

USAC and the Connect America Fund

Coming in 2022:
Performance Measures Testing

December 8, 2021



Universal Service
Administrative Co.

Connect America Fund Goals

- Preserve and advance universal availability of voice service
- Drive universal availability of modern networks capable of providing voice and broadband service to homes, businesses and community anchor institutions
- Drive universal availability of modern networks capable of providing advanced mobile voice and broadband service
- Ensure that rates for broadband and voice services are reasonably comparable in all regions of the nation
- Contain administrative costs and minimize the universal service contribution for consumers and businesses through efficient, effective program management

Connect America Fund Compliance

USAC closely monitors carrier compliance with broadband deployment obligations to safeguard the accountability, transparency and integrity of the Connect America Fund.

Compliance process consists of three steps:

HUBB Portal: Tracking Broadband Deployment

Verification Reviews: Confirming Broadband Deployment

Performance Testing: Measuring Network Speed and Latency

High Cost Universal Broadband (HUBB) Portal

A system that collects the geographic coordinates (latitude and longitude) of locations where carriers are deploying broadband using CAF support

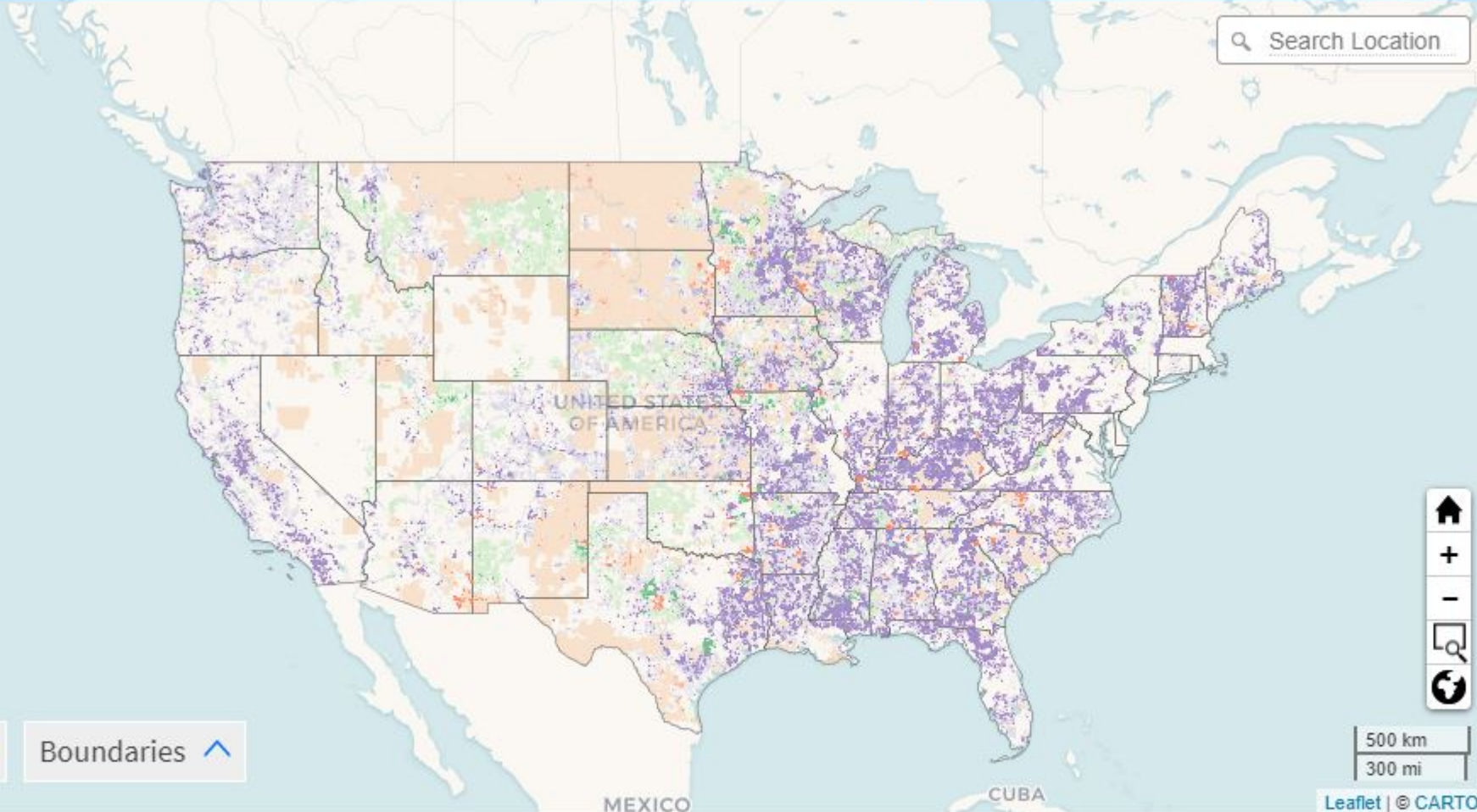
- Tool for collecting location-specific service availability data from carriers across all Connect America Fund (modernized) programs – millions of individual records
- Performs automated, real-time validation of data submissions
 - Checks that latitude and longitude of a reported location fall within area eligible for funding
 - Checks that the location is not a duplicate of one already submitted
- Tracks carrier progress toward meeting deployment obligations, including interim milestones
- Annual HUBB filing deadline is in March for carriers to report broadband deployed with CAF support in the prior calendar year

