PACIFIC DATAPORT
Bringing Affordable, High-quality
Broadband to ALL Alaskans
& the Arctic!
November 2020 | Pacific Dataport, Inc. | Anchorage, Alaska

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Goal #1 – Connect ALL Alaskans to the Internet Like Never Before!

- Better health care, distance education, commerce opportunities and emergency response
- Greatly reduces Alaska's digital divide
- The Aurora Project will allow Pacific Dataport to drop a terminal in ANY community starting right now
- Then next summer, we turn up signal and we have instant backhaul
- Any Tribal entity, telecom, school, health clinic or entrepreneur that wants to offer cellular or broadband can benefit from our satellite networks!

Building On Our Experience …

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Created by…

Microcom™
Communications Solutions

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The Aurora Project

Phase I – Aurora 4A Satellite

- GEO HTS
- ~7.5 Gbps
- West 163°

Phase 2 – Aurora IV Satellite

- GEO VHTS
- ~70 Gbps
- West 154°

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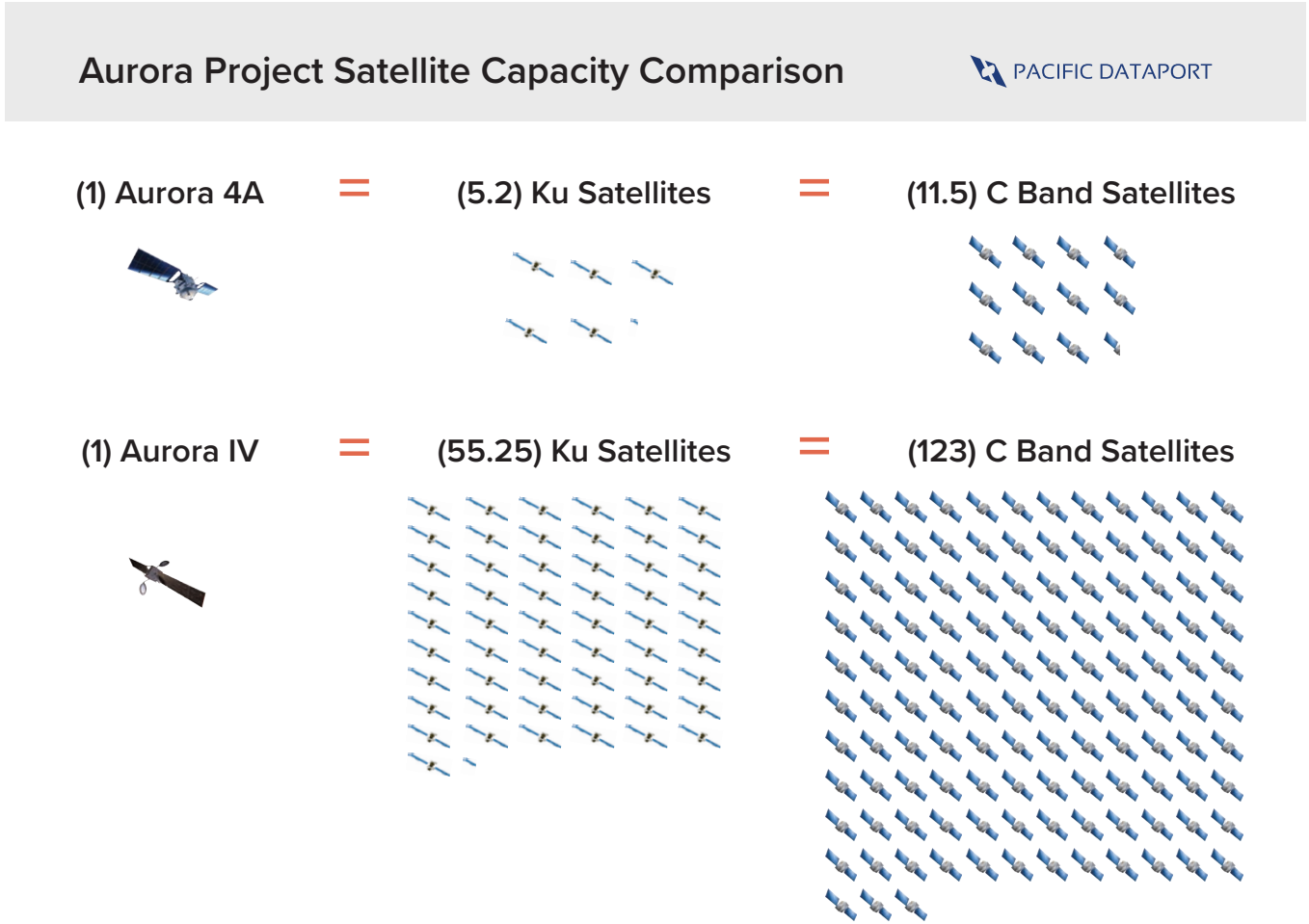
New Technology

