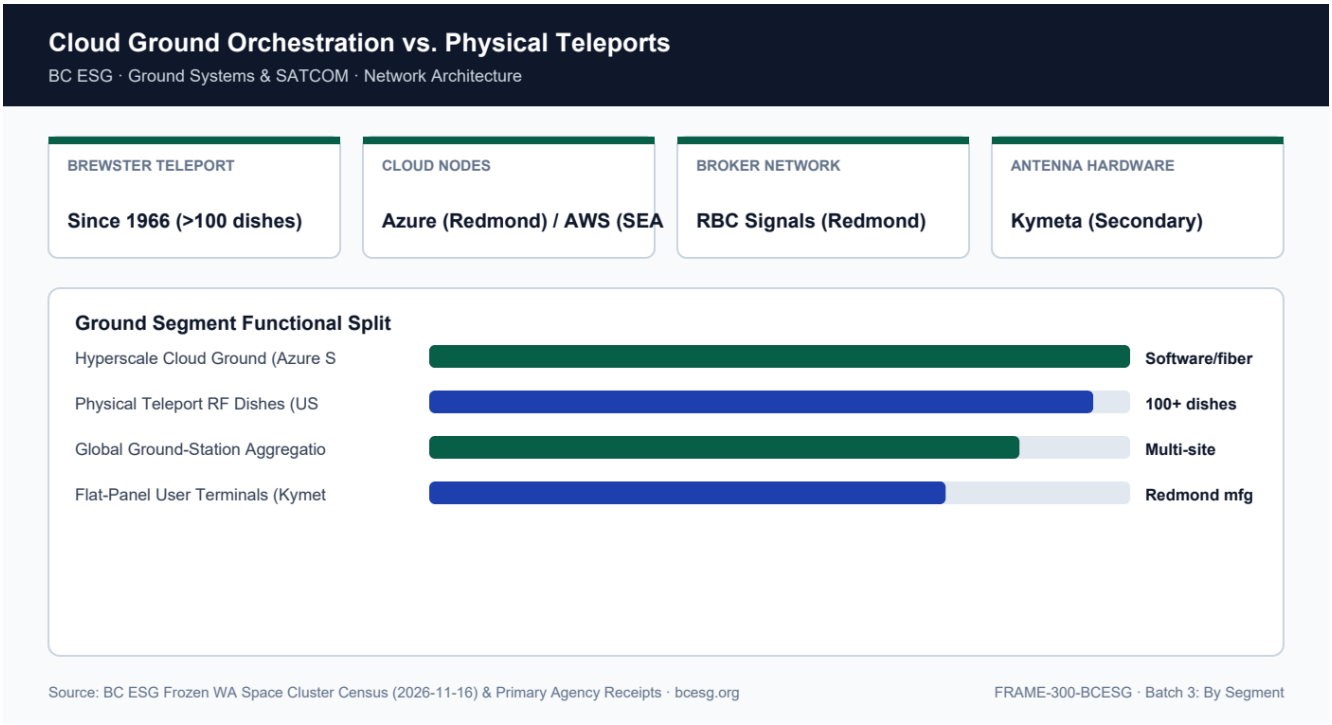
# Cloud Ground Stations, Teleports & Multi-Network SATCOM in Washington

Published: November 16, 2026 · Canonical URL:
https://bcesg.org/wa-ground-systems-satcom-cloud-teleport-network/

**Verification & Scope Baseline:** Cloud ground-station engineering sits in Redmond/Seattle while physical RF dishes concentrate in dry eastern basins (Brewster Teleport, Columbia Basin fiber).




| Layer | Operators | WA Geography | Function |
|---|---|---|---|
| Physical RF Teleport | US Electrodynamics (USEI) | Brewster, WA (Okanogan) | 100+ parabolic dishes; RF uplink/downlink |
| Cloud Ground Orchestration | Azure Space, AWS | Redmond, Seattle (+ Columbia Basin) | Virtual modems, cloud ingest, orbital compute |
| Multi-Site Ground Network | RBC Signals, Viasat | Redmond, Seattle | Shared antenna capacity & aero/gov SATCOM |

## Why Ground Engineering Lives in Puget Sound While Dishes Sit East of the Cascades

Rain-fade and urban RF congestion make Puget Sound suboptimal for Ka/V-band downlinks, so physical dish farms like US Electrodynamics (USEI) sit in Brewster (Okanogan County) in the dry rain shadow east of the North Cascades—serving commercial SATCOM, FAA air traffic, and DoD missions.

Meanwhile, Microsoft Azure Space (Redmond), AWS Aerospace & Satellite (Seattle), RBC Signals (Redmond), and Viasat (Seattle) anchor software-defined ground orchestration, cloud ingest, and global antenna-network brokering in Metro Seattle.

## Verified Primary Sources & Internal Bridges

- AWS Ground Station Docs: https://docs.aws.amazon.com/ground-station/
- Microsoft Azure Orbital Docs: https://learn.microsoft.com/en-us/azure/orbital/
- Okanogan County: https://www.okanogancounty.org/