

Secure & Reliable LEO Connectivity

Rivada Space Networks perspective on regulatory challenges

Thomas Grob, VP Market Access Presentation for BEREC Workshop, 13 April 2023

Rivada Space Networks Constellation



Value Proposition

Key Characteristics

))



Uniquely Designed for B2B Customers





Type III – Meshed network in space





Uses ISLs as optical backbone in space



- End-to-end connectivity entirely over constellation network
- Full flexibility in traffic routing
- Global reach
- Optimized for security-focused Enterprise and Government customers

We are the only LEO system designed to deliver enterprise grade end-to-end connectivity over a single private network

Sustainability by Design



Our commitments to Space Sustainability





De-orbiting as fast as practically feasible: At the end of mission, RSN satellites will be de-orbited actively without any delay.



Responsible information sharing: RSN will inform competent authorities and other operators about the exact position of all its satellites.



Proactive alerts in case of technical malfunctions: When another satellite is in danger to be affected by a malfunctioning RSN-satellite, its operator will be contacted immediately.



Autonomous Collision Avoidance Maneuvers: by implementing the latest available technologies in SSA, STM and CAM we protect our own assets and those of others.



In orbit servicing: Is enabled by design to allow third party maintenance services incl. de-orbiting services if needed.



Limiting reflections to protect astronomy: Our satellites are manufactured in accordance with international best practice to limit reflection.

The time to act is now. RSN is working with industry associations on sustainable solutions.

Regulatory Challenges



A new entrant's perspective

Facilitating Market Access

In Europe, terminals are licence exempt but still the service needs to be authorised with every country applying unique and different conditions, and distinct frameworks for fixed satellite services and mobile satellite service.

Regulatory fees should be cost-based and predictable.

Light touch transparent processes with adequate response times.

Once licensed by its home administration, there is no need to require further licenses or impose further regulatory requirements on the operator solely for the provision of satellite capacity.

ightarrow EU approach to be exported to other regions via best practice sharing

Safeguarding Competition

LEO constellations add new segments to the market for connectivity.

Market entry must remain open for innovative systems that start later.

Competition shall decide which and how many constellations are economically viable and sustainable.

Availability of spectrum resources is essential. Existing allocations to satellite services need to be maintained.

 \rightarrow Spectrum sharing is strictly preferable to exclusive attributions



Thank you for your attention!

Happy to answer your questions.