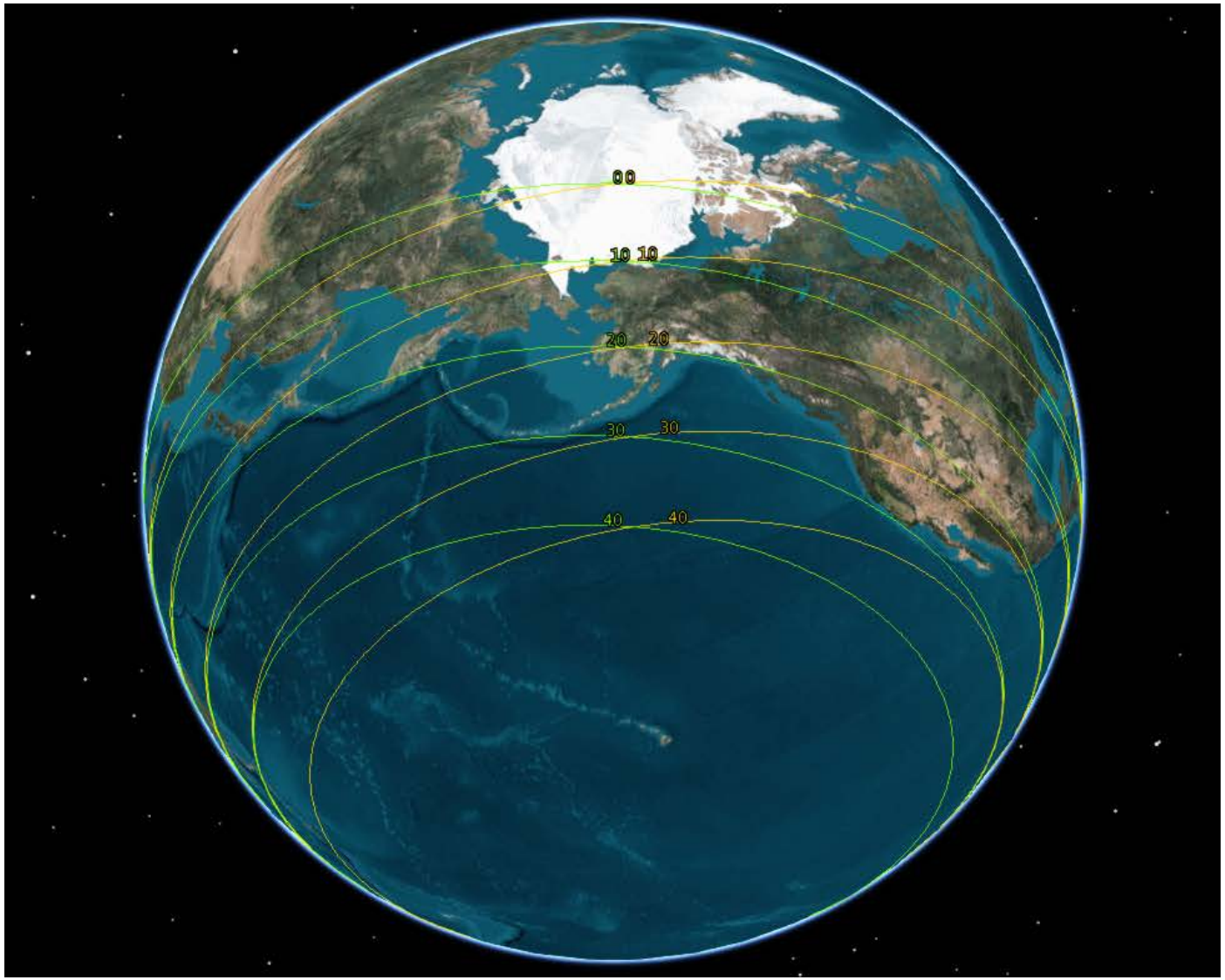
*"…HTS differs from traditional wide-beam ("legacy") satellite technology in that it is capable of providing orders of magnitude more capacity (i.e., 10s or 100s of gigabits) in highly concentrated areas, using the same amount of allocated orbital spectrum. In addition, the application of micro-miniaturization, digital processing, and beam forming—combined with substantial reductions in the cost of launching satellites to orbit—enable this new generation of satellites to provide highly reliable, high-capacity broadband at prices that are competitive with terrestrial alternatives."**



