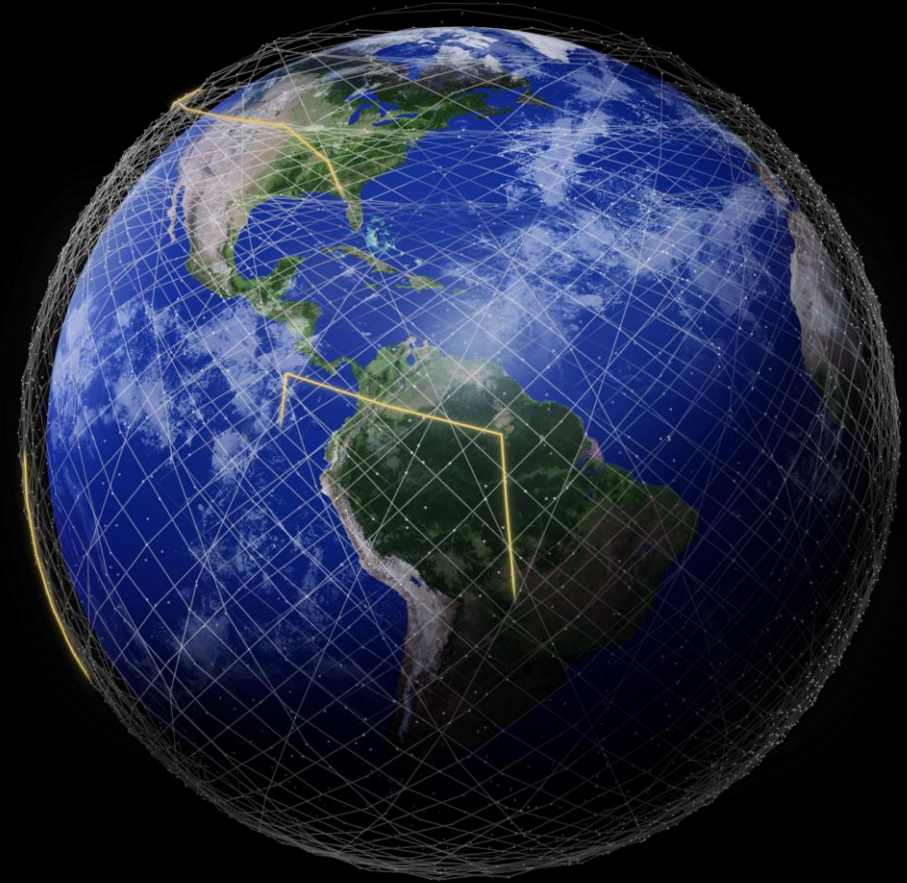


Modernizing Space Rules to Close the Digital Divide

Michael Feldman, International Public Policy, Amazon
Dynamic Spectrum Alliance Global Summit | London, UK | October 21, 2026



Amazon Leo is Amazon's
low Earth orbit satellite
broadband network.



Low Earth Orbit is a significant **leap** forward.

- More Network Capacity
- Increased Resilience
- Lower Round-Trip Latency
- Higher Bandwidth

