

# **BEAD CHALLENGE PROCESS**

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**BROADBAND EQUITY, ACCESS, AND DEPLOYMENT (BEAD) PROGRAM  
UNIVERSITY OF HAWAII BROADBAND OFFICE  
MAY 1, 2024**



# Broadband Hui Sessions



**4/17/24 Challenge Process Update 1 —  
Hawai'i Challenge Process Overview / Timeline**



**4/24/24 Challenge Process Update 2 —  
Challenge Type/Evidence: Availability, Data Cap, Technology,  
Business Service Only**



**5/1/24 Challenge Process Update 3 —  
Challenge Type/Evidence: Speed/Latency**

**5/8/24 Challenge Process Update 4 —  
Challenge Type/Evidence: Enforceable Commitment (EC), Not  
EC, Planned Service, Location is a CAI/not a CAI.**

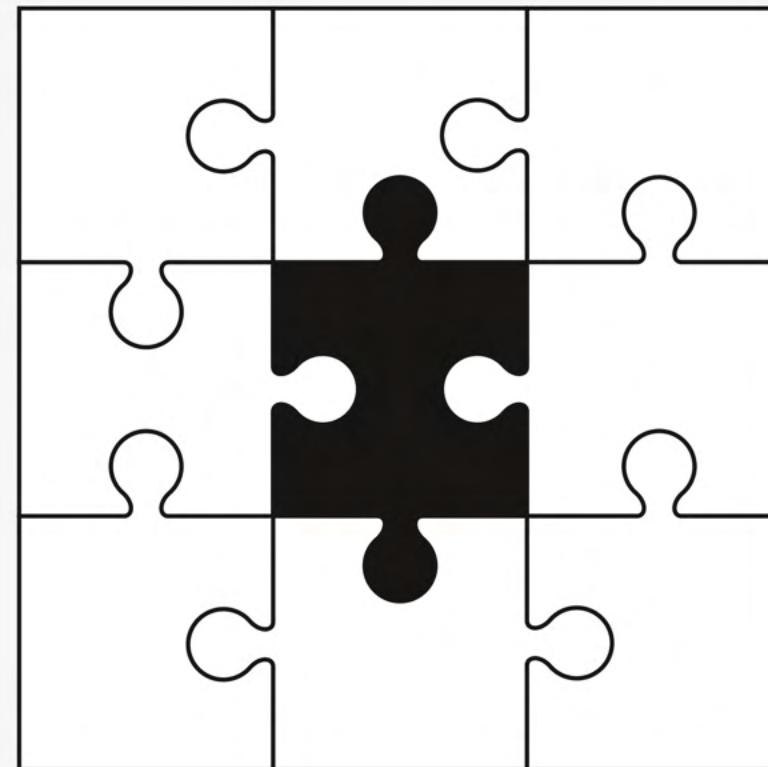
# AGENDA

1. **What are we challenging / not challenging**
2. **Challenge Types**
  - a. Speed / Latency
3. **Next steps**