High Cost Universal Broadband (HUBB) Portal

A system that collects the geographic coordinates (latitude and longitude) of locations where carriers are deploying broadband using CAF support

- Serves as a starting point for verification reviews to confirm deployment to a random sample of locations reported by carriers
- All carriers participating in CAF programs with deployment milestone obligations are subject to verification reviews
- Goal is to verify that a carrier deployed broadband service meeting the FCC's performance standards to a qualifying number of locations by the relevant deployment milestone
- Provides the foundation for the CAF Map, a public map that shows the impact of CAF funding on broadband expansion across rural America

Feedback



Search Location

Fund
All Funds

State
All States

Company Name
Search Company Name

Speed (Applicable only to Local Data)
All Speeds

Deployment Year
All Years

Clear All Filters

Legend Boundaries

500 km
300 mi
Leaflet | © CARTO

State Data Local Data

Displaying 1-25 of 762 records | Download Data

State	Fund	Company Name	Deployment Year	Locations Obligation	Locations Deployed	Total Support Disbursed
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HUBB Filing Obligations by Fund

Carriers in these funds have until March 1, 2022 to file data for all locations deployed in 2021:

- Connect America Fund (CAF) Phase II Model
- Alternative Connect America Cost Model (A-CAM) and Revised ACAM
- ACAM II
- Connect America Fund-Broadband Loop Support (CAF BLS)
- Rural Broadband Experiments (RBE)
- Alaska Plan (other than carriers with individualized performance plans that only require them to maintain service at existing levels)
- Connect America Fund (CAF) Phase II Auction
- Rural Digital Opportunity Fund (RDOF)

Carriers that did not deploy any locations in 2021 must still log into the HUBB and certify "no locations to upload" by March 1, 2022

HUBB Filing Obligations by Fund (Cont.)

Carriers with 2021 deployment milestones must also complete separate milestone certifications as part of the annual HUBB filing and may face verification reviews tied to those milestones to confirm deployment to a random sample of reported locations

- Original and Revised ACAM carriers face a milestone for deploying 10/1 Mbps broadband service, and must be at least 50 percent of the way toward meeting their final 10/1 Mbps build-out obligations by the end of 2021
- Alaska Plan carriers face five-year milestone as of the end of 2021
- CAF II Model carriers faced 100 percent deployment milestone as of the end of 2020
- **ACAM II and CAF II Auction carriers face their first broadband deployment milestone (for 40 percent of required deployments) at the end of 2022**
- **CAF BLS carriers face just one final milestone (for deploying 25/3 Mbps broadband service) by the end of 2023**

Carriers that miss deployment milestones face increased reporting obligations and potential loss of support.

A man with a beard is shown in profile, looking at a tablet device. He is standing in a field of solar panels. The entire image has a blue color cast. The text is overlaid on the right side of the image.

