

# Alaska Broadband Office In-State Mapping Challenge



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DEPARTMENT OF COMMERCE, COMMUNITY, AND ECONOMIC DEVELOPMENT

Alaska Municipal League  
Office Hours  
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# Broadband Equity, Access, and Deployment

**\$42.45 BILLION FOR ALL STATES AND TERRITORIES**

**Alaska's Allocation: \$1,017,139,672.42**



## Alaska Broadband Grant Program

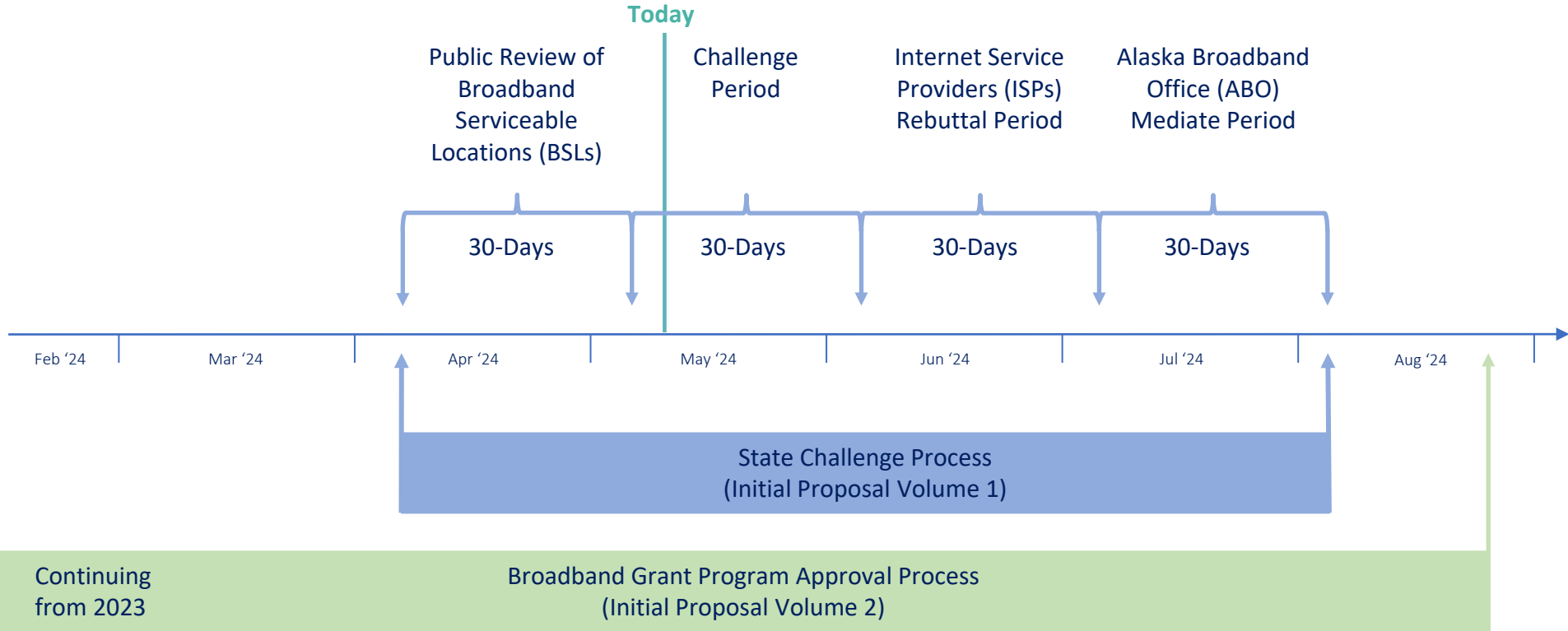
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# BEAD – State Challenge Process



Note: all timelines estimated based on the best available information and may change.