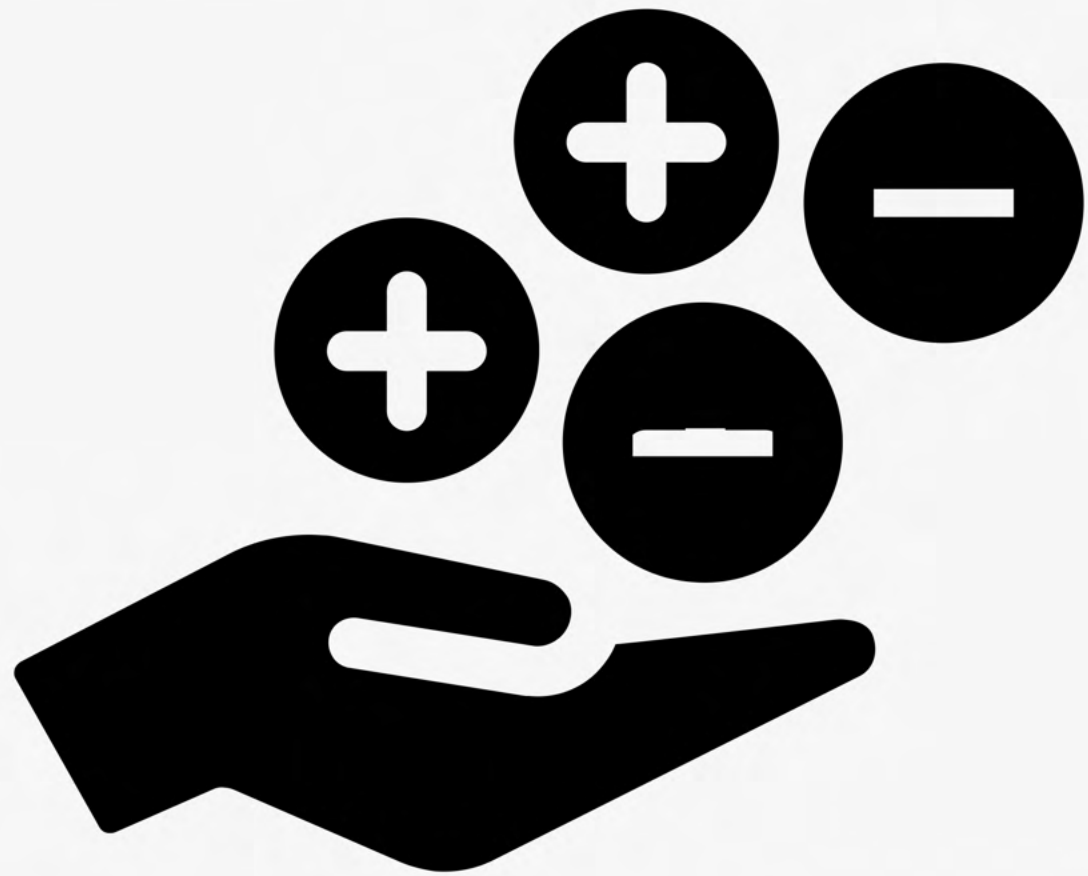


# CHALLENGE PROCESS GOAL

The Challenge Process is an opportunity for Hawaii to create the most complete map of broadband access in the State for BEAD funding.



# WHAT ARE WE NOT CHALLENGING?



Addition or removal of locations (aka “dots”)



Location details such as:

- Residential vs Business
- Address
- Unit Count

# WHAT ARE WE CHALLENGING?

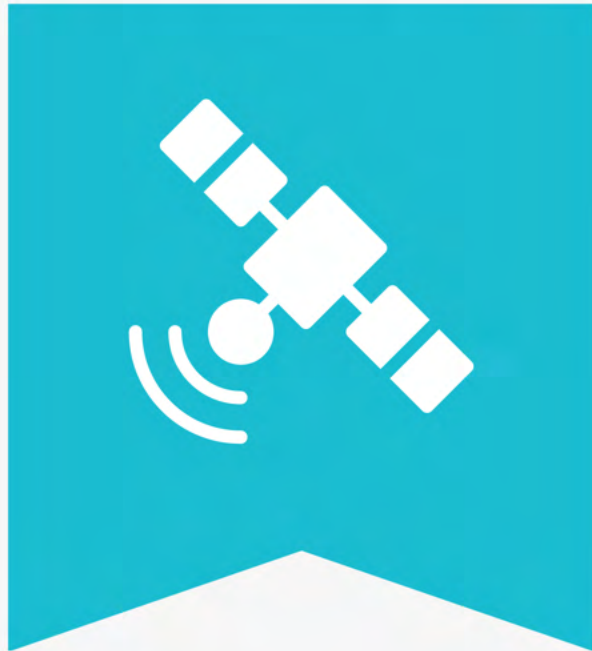
1. The identification of community anchor institutions (CAI)
2. Community anchor institution 1 Gigabit speed access
3. Served, unserved, and underserved status of locations
4. Enforceable commitments, or
5. Planned service.



# BEAD ELIGIBILITY DEFINITIONS

## Community Anchor

### Unserved



- Only has access to Internet speeds less than 25/3 Mbps
- Only has satellite available

### Underserved



- Only has access to Internet speeds between 25/3 Mbps and 100/20 Mbps
- Only has digital-subscriber line (DSL) available

### Institutions\*



- Less than 1 Gbps symmetrical speeds

\*see Initial Proposal Volume 1 for CAI definition

# CHALLENGE TYPES

**1** Availability

**2** Speed

**3** Latency

**4** Data cap

**5** Technology

**6** Business Service Only

**7** Location is a CAI

**8** Location is not a CAI

**9** Planned Service

**10** Enforceable Commitment

**11** Not Enforceable Commitment





# CHALLENGE TYPES COVERED TODAY

**1** Availability

**2** Speed

**3** Latency

**4** Data cap

**5** Technology

**6** Business Service Only

**7** Location is a CAI

**8** Location is not a CAI

**9** Planned Service

**10** Enforceable Commitment

**11** Not Enforceable Commitment



# SPEED CHALLENGE



# GOAL

Show that the location does not have the infrastructure to support at least 100/20 Mbps speeds and is therefore underserved. For CAIs 1000/1000 Mbps.