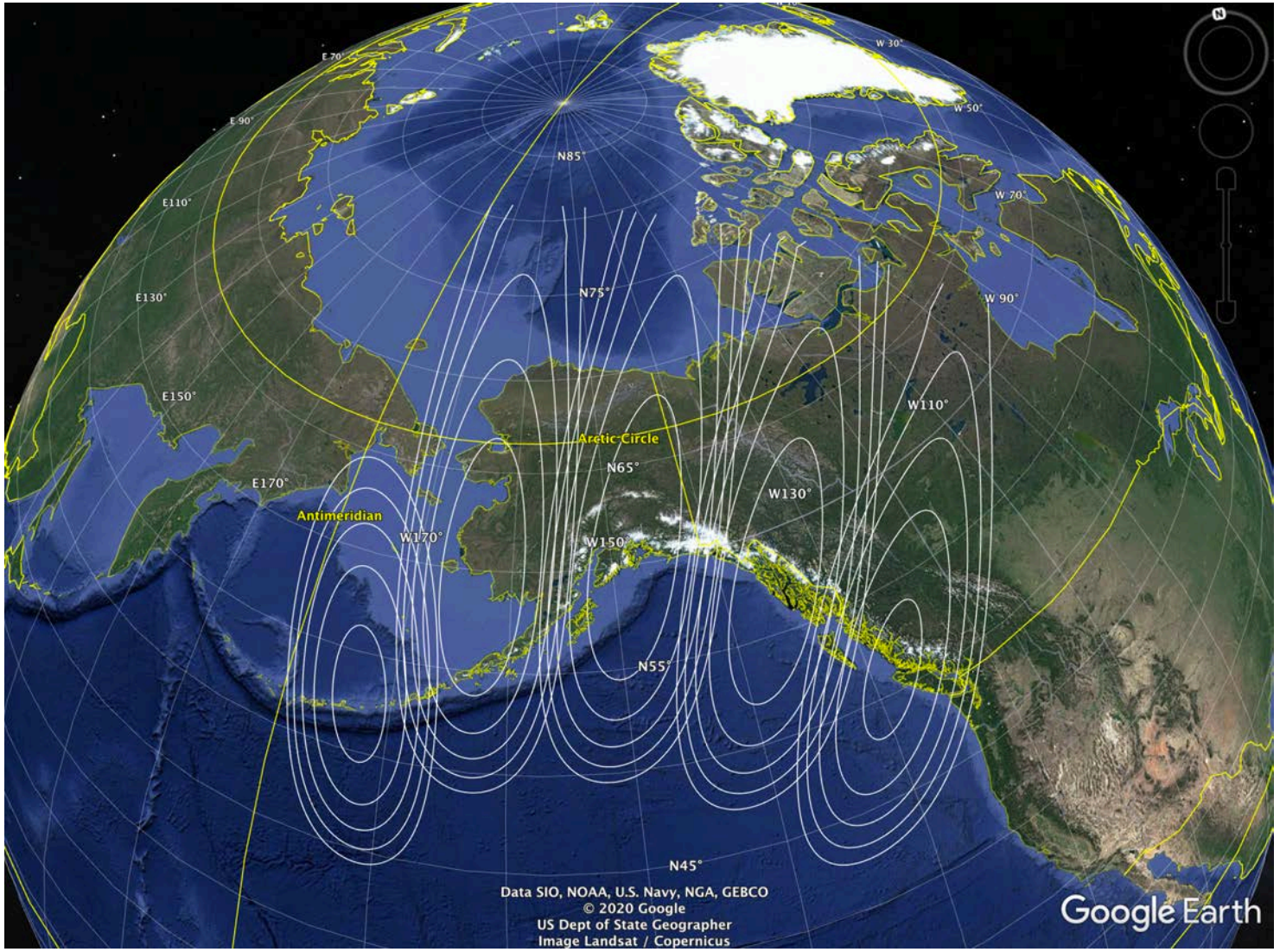
Comparison is based on the following technical capacity parameters.
Aurora 4A = 7.5 Gbps (7500 Mbps) • Aurora IV = 80 Gbps (80,000 Mbps) • Ku Satellite = 1.448 Gbps (1,448 Mbps) • C Band Satellite = .650 Gbps (650 Mbps).