Performance Testing: Measuring Broadband Speed and Latency



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Performance Measures Testing

Carriers that receive CAF support to provide fixed-location broadband must conduct network speed and latency testing and report the results to USAC. Testing mandates currently apply to:

- **Connect America Fund (CAF) Phase II Model**
- **Connect America Fund (CAF) Phase II Auction**
- **Alternative Connect America Cost Model (A-CAM), Revised ACAM and ACAM II**
- **Connect America Fund-Broadband Loop Support (CAF-BLS)**
- **Rural Broadband Experiments (RBE)**
- **Alaska Plan**
- **Rural Digital Opportunity Fund (RDOF)**

The windows to start pre-testing/testing vary by fund and began in 2020 with CAF II Model.

ACAM II, CAF II Auction and CAF BLS carriers start pre-testing in 2022. These carriers should prepare now by determining where they have active subscribers and updating their HUBB data.

Performance Measures Testing

- Carriers must conduct one week of speed and latency testing at a USAC-selected random sample of CAF-supported locations with active subscribers in each quarter of the calendar year
- Carriers must test speed and latency from the customer premises of **active subscribers** to a remote test server located at, or reached by passing through, an FCC-designated Internet exchange point (IXP)
 - Carriers serving areas greater than 500 air miles from an FCC-designated IXP may conduct all required speed and latency testing between the customer premises and the point at which traffic is aggregated for transport to the continental U.S.
- **Carriers must report the test results to USAC as part of the annual compliance process and must report results for 100 percent of subscribers in a sample to be in compliance**

Performance Measures Testing

Carriers can choose from among three options for speed and latency testing:

- Leverage existing Measuring Broadband America (MBA) testing infrastructure by using entities that manage and perform testing for the FCC MBA program
- Use existing network management systems and tools, ping tests and other commonly available performance measurement and network management tools
- Develop own self-testing configuration using software installed on residential gateways or in equipment attached to residential gateways

Performance Measures Testing – Official Testing

- Carriers must submit speed and latency test results from the previous calendar year for each state and speed tier combination to USAC by annual July filing deadline
 - **USAC encourages carriers to file and certify test results on a quarterly basis**
- At least 80 percent of network speed measurements must be at 80 percent of required speeds (as determined by fund) and 95 percent of low-latency measurements must fall at or below 100 milliseconds round-trip time
 - For carriers with high-latency networks, 95 percent of high latency measurements must fall at or below 750 milliseconds round-trip time
 - Carriers with high-latency networks are also subject to Mean Opinion Score (MOS) measurements
- FCC will consider failure to meet speed and latency requirements as a failure to deploy and may withhold support

Performance Measures Testing – Official Testing

- Although carriers have until the following July to submit speed and latency test results from the previous calendar year, USAC encourages carriers to file and certify test results on a quarterly basis
- USAC will provide quarterly compliance reports to carriers that file and certify test data on a quarterly basis to allow them to track their progress in meeting speed and latency metrics and address any shortfalls before the end of the year
 - Note that PMM compliance is calculated using only certified data – Don't forget to certify
- Final compliance is calculated annually
 - USAC will only calculate final compliance for the year – and withhold support from carriers that fail meet speed and latency requirements – after carriers submit and certify test data for all four quarters
 - There is no penalty for failing to meet speed and latency requirements in one quarter if a carrier's results for the full year (all four quarters) are in compliance

Performance Measures Testing – Pre-Testing

- Before official testing, carriers are subject to a “pre-testing” period for one week of each quarter of the calendar year
- During pre-testing, carriers must test speed and latency at a random sample of subscriber locations and **submit the results to USAC within one week of the end of the quarter**
- Carriers will not face withholding of support for failing to meet speed and latency standards during pre-testing, but will be subject to withholding if they fail to submit the required testing results

Schedule for Pre-Testing and Testing

Schedule for Pre-Testing and Testing

Program	Pre-testing start date	Testing start date
CAF Phase II (Price-cap carrier funding)	January 1, 2020	July 1, 2020
Rural Broadband Experiments	January 1, 2021	January 1, 2022
Alaska Plan	January 1, 2021	January 1, 2022
A-CAM I	January 1, 2021	January 1, 2022
A-CAM I Revised	January 1, 2021	January 1, 2022
ACAM II	January 1, 2022	January 1, 2023
Legacy Rate of Return	January 1, 2022	January 1, 2023
CAF II Auction	January 1, 2022	January 1, 2023
New NY Broadband Program	January 1, 2022	January 1, 2023