# DESCRIPTION

The actual speed of the service tier falls below the unserved (25 Mbps download / 3 Mbps upload) or underserved (100 Mbps download / 20 Mbps upload) thresholds. **This challenge only applies to locations subscribed to Internet plans greater than or equal to 100 / 20 Mbps.**

CHALLENGE TYPE:  
SPEED



# EVIDENCE

CHALLENGE TYPE:  
SPEED



## CHALLENGES



Speed test must be taken at least 60 day prior to the beginning of the process.

May 16, 2024\*

\*tentatively

# 3

Three speed tests are required on different days (i.e. 1 test per day). Days do not need to be consecutive



Each speed test must show:

- Time
- Date
- IP address



Speed tests can be done on

- a laptop
- desktop computer
- mobile device as close as possible to the router



Challenge submission must include subscriber's:

- Name
- Address
- A copy of last invoice



# EVIDENCE

CHALLENGE TYPE:  
SPEED



## REBUTTALS

# 3

Perform 3 speed tests on different days and at least 60 days before the process start



Provide speed test evidence for 10% of randomly selected customers in challenged area.

# 80/80

Providers must apply the 80/80 rule, i.e., 80% of these locations must experience a speed that equals or exceeds 80% of the speed threshold



Each speed test must show:

- Time
- Date
- IP address



Speed tests must be done between the hours of 7 PM to 11 PM Hawaii Standard Time

# EVIDENCE

CHALLENGE TYPE:  
LATENCY 

## To assist in speed challenges

- A checklist for what to do can be provided for those interested in a speed challenge.
- Challenge Portal will include a fully compliant speed test module to perform speed tests.



# SCENARIOS

CHALLENGE TYPE:  
SPEED



## Scenario 1

You are subscribed to 300/10 internet plan. A speed challenge would not apply because the speed you are subscribed to is not greater than or equal to 100/20.

## Scenario 2

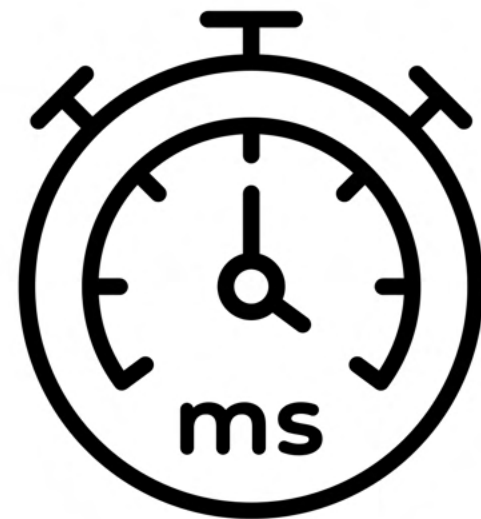
Your location has two Providers: A & B. You are subscribed to 100/20 internet plan from Provider A. Provider B offers fiber at speeds up to 1000/500. A speed challenge might not change the location's status to underserved because Provider B can provide access to over 100/20.

## Scenario 3

Your location only has one provider that can provide access up to 100/20. You are subscribed to 100/20 the internet plan. A speed challenge could change the location's status to underserved because there is only one provider and speed tests show actual speeds are less than 100/20 (if no rebuttal).