* 2019 Alaska Broadband Plan

AURORA SYSTEM ARCTIC COVERAGE

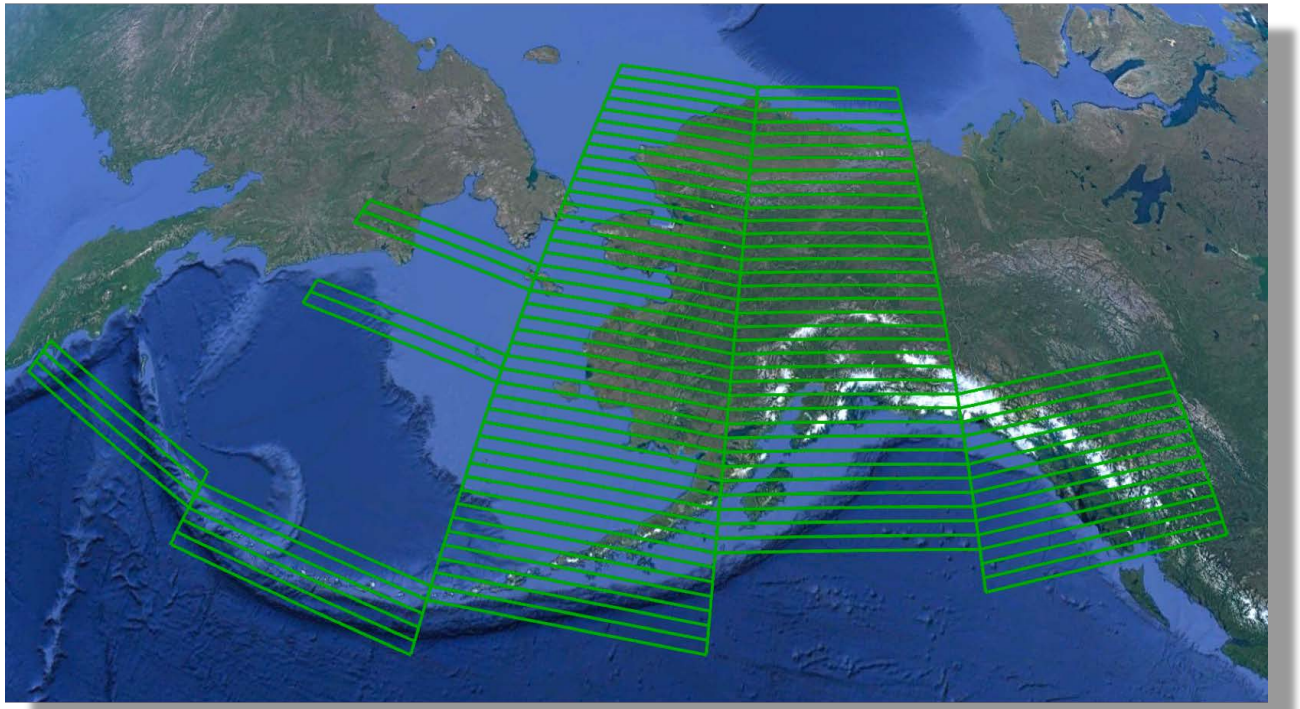


AURORA SYSTEM ALASKA COVERAGE



OneWeb

- Internet access everywhere, for everyone!
- LEO Constellation: 74 launched of 650+ satellites
- Low latency solution
- Geographically covering 100% of Alaska & the Arctic
- Pacific Dataport is OneWeb's exclusive distribution partner for Alaska and Hawaii



