



ITU REGIONAL DEVELOPMENT FORUM FOR THE AMERICAS (RDF-AMS-26)

**Universal, meaningful, and affordable connectivity for
an inclusive and sustainable digital future**

16 and 17 June 2026 | Cartagena de Indias, Colombia

<http://itu.int/go/RDF-AMS-26>

CONTRIBUTION FORM

This form is intended to collect inputs from stakeholders contributing to the implementation of the Baku Action Plan and the ITU Regional Initiatives for the Americas (2026-2029).

ORGANIZATION: Commission of Communications Regulation of Colombia

FOCAL POINT: Mariana Sarmiento Argüello, mariana.sarmiento@ccrc.gov.co

TITLE: Prospective Analysis of Non-Terrestrial Networks (NTN) in Colombia

DESCRIPTION OF ACTION:

The evolution of access network technologies has led to increasing discussions regarding the distinction between fixed and mobile network technologies, particularly in relation to wireless technologies that can be used in both environments, as previously occurred with LTE.

Based on the technology trends monitoring carried out by the Commission for the Regulation of Communications of Colombia, Non-Terrestrial Networks (NTN) have been identified as a technological solution that does not depend on physical infrastructure deployed within the territory and, therefore, as a potential pathway to address deployment barriers in underserved and geographically remote areas, including regions not connected to the national electricity grid, among other challenges.

The Communications Regulation Commission of Colombia considers it essential to undertake an exploratory study that provides the technical evidence needed for forward-looking regulatory decisions. This initiative includes coordinating with the National Spectrum Agency (ANE) and key stakeholders on sandbox trials to prepare a framework that enables NTN deployment, protects consumers, and ensures a competitive ICT market.

The study began in the first quarter of 2026 and conclude in the first quarter of 2027.

COUNTRIES IN FOCUS: COLOMBIA

YEARS of IMPLEMENTATION: [Tick the relevant boxes or delete the irrelevant items]

- ☒ 2026
- ☒ 2027
- ☐ 2028
- ☐ 2029

RELEVANT ITU REGIONAL INITIATIVE: [Tick the relevant boxes or delete the irrelevant items]

- ☒ AMS1: Facilitating resilient infrastructure to enable deployment of universal and meaningful connectivity
- ☐ AMS2: Digital inclusion, digital skills/competencies
- ☒ AMS3: Support for innovative digital ecosystems and the adoption and use of emerging technologies
- ☐ AMS4: Promoting cyber resilience and capacity building in cybersecurity and cyber resilience
- ☒ AMS5: Governance and enabling regulatory frameworks for sustainable digital transformation

Please find more information on the ITU Regional Initiatives 2026-2029, as defined by WTDC-25, [here](#).

RELATED ITU-D PRIORITIES AS DEFINED BY THE ITU WORLD TELECOMMUNICATION DEVELOPMENT CONFERENCE 2025

- x Affordable connectivity
- ☒ Digital Transformation
- x Enabling policy and regulatory environment
- ☐ Resource mobilization and international cooperation
- ☐ Inclusive and secure telecommunications/ICTs for sustainable development

Please find more information on the ITU-D Priorities, as defined by WTDC-25, [here](#).

RELATED PARTNERS2CONNECT FOCUS AREAS

- x Focus Area 1 - ACCESS: Connecting people everywhere
- ☐ Focus Area 2 - ADOPTION: Empowering communities
- x Focus Area 3 - VALUE CREATION: Building digital ecosystems
- ☐ Focus Area 4 - ACCELERATE: Incentivizing investments

Please find more information on the Partner2Connect Focus Areas Action Framework [here](#).

RELATED WSIS ACTION LINE: [Tick the relevant boxes or delete the irrelevant items]

- ☒ C1: The role of governments and all stakeholders in the promotion of ICTs for development

- ☒ C2: Information and communication infrastructure
- ☐ C3: Access to information and knowledge
- ☐ C4: Capacity building
- ☐ C5: Building confidence and security in the use of ICTs
- ☒ C6: Enabling environment
- ☐ C7: ICT applications
- ☐ C8: Cultural diversity and identity, linguistic diversity and local content
- ☐ C9: Media
- ☐ C10: Ethical dimensions the Information Society
- ☐ C11: International and regional cooperation

RELATED GLOBAL DIGITAL COMPACT: [Tick the relevant boxes or delete the irrelevant items]

- ☒ 1: Close all digital divides and accelerate progress across the Sustainable Development Goals
- ☐ 2: Expand inclusion in and benefits from the digital economy for all
- ☐ 3: Foster an inclusive, open, safe and secure digital space that respects, protects and promote human rights
- ☐ 4: Advance responsible, equitable and interoperable data governance approaches
- ☐ 5: Enhance international governance of artificial intelligence for the benefit of humanity

RELATED SDG: [Tick the relevant boxes or delete the irrelevant items]

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| ☐ SDG 1: No Poverty | ☒ SDG 10: Reduced Inequalities |
| ☐ SDG 2: Zero Hunger | ☐ SDG 10: Reduced Inequalities |
| ☐ SDG 3: Good Health and Well-being | ☒ SDG 11: Sustainable Cities and Communities |
| ☐ SDG 4: Quality Education | ☐ SDG 12: Responsible Consumption and Production |
| ☐ SDG 5: Gender Equality | ☐ SDG 13: Climate Action |
| ☐ SDG 6: Clean Water and Sanitation | ☐ SDG 14: Life Below Water |
| ☐ SDG 7: Affordable and Clean Energy | ☐ SDG 15: Life on Land |
| ☐ SDG 8: Decent Work and Economic Growth | ☐ SDG 16: Peace, Justice and Strong Institutions |
| ☒ SDG 9: Industry, Innovation and Infrastructure | ☒ SDG 17: Partnerships for the SDGs |