Performance Measures Pre-Testing in 2022

Fund	Pre-Testing Start	Pre-Testing End	Pre-Testing Data Filing Deadlines	Official Testing Start Date	Testing Data Filing Deadlines
ACAM II	1/1/22	12/31/22	4/7/22; 7/7/22; 10/7/22; 1/7/23	1/1/23	7/7/24
CAF BLS	1/1/22	12/31/22	4/7/22; 7/7/22; 10/7/22; 1/7/23	1/1/23	7/7/24
CAFII Auction (NY Broadband)	1/1/22	12/31/22	4/7/22; 7/7/22; 10/7/22; 1/7/23	1/1/23	7/7/24

Performance Measurement Module (PMM)

- Collects carrier data on which locations in the HUBB have active subscribers
- Generates a random sample of those locations for speed and latency testing and provides the obligated speed tiers to be tested
 - Obligated speed tiers are based on the speed tiers reported for those locations in the HUBB compared with the speeds carriers are required to deliver
- Collects the actual speed and latency test data from carriers
- Calculates compliance with performance measures standards based on **certified** test results.

Performance Measurement Module

How It Works:

- Carriers download certified locations already filed in the HUBB
 - Data provided in CSV file (template for subscriber upload)
- Carriers add subscriber IDs as unique identifiers for locations with active subscribers
 - Do not use personally identifiable information (PII) for subscriber IDs
- Carriers upload CSV file with subscriber IDs into the PMM
 - Only include HUBB locations with subscriber IDs
- PMM generates a random sample of locations with active subscribers for testing, along with the obligated speed tiers to be tested
- Carriers must test up to 50 locations for each speed tier per state, depending on the number of subscribers a carrier has in each state and speed tier

Performance Measurement Module

How It Works (cont.)

- Carriers must use the same locations for speed and latency testing
 - All speed tests for the sample must be conducted in the same week and all latency tests for the sample must be conducted in the same week
 - Speed and latency tests may be conducted in different weeks
 - Carriers must conduct testing between 6 p.m. and 12 a.m. local time
- Carriers upload speed and latency test results to PMM using CSV files
 - Separate CSV templates for Speed and Latency results
 - Carriers must submit all test results
- Carriers cannot edit the number of units for HUBB records for subscriber locations selected for testing
- Carriers must obtain a new random sample after two years of testing/pre-testing

Performance Measures Testing – Samples

- Sample by State
 - Carriers receive samples for each state they are authorized in
- Sample by Speed Tier
 - Carriers in funds with multiple speed tier obligations get samples for each speed tier
 - For example, ACAM II has obligations for 4/1 and 25/3, so ACAM II carriers will get two samples
- Sample Size
 - Sample size is based on the number of subscribers submitted
 - Maximum of 50 subscribers to test per sample

Performance Measures Testing – Sample Management

- Replacing subscribers
 - To replace a selected subscriber with the next randomly selected one, a carrier must provide a reason:
 - Subscriber Refused to Allow Installation of Testing Equipment
 - Subscriber Dropped Service (no longer active)
 - Subscriber Demands Removal of Testing Equipment
 - Subscriber Subscribes to Lower Speed Than Being Tested
 - Natural Disaster
 - Other – Requires Explanation and USAC / FCC Review
- Adding subscribers
 - Carriers may request additional randomly selected subscribers to test, but are responsible for submitting test data for any additional subscribers
- No Valid Subscribers
 - Carriers that cannot find five active subscribers to test are subject to verification that more subscribers are not available

Performance Measurement Module

- The PMM is open now for ACAM II, CAF II Auction and CAF BLS carriers to upload subscriber location data
- Coming very soon: USAC will notify ACAM II, CAF II Auction and CAF BLS carriers when the system is ready to generate random samples for testing
- Carriers should prepare NOW by:
 - Collecting data on where they have active subscribers
 - Start now since this process can take time
 - Carriers with locations in the HUBB can download their deployment data from the HUBB into the CSV template and add subscriber IDs to serve as unique identifiers for locations with subscribers
 - Updating their broadband deployment data in the HUBB to be as accurate, complete and current as possible