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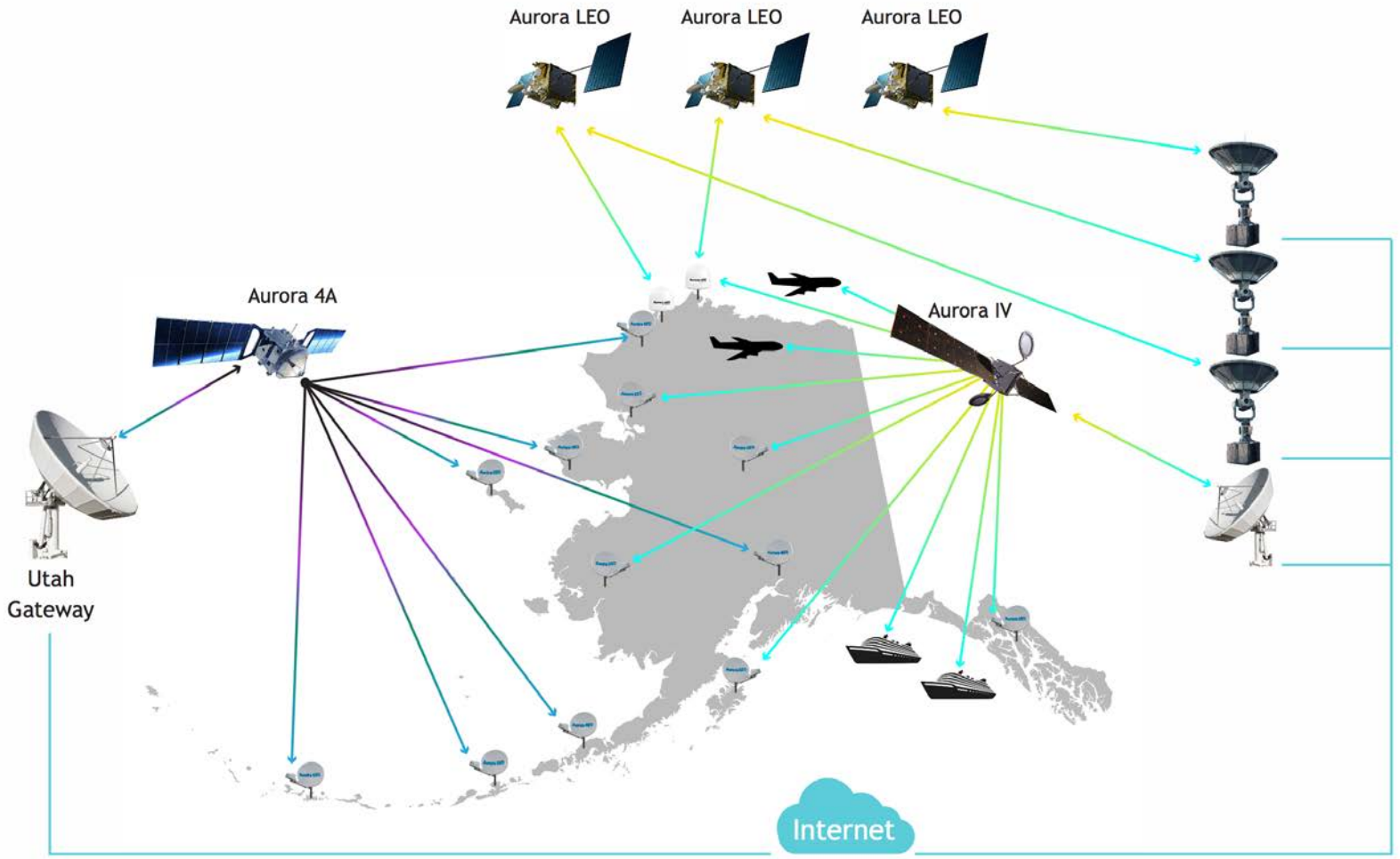