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# Types of Challenges

## TYPES OF CHALLENGES

- BSL Level of Internet Service
  - Unserved
  - Underserved
- CAI Service Availability
  - 1 Gbps/1 Gbps Unavailable
  - CAI Location
- Enforceable Commitments
- Planned Projects



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## ENTITIES AUTHORIZED TO SUBMIT CHALLENGES

- Local Governments (Cities & Boroughs)
- Tribal Governments
- Non-Profit Organizations
- Internet Service Providers (ISPs)



# When to Submit a Challenge

## CHALLENGE QUESTIONS?

1. Does my Broadband Serviceable Location show the correct level of service?
  - Served = 100/20 Mbps and above
  - Underserved = above 25/3 Mbps but less than 100/20 Mbps
  - Unserved = Cannot reach 25/3 Mbps
2. Is my Community Anchor Institution on the List?
3. Does my Community Anchor Institution have qualifying service?
  - 1 Gbps/1 Gbps



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# Broadband Serviceable Location (BSL) Challenges

## TYPES OF SERVICE CHALLENGES

- Availability
- Speed
- Latency
- Data Cap
- Technology
- Business Service Only



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# Broadband Serviceable Location (BSL) Challenges

## AVAILABILITY: THE BROADBAND SERVICE IDENTIFIED IS NOT OFFERED AT THE LOCATION.

- Provider failed to schedule a service installation within 10 days of a request.
- Provider did not install the service at the agreed upon time.
- Provider requested more than the standard installation fee to connect the location.
- Provider denied the request for service.
- Provider does not offer the identified technology at this location.
- Provider does not offer the speed shown on the Broadband Map for purchase at this location.
- No wireless signal is available at this location (Wireless service only).
- New nonstandard equipment had to be constructed at this location.



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# Broadband Serviceable Location (BSL) Challenges

## SPEED: THE ACTUAL SPEED OF THE SERVICE TIER FALLS BELOW THE UNSERVED OR UNDERSERVED THRESHOLDS.

- Three speed tests.
- Performed at different times of the day.
- Mean of the three is taken.
- Only a valid challenge if the location is subscribed to the highest available service tier.



## NTIA-APPROVED SPEED TEST APPLICATIONS

NTIA has approved the following applications for conducting speed tests:

- ✓ **Ookla** (<https://www.speedtest.net/>)
- ✓ **M-Lab** (<https://speed.measurementlab.net/#/>)
- ✓ **Cloudflare** (<https://speed.cloudflare.com/>)
- ✓ **Netflix** (<https://fast.com/>)
- ✓ Speed test sites operated or sponsored by the Eligible Entity (including commercial test aggregators)



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# Broadband Serviceable Location (BSL) Challenges

LATENCY: THE ROUND-TRIP LATENCY OF THE BROADBAND SERVICE EXCEEDS 100 MILLISECONDS (MS).

- Three speed tests – “PING” reaction time
- Performed at different times of the day.
- Mean of the three is taken.
- Only a valid challenge if the location is subscribed to the highest available service tier.



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# Broadband Serviceable Location (BSL) Challenges

## DATA CAP

The only service plans marketed to consumers impose an unreasonable capacity allowance (“data cap”) on the consumer.

The Federal Communications Commission (FCC) defines a reasonable capacity allowance as 600GigaBytes/Month



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# Broadband Serviceable Location (BSL) Challenges

**TECHNOLOGY: THE TECHNOLOGY INDICATED FOR THIS LOCATION IS INCORRECT.**

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• Copper Wire</li><li>• Optical Carrier and Fiber to the Premises</li><li>• Non-geostationary Satellite</li><li>• Licensed Terrestrial Fixed Wireless</li><li>• Other</li></ul> | <ul style="list-style-type: none"><li>• Coaxial Cable and HFC</li><li>• Geostationary Satellite</li><li>• Unlicensed Terrestrial Fixed Wireless</li><li>• Licensed-By-Rule Terrestrial Fixed Wireless</li></ul> |
|---|---|



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# Community Anchor Institution (CAI) Challenges - Location

## WHAT IS A CAI?

“...an entity such as a school, library, health clinic, health center, hospital or other medical provider, public safety entity, institution of higher education, public housing organization, or community support organization that facilitates greater use of broadband service by vulnerable populations, including, but not limited to, low-income individuals, unemployed individuals, children, the incarcerated, and aged individuals.”



