





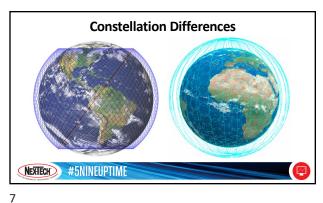
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What are the Different Types of Satellites? • GEO - 35,000 km or 22,000 miles in the sky Satellite completes an orbit in 24 hours
 Great coverage but slow speeds and data caps at a high price · High latency 550-600ms One satellite could serve a continent • LEO – 400-1,000 km or 250-620 miles in the sky Satellites orbit about every 2 hours – one goes across the horizon every 10-15 minutes Lower latency (Starlink claims as low as 20ms, Telesat 30-50ms) Need many satellites or a constellation for coverage NEXTECH #5NINEUPTIME

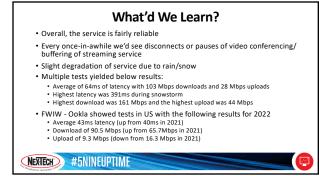
What Companies are Involved? • Starlink (Elon Musk) – 3,000 satellites currently - 42,000 satellites by 2027 • Project Kuiper (Jeff Bezos) – 3,236 satellites by 2029 • OneWeb (Richard Branson) – 428 satellites currently – 648 by ? • ViaSat – 5 GEO satellites currently – 288 LEO satellites by 2026 • Telesat – 15 GEO satellites – 298 LEO satellites by 2023 **AIRBUS** SPACEX NEXTECH #5NINEUPTIME

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**Challenges** • CATS! • China Military looking at a plan to destroy Starlink
 Starlink near crashes w/space station
 Internet censorship · Launching Gen2 Satellites 4-5x bigger than Gen1 - too big for current rockets • 5G for 12GHz Global Outage
 Human error? • Russia? NEXTECH #5NINEUPTIME

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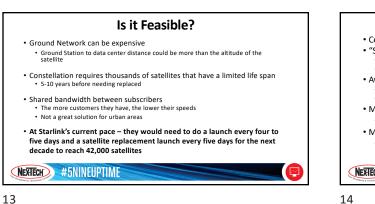
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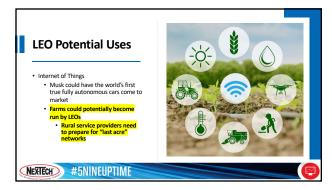


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Starlink's Martian
Governing Law
Clause

10. Governing Law.

For Services provided to, on, or in orbit around the planet Earth or the Moon, this Agreement and any disputes between
us arising out of or related to this Agreement, including disputes regarding arbitrability ('Disputes') will be governed by
and construed in accordance with the laws of the State of California in the United States. For Services provided on Mars,
or in transit to Mars via Starship or other spacecraft, the parties recognize Mars as a free planet and that no Earth-based
government has authority or sovereignty over Martian activities. Accordingly, Disputes will be settled through selfgoverning principles, established in good faith, at the time of Martian settlement.