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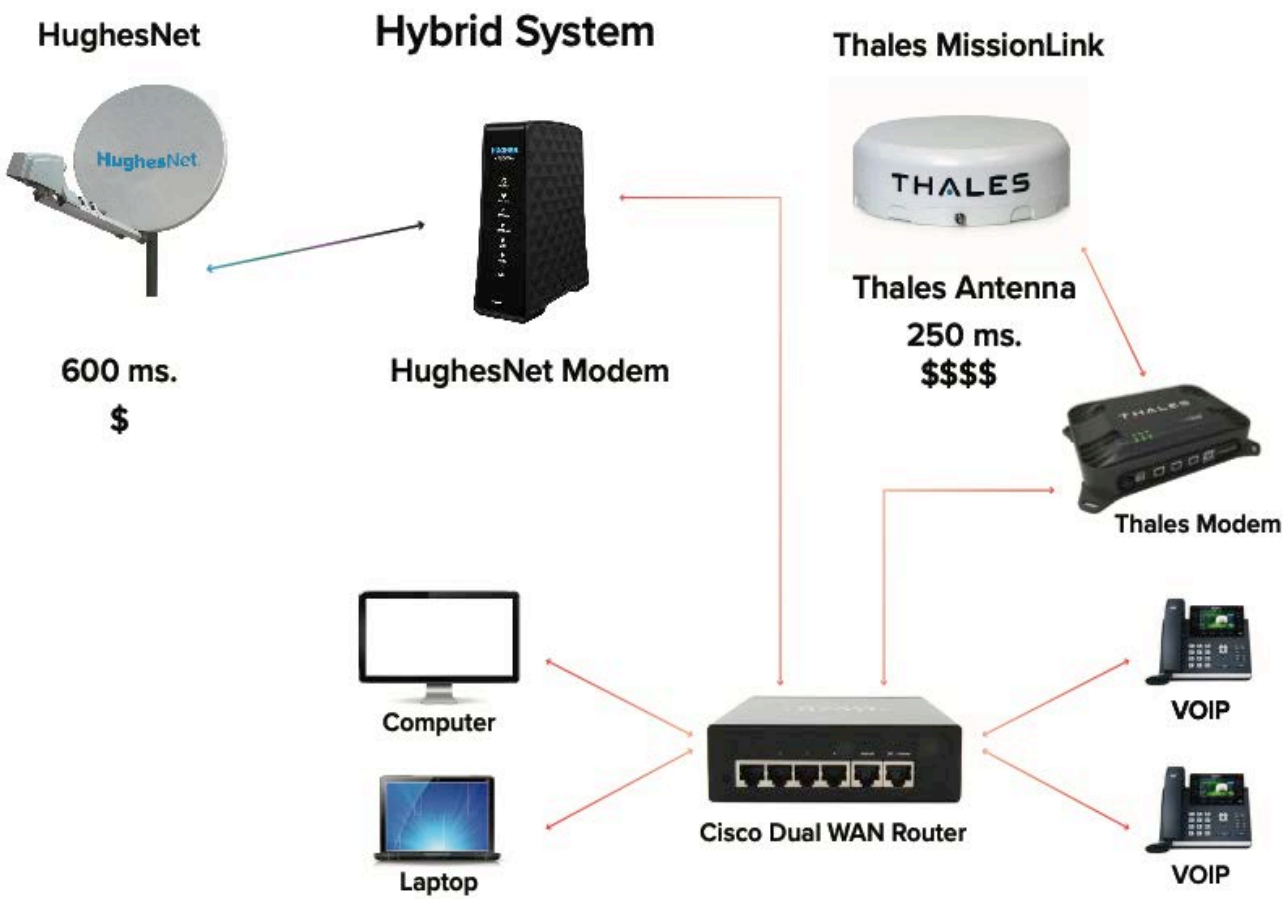
LEO/GEO HTS

Hybrid System

LEO – High-Capacity Broadband
GEO HTS – Everyday Broadband

”Our LEO/GEO HTS Hybrid creates a system that will fit your needs most economically regarding both time and budget.”



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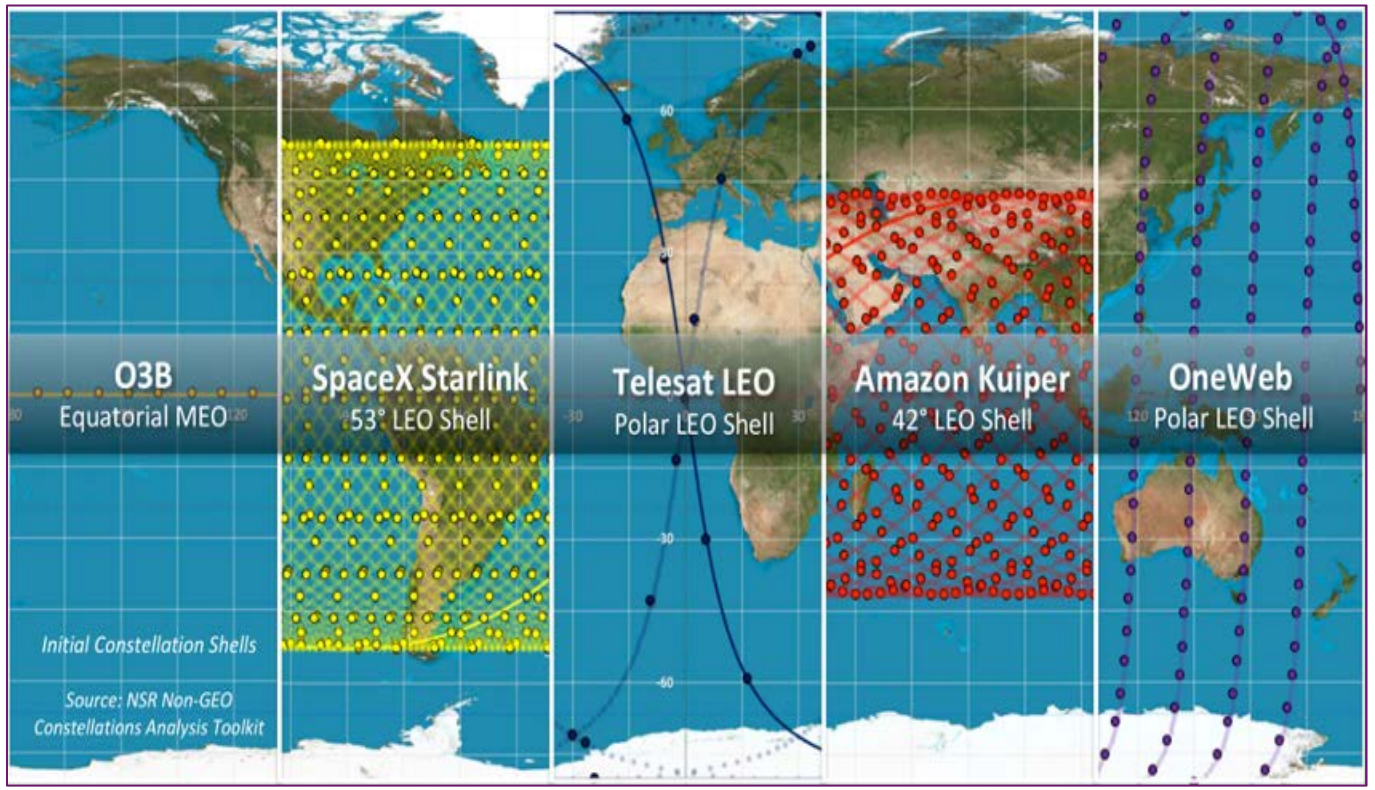
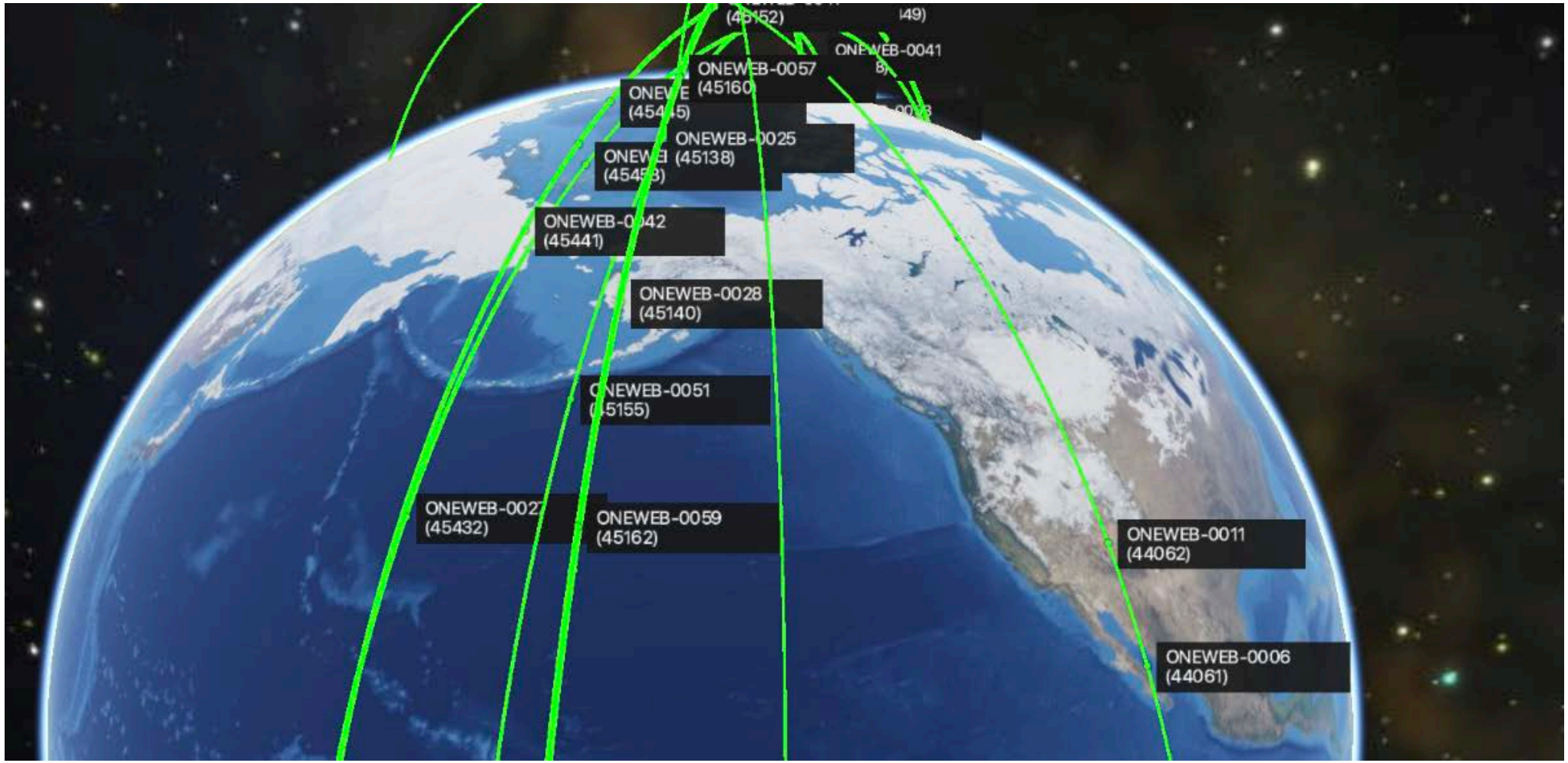
SATELLITE COMMITMENTS TO ALASKA