LEO

Low Earth Orbit

50 ms round-trip latency
590 – 630 km from Earth

MEO

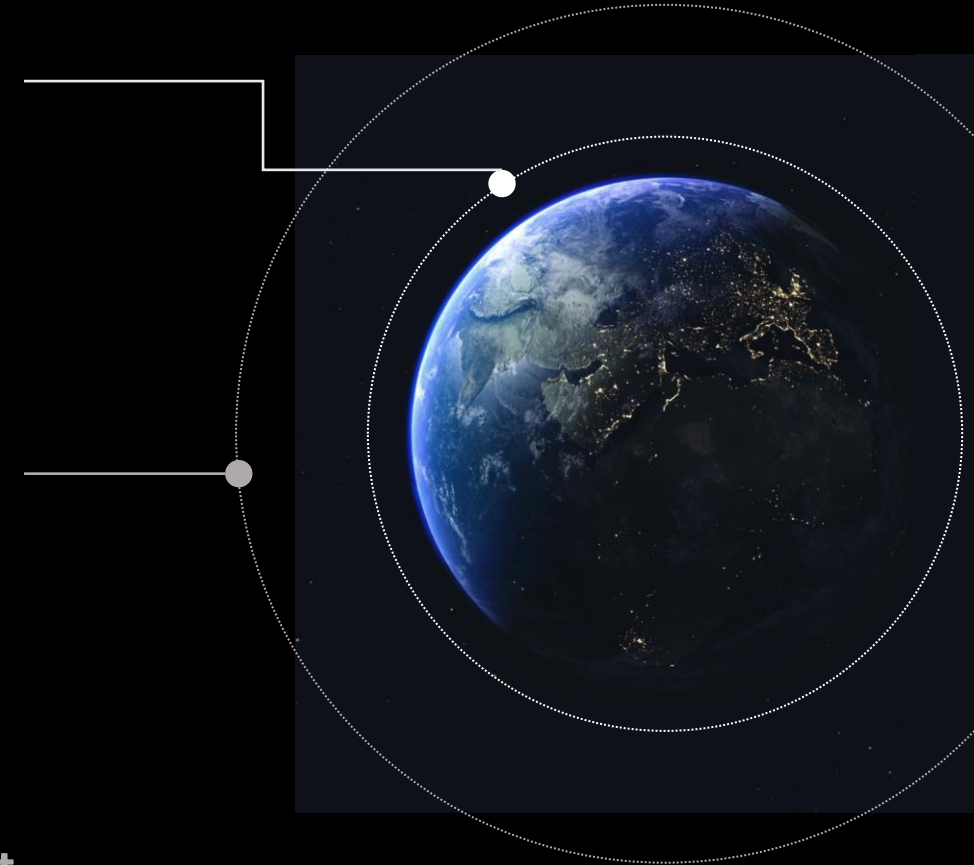
Medium Earth Orbit

250 ms round-trip latency
2,000 – 35,785 km from Earth

GEO

Geosynchronous Orbit

800 ms round-trip latency
35,786 km from Earth



Leo Customer Antennas

Designed and built to perform.