# LATENCY CHALLENGE





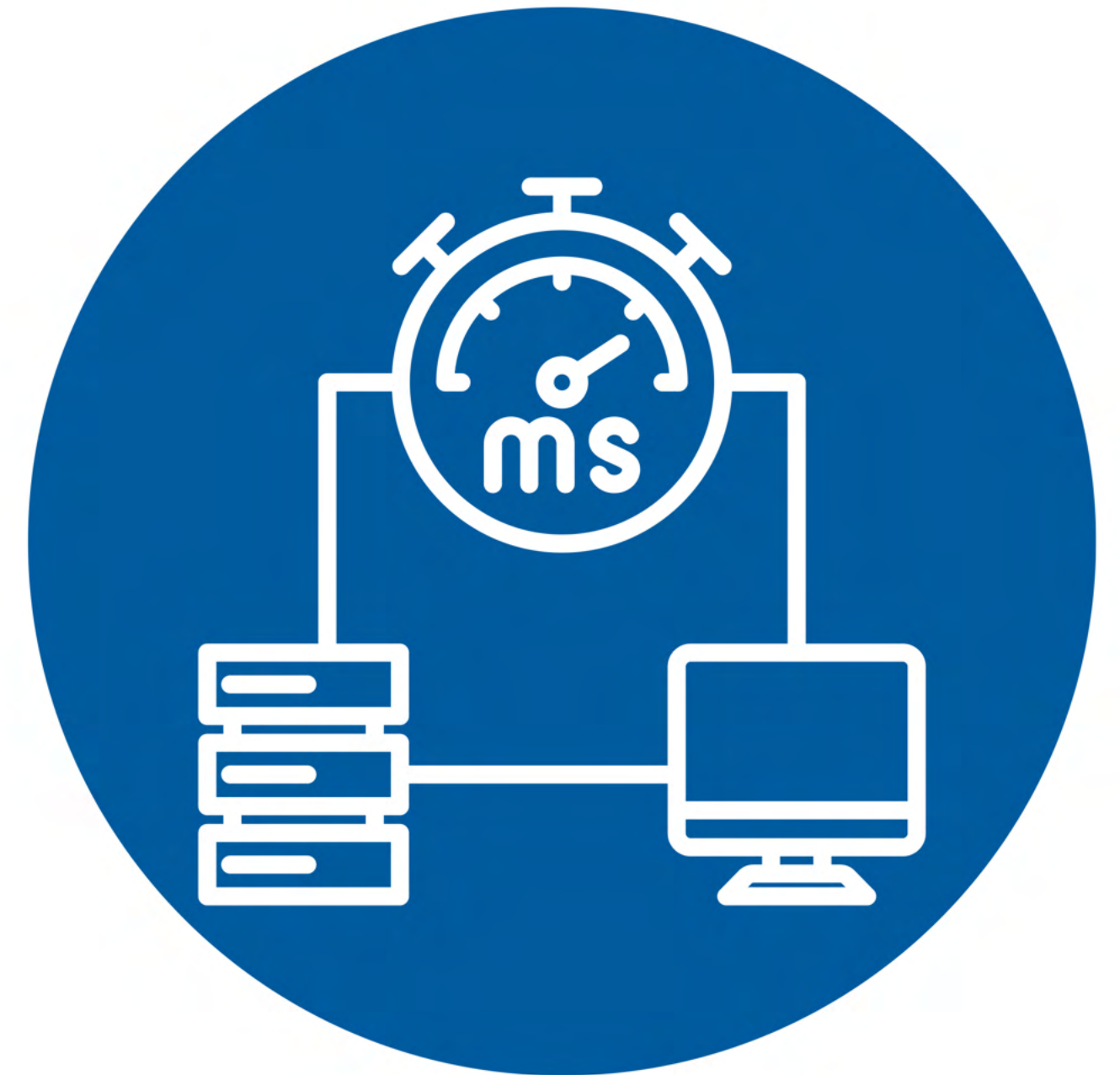
# GOAL

Show that the location does not have the infrastructure to support less than 100 ms latency (i.e., delay in sending & receiving data) and is therefore underserved.

# DESCRIPTION

The round-trip latency (i.e., delay in sending & receiving data) of the broadband service exceeds 100 milliseconds (ms).

CHALLENGE TYPE:  
LATENCY 



# EVIDENCE

CHALLENGE TYPE:  
LATENCY 

## CHALLENGES



Same requirements as Speed challenge  
showing latency over 100 ms

## REBUTTALS



Same requirements as Speed challenge  
showing latency under 100 ms

# CHALLENGE PROCESS TIMELINE



Challenge  
Phase

July 2024\*  
(30 days)



Rebuttal  
Phase

August 2024\*  
(30 days)



Adjudication  
Phase

September 2024\*  
(30 days)

\*tentatively



# NEXT STEPS



If this challenge applies to you, practice taking a speed test at home. Find your Internet bill and check you are subscribing to a plan over 100/20 Mbps.



Spread the word to community about Zoom information sessions May 2 & May 9, 12 - 1 PM HST  
[https://hawaii.zoom.us/webinar/register/WN\\_RMZoYhOvQOyMcPi47q!Jiw#/registration](https://hawaii.zoom.us/webinar/register/WN_RMZoYhOvQOyMcPi47q!Jiw#/registration)



# ***Stay Connected***

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