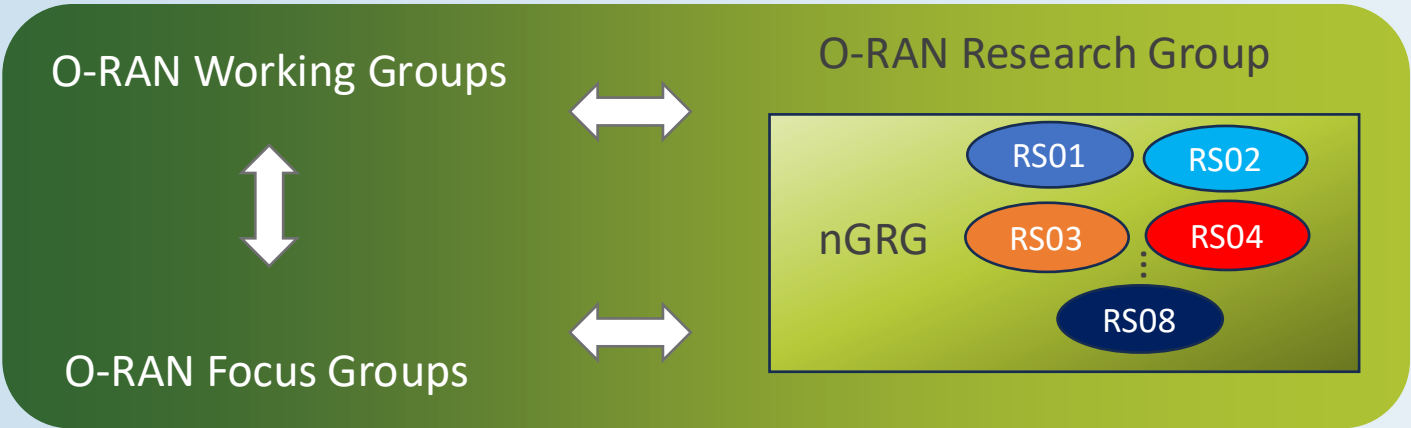
Transposition of O-RAN specifications into national standards with:

- ATIS
- ETSI
- TTA

O-RAN Next Generation Research Group (nGRG)

Next Generation Research Group (nGRG) is a special O-RAN task group to facilitate O-RAN evolution toward 6G and beyond.

nGRG performs high-level impact analysis of potential open, intelligent and virtualized technologies for the 6G time frame, defines research priorities, and reports findings in research reports and white papers.



Research streams

RS01 - 6G use cases and standard gap analysis

RS02 - Architecture towards 6G O-RAN

RS03 - Native AI and cross domain AI

RS04 - Native security

O-RAN Software Community

The O-RAN Software Community (O-RAN SC or OSC) was created in 2018 as a collaboration between the O-RAN ALLIANCE and the Linux Foundation with the mission to support the creation of open software for the RAN, closely aligned with the O-RAN open architecture and specifications.

Over eight years, the O-RAN SC has successfully jumpstarted open source RAN software, supporting the industry in building open and intelligent RAN.

During 2026, the O-RAN SC is being migrated to the Linux Foundation Networking (LFN)