Nano

Up to 100 Mbps download



7" x 7" 178 x 178 mm ● 2.2 lbs. 1 Kg

Pro

Up to 400 Mbps download



11" x 11" 279 x 279 mm ● 5.3 lbs. 2.4 Kg

Ultra

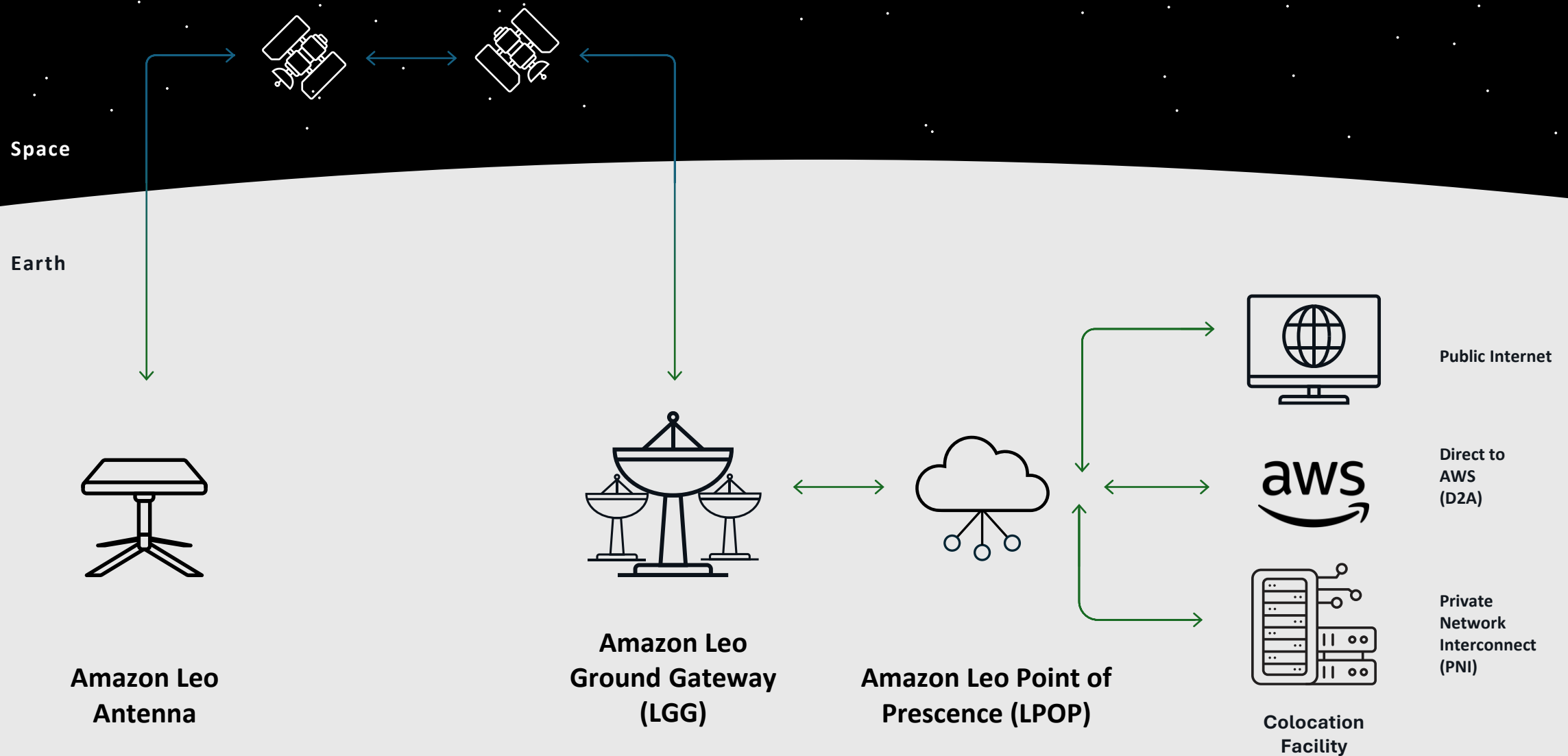
Up to 1000 Mbps download

Up to 400 Mbps upload



20" x 30" 508 x 762 mm ● 43 lbs. 19.5 Kg

Amazon Leo Network



Amazon Leo is addressing many use cases.

Enterprise

High-performance, secure connectivity for people and assets across land, sea, and air.



Telecommunications

Expanding wireless and mobile networks to new regions.



Residential

High-speed, reliable service for individual households.



Small Business

Bringing small businesses into the digital age.



Public Sector

Resilient, secure, and high-throughput connectivity to support a wide range of missions and services.



Emergency Services

Reliable connectivity to support emergency response and disaster relief efforts.

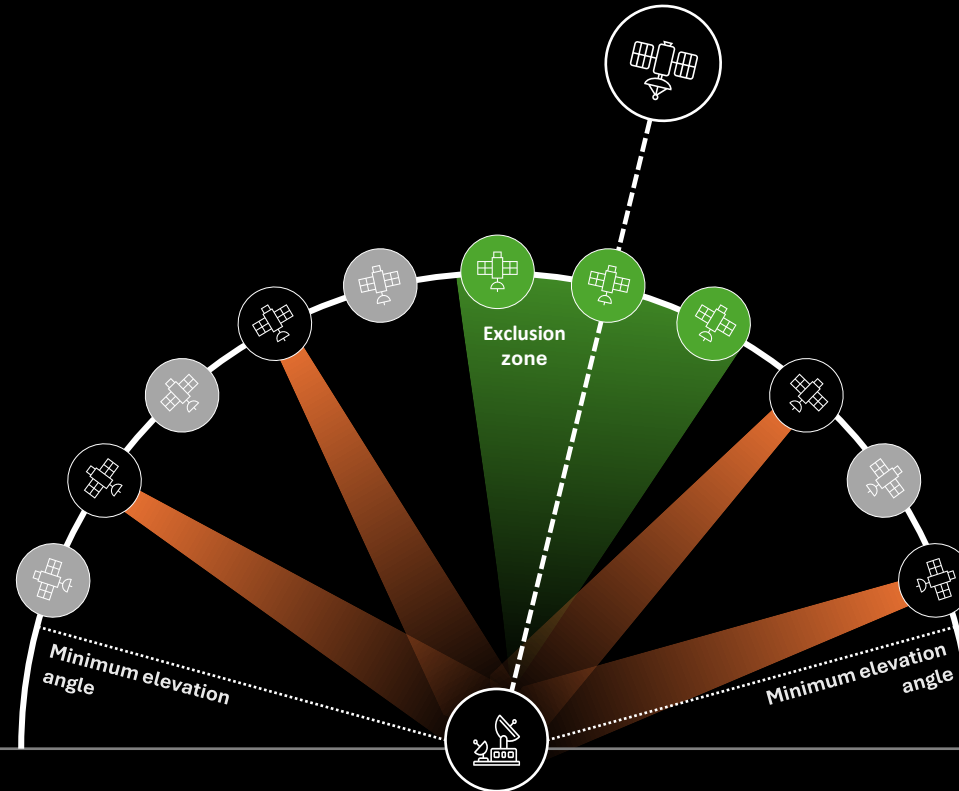


Recently Announced Customers and Partners



EPFD limits constrain NGSO systems.

Geostationary Orbit (GSO) and Non-Geostationary Orbit (NGSO) systems share the same radio spectrum. To meet the EPFD limits, NGSO systems must use artificial mitigations, limiting their coverage area.



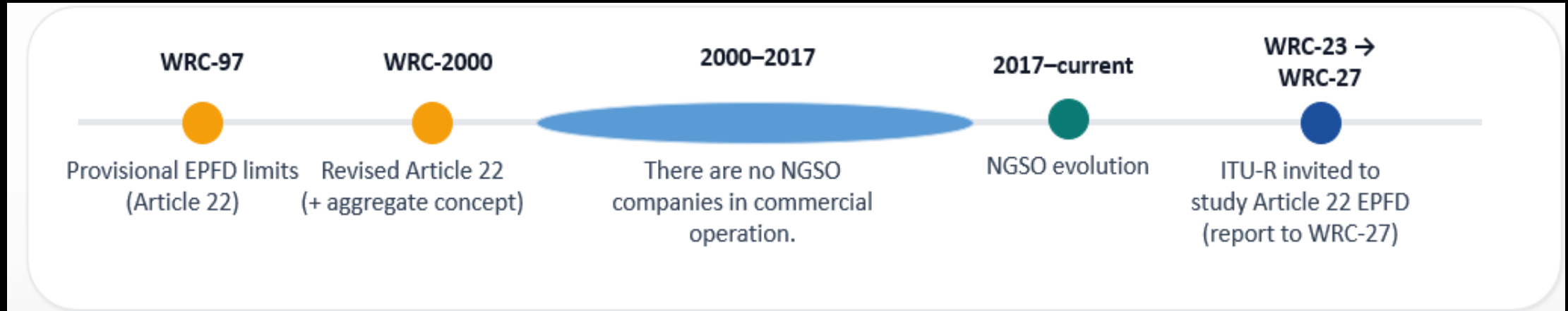
● **Incapable of serving:**
Nco not met - Exclusion zone met

● **Incapable of serving:**
Exclusion zone not met

● **Capable of serving:**
Nco met - Exclusion zone met

EPFD limits are outdated.

- These limits were set based on how satellites operated in the 1990s.



- The rules significantly overprotect GSO networks. Modern GSO and NGSO networks which provide IP traffic are designed to handle changing throughput environments and deal effectively with interference environments.
- The technical record is clear: EPFD limits can be modernized while continuing to protect GSO networks from unacceptable interference.
- Study process ongoing at ITU Working Party 4A, as mandated by WRC-23. The next opportunity for change is at WRC-27.



Fun Fact:

Low Earth orbit satellites travel at around 17,500 miles per hour (roughly 28,150 miles per hour). That's fast enough to travel from London to Tokyo in 20 minutes. Or around the entire Earth in 90 minutes.