

# Intelsat 40e at 91°W

Providing Intelsat's commercial aviation, mobility, networks and government customers across North and Central America with high-throughput, "coast-to-coast" services.

**Intelsat 40e (IS-40e) provides focused coverage over North America for many of Intelsat's business units:**

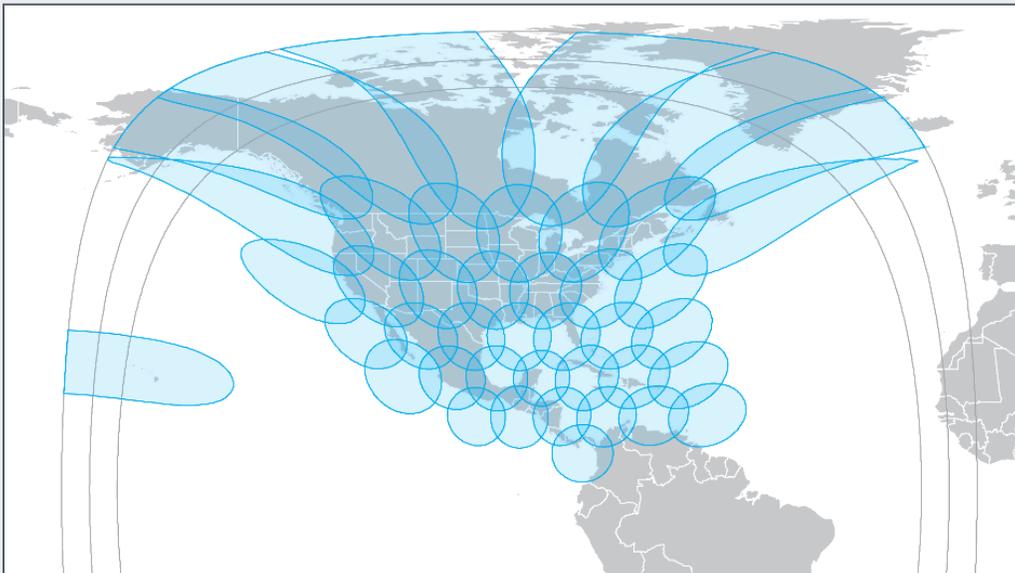
**Commercial Aviation:** IS-40e will add high-throughput coverage for a better experience for airline customers from coast to coast.

**Mobility:** IS-40e will extend the depth and breadth of reliable, high-speed connectivity for on-the-go industrial operations and rapid response missions with FlexMove, maritime and offshore communications with FlexMaritime, inflight Wi-Fi for business with FlexExec, and government aviation with FlexAir.

**Networks:** FlexEnterprise customers will see higher speeds and better coverage for strengthening SD-WAN and other enterprise network services in more places. CellBackhaul customers will leverage more capacity to deliver 4G/LTE and 5G services for rural and remote areas and where seasonal demand and disaster recovery service is needed.

**IS-40e also features NASA's hosted payload, Tropospheric Emissions: Monitoring Pollution (TEMPO).** TEMPO will monitor and track air pollution across North America on an hourly basis with the ability to stay over a region of interest during a natural disaster like a major fire or volcano eruption.

## Ku-band Multi-Spot Beams



### Ku-band Key Parameters

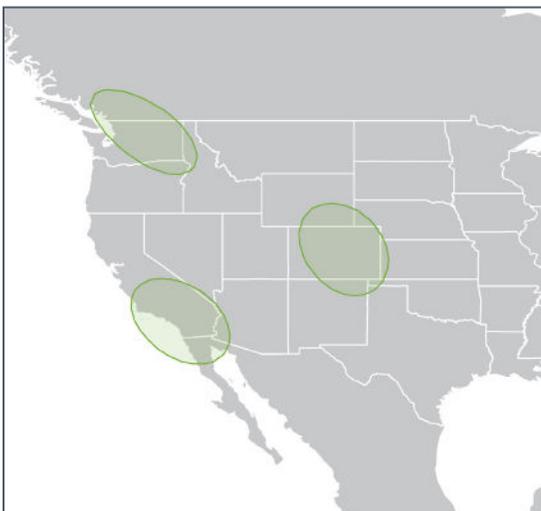
Configurable Capacity:  
326 (in equivalent 36 MHz units)