Performance Measurement Module

Before uploading subscriber location data into the PMM, carriers should be sure their deployment data in the HUBB is as up-to-date, accurate and complete as possible

- Begin filing 2021 deployment data in the HUBB now so that these locations can potentially be included in the random samples for performance testing
- Make any necessary edits to latitude and longitude coordinates, address information, etc. for locations already in the HUBB
- Update speed tier data for locations already in the HUBB to reflect network upgrades
 - Speed tier data reported in the HUBB will be used to generate the obligated speed tiers for testing for any locations selected for a PMM random sample
 - Obligated speed tiers are based on the speed tiers reported in the HUBB compared with the speeds that carriers are required to deliver
 - Obligated speed tiers will soon be locked for locations already in the HUBB

Performance Measures Testing – Carriers with No HUBB Data

- Some carriers do not have location data in the HUBB yet because they do not face deployment milestones yet:
 - ACAM II and CAF II Auction carriers do not face their first broadband deployment milestone (for 40 percent of required deployments) until the end of 2022
 - CAF BLS carriers only face one final milestone (for deploying 25/3 Mbps broadband service) at the end of 2023
- These carriers are not required to conduct pre-testing until they have deployment data in the HUBB, but should plan to begin pre-testing within one quarter after they do

Performance Measures Testing – Carriers with No HUBB Data

Some CAF BLS carriers may not report any or most of their deployment data in the HUBB because the HUBB will not accept any CAF BLS locations deployed before May 25, 2016

- This includes CAF BLS carriers that were fully deployed at speeds of at least 25/3 Mbps to all locations in their study area by May 25, 2016 or become fully deployed after that date
- These carriers do have to conduct quarterly pre-testing starting in 2022
- USAC will follow up with CAF BLS carriers that do not have enough locations in the HUBB to generate a random location sample
- USAC will help these carriers upload their subscriber information so that they can obtain random subscriber location samples to begin speed and latency pre-testing in 2022
- **These carriers should prepare now by collecting data on where they have active subscribers**

A man with a beard, wearing a dark t-shirt and a vest, is shown in profile from the waist up, looking at a tablet computer he is holding with both hands. He is standing in a field. In the background, there are several rows of solar panels mounted on a structure, possibly a greenhouse or a solar farm. The sky is filled with large, white clouds. The entire image has a blue color cast.

Performance Measures Module: A Walkthrough of the PMM



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Performance Measures Testing Process Overview

- Step 1 – Update Your HUBB Data – **Available Now**
 - Clean up your HUBB data and update speed tier data to reflect network upgrades
 - Upload and certify any 2021 deployments you want included in your pool
- Step 2 – Download HUBB Locations & Compile Subscribers – **Available Now**
 - Download your list of all certified locations from HUBB
 - Identify which locations have active subscribers
 - Complete subscriber template with subscriber ID (no PII)
- Step 3 – Upload Subscriber Locations to PMM – **Available Now**
- Step 4 - Submit data to randomizer – **Coming Soon**
 - Generate sample – PMM will generate a random sample of subscribers
 - Download sample files
- Step 5 – Start testing

Step 1 – Get Current Certified HUBB Data

Upload Subscriber List

 330 days left to Upload Subscribers.

Step 1: Generate and Download your HUBB data file.
This file will have a column for you to add your Subscriber IDs.

[Generate HUBB Data](#)



Click here to get a CSV file with HUBB locations

Step 2: Upload the downloaded HUBB Data file with your Subscriber IDs.
For more information on data validation and formatting rules, click on [Detailed Instructions](#).

[Upload Subscriber File](#)

Recently Uploaded Files

File Name	Uploaded	Progress	Records Uploaded	Records Saved	Data Errors	Download Errors	Delete
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Subscriber Upload Information

- Autosaved Locations:** Files uploaded that do not contain errors will be saved in the system. They will be counted towards the sampled subscriber locations, used in the randomizer.
- Locations with errors:** Files uploaded that contain one or more errors will not be saved in the system. Please download your error file, delete the original file, make the necessary changes, and re-upload the clean file.

Subscriber Data