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# Community Anchor Institution (CAI) Challenges - Location

## STANDARD CAIS

- Schools
- Libraries
- Health Care Facilities
- Public Safety Entities
- Institutions of Higher Education
- Public Housing Organizations



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# Community Anchor Institution (CAI) Challenges - Location

## ALASKA-SPECIFIC CAIS

- Specific Local, Tribal, State Government Facilities
- Remote Job Center
- Youth Support Organization
- Community Support Organizations
- Shelter
- Washeteria
- Community Gathering Location



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# Community Anchor Institution (CAI) Challenges - Availability

## CAI SERVICE AVAILABILITY

- Lacking 1 Gig Symmetrical Service
- When subscribed to Highest Available Tier of Service



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## WHAT IS AN ENFORCEABLE COMMITMENT?

- All known federal, state, and local projects funded through another broadband grant program identified by the Alaska Broadband Office (ABO) deduplication process



## WHAT IS REQUIRED BY A CHALLENGER?

- Documentation that the provider has defaulted on the commitment or is otherwise unable to meet the commitment.



# Mapping Portal



Welcome to the Alaska Broadband Office BEAD challenge and rebuttal portal.  
Click on the buttons to start a BEAD Challenge or, if you are a broadband provider, to submit a rebuttal.  
You can also browse the Alaska BSL map and CAI list for your reference when submitting a challenge.



[View the Alaska BSL Map](#)

[Submit a new BEAD Challenge](#)

[Submit a Rebuttal](#)

[Download the Alaska CAI List](#)

Please see the BEAD Challenge [Resource Guide](#) and the [Video Tutorials](#) for more information on how to submit a challenge.

## Frequently Asked Questions (FAQs):

### 1. What is BEAD?

The Broadband Equity, Access, and Deployment (BEAD) Program is funding provided by Congress to ensure all Americans have access to high-speed internet. High-speed internet is defined as 100Mbps download (watching videos) and 20Mbps upload (posting photos). Alaska was allocated \$1,017,139,672.42 to reach all Alaskans who do not currently have 100/20Mbps service.

### 2. What is the In-State Mapping Challenge?

It is a part of the Broadband Equity, Access, and Deployment (BEAD) program to ensure the internet service at homes, businesses, and Community Anchor Institutions is correctly identified. The Alaska Broadband Office (ABO) is running a four-stage In-State Mapping Challenge to improve the map that will be used to identify locations eligible for funding under the BEAD Program.

### 3. What are the four 30-day stages?

The four stages are:

Stage 1: A review of homes and businesses (Broadband Serviceable Locations or BSLs) and Community Anchor Institutions (CAIs) for internet speed and/or availability.

Stage 2: Challenges to service levels submitted by Alaskans to the Alaska Broadband Office (ABO).

Stage 3: Challenges reviewed and either accepted or rebutted by Internet Service Providers (ISPs).

Stage 4: Where there is a difference, the ABO will decide in favor of the challenge or rebuttal based on evidence.



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# Portal Mapping Tool



## Alaska Broadband Serviceable Locations

- Enforceable Commitment (Projects Planned)
- Served (speeds > 100/25 Mbps Down/Up)
- Underserved (speeds between 25/3 and 100/25 Down/Up)
- Unserved (speeds < 25/3 Mbps Down/Up)



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# Broadband Service Levels

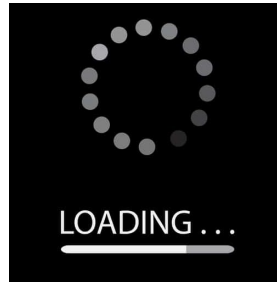
## #1 - Unserved

Less than 25 Megabits per second (Mbps) download and 3 Mbps upload (<25/3)



## #2 - Underserved

More than 25/3, but less than 100 Mbps download and 20 Mbps upload (<100/20)



## #3 - Unserved Community Anchor Institutions

Less than 1 Gigabit per second (Gbps) download and 1 Gbps upload



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# Questions?

## Alaska Mapping Challenge Questions?



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Thank You

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