	Committed to Serving Alaska	Date In Service
PACIFIC DATAPORT	YES – 100% Coverage	Summer 2021
ONEWEB	YES – 100% Coverage	Summer 2021
KUIPER (AMAZON)	No	-
Telesat LEO	No	-
STARLINK (SPACEX)	No	-
O3B	No	-



STARLINK SYSTEM ARCTIC COVERAGE

ONEWEB SYSTEM ARCTIC COVERAGE



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Microcom™
Communications Solutions

Talkeetna Gateway

- 90 Acre Site
- Able to host multiple gateway clients
- First client is OneWeb
- Statewide reach
- Over $10m invested

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ALASKA
Broadband Association

- Sign the CHANGE.ORG petition to bring affordable broadband to ALL of Alaska
- Sign up to get broadband when it comes to your community
- Read about current news and new developments in broadband technology
- Join the Association as a community member or business in the industry

www.alaskabroadbandassociation.com!

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Frequently Asked Questions…

- Who can I can I call for the new GEO and LEO systems coming online?
  - Pacific Dataport is a wholesaler and Microcom is a retailer.
- How can I help?
  - Visit www.alaskabroadbandassociation.com.
  - Tell your State Legislators you want more affordable broadband.
- How do you address latency?
  - Our hybrid service offers the best option that best fits your needs.

Stronger Together!
Coming Summer 2021!

www.alaskabroadbandassociation.com
www.pacificdataport.com
www.microcom.tv

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