Polarization: Linear – Horiz. or Vertical

Typical e.i.r.p. Range:  
Spots: 50.7 up to 62.3 dBW

Typical G/T Range:  
Spots: +9.0 up to +16.7 dB/K

## Ka-band Multi-Spot Beams



### Ka-band Key Parameters

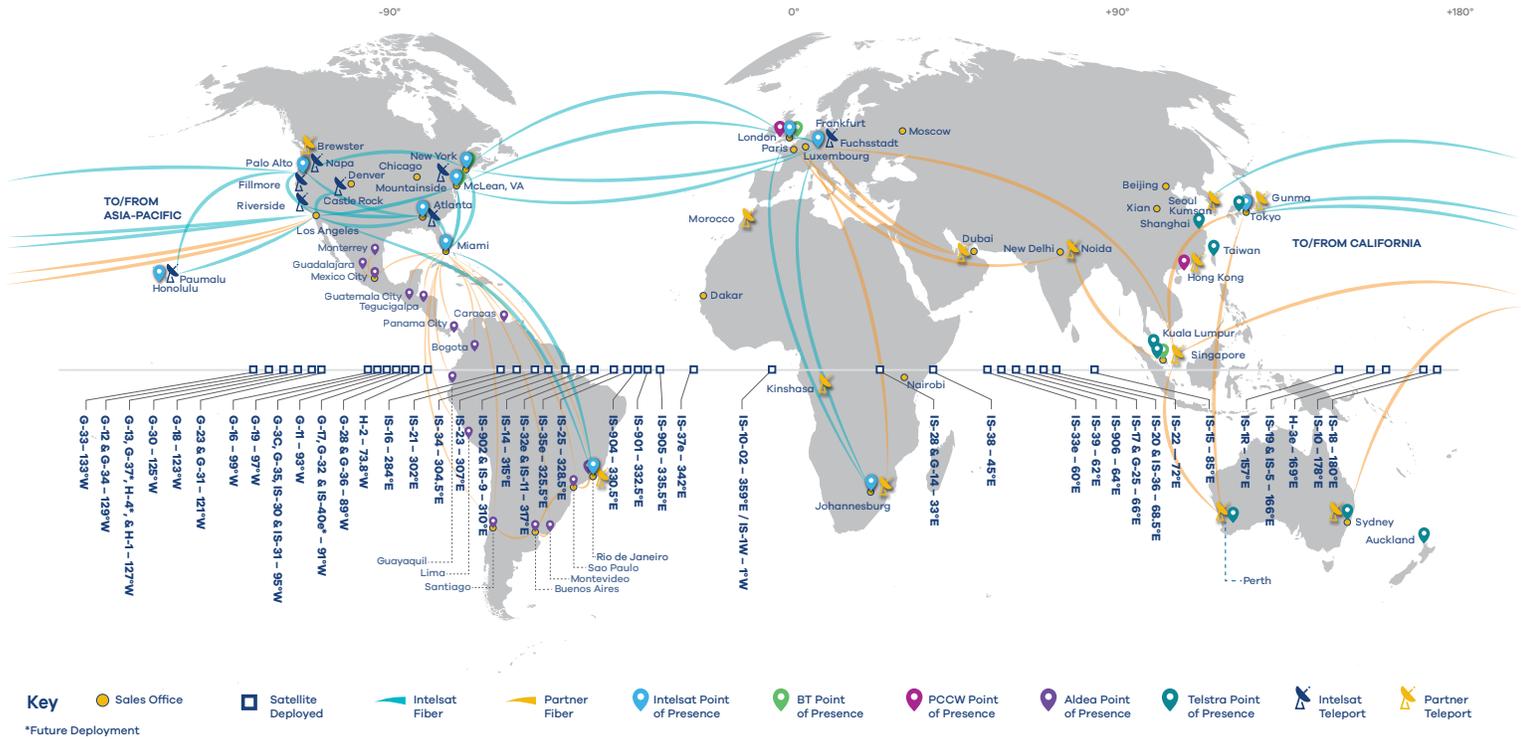
Configurable Capacity:  
195 (in equivalent 36 MHz units)

Polarization: Circular – Right or Left Hand

Typical e.i.r.p. Range:  
52.3 up to 61.5 dBW

Typical G/T Range:  
+18.0 up to +19.9 dB/K

*Payload performance values are preliminary and may change. Map shown for illustrative purpose and may change.*



## About Intelsat

Intelsat's global team of professionals is focused on providing seamless and secure, satellite-based communications to government, NGO and commercial customers through the company's next-generation global network and managed services. Bridging the digital divide by operating one of the world's largest and most advanced satellite fleet and connectivity infrastructures, Intelsat enables people and their tools to speak over oceans, see across continents and listen through the skies to communicate, cooperate and coexist. Since its founding six decades ago, the company has been synonymous with satellite-industry "firsts" in service to its customers and the planet. Leaning on a legacy of innovation and focusing on addressing a new generation of challenges Intelsat team members now have their sights on the "next firsts" in space as they disrupt the field and lead in the digital transformation of the industry.

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