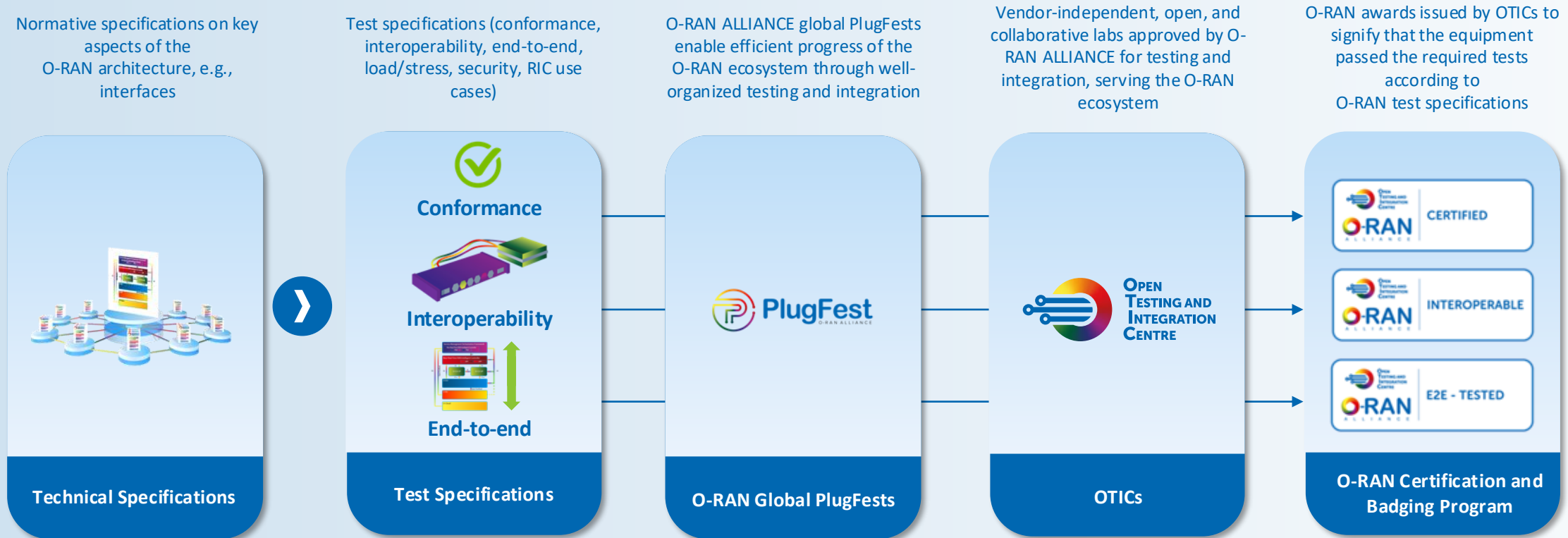
- The full integration of O-RAN SC into LFN enables tighter, more efficient, and more streamlined collaboration with fellow LFN projects under a single, unified governance structure.

Read more about the migration:

- [Press release](#)
- O-RAN SC website: <https://o-ran-sc.org>.

Testing and Integration

O-RAN ALLIANCE supports its Members and Contributors in testing and integration of their O-RAN solutions



O-RAN ALLIANCE Global PlugFests are periodic events enabling efficient testing and integration of O-RAN-based products and services. Vendors, providers and institutions come together to test, evaluate and verify their products and solutions.

12 PlugFests held since 2019

- O-RAN Global PlugFest Spring 2026 concluded in June 2026
- Co-hosted by 13 operators, OTICs, and independent institutions in 9 labs around the world
- 31 participants

PlugFest Virtual Showcase

- Learn about scope and accomplishments made at O-RAN PlugFests



Open Testing and Integration Centres (OTIC)



Vendor-independent, open and qualified labs providing a collaborative, open, and impartial working environment. Approved OTICs are authorized to issue Certificates or Badges in the O-RAN Certification and Badging Program



21 approved OTICs:

- European OTIC in Berlin
- European OTIC in Torino
- Auray OTIC and Security lab
- European OTIC in Paris
- European OTIC in Madrid
- Asia & Pacific OTIC in PRC
- Kyrio O-RAN Test and Integration Lab
- North American OTIC in NYC Metro Area/East (COSMOS)
- Japan OTIC
- Asia & Pacific OTIC in Singapore
- North American OTIC in the Boston Area (Northeastern University)
- North American OTIC in Salt Lake City (POWDER)
- North American OTIC in Central Iowa (ARA)
- North American OTIC in Washington DC/Arlington VA (Virginia Tech)
- North American OTIC at MITRE
- Korea OTIC
- North American OTIC in the Boston Area (UNH-IOL)
- North American OTIC in the Raleigh-Durham Research Triangle Park Area (AERPAW)
- European OTIC in London (Digital Catapult)
- South American OTIC in Campinas at CPQD
- North American OTIC in the Central US Telecom Corridor

[Explore OTICs](#)

O-RAN Certification and Badging Program

Certification and Badging of O-RAN solutions represents a comprehensive mechanism ensuring confidence in O-RAN solutions

Certificates and Badges of O-RAN solutions are issued by Open Testing and Integration Centres (OTIC)



Learn more about the O-RAN Certification and Badging program on our [website](#)

O-RAN Virtual Exhibition

Showcasing technology and solutions developed by companies based on O-RAN specifications



O-RAN Map

Explore O-RAN Trials, Deployments,
PlugFests and OTICs in the World

Explore O-RAN Map

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Join us and collaborate with companies from around the world on shaping open and intelligent RAN: www.o-ran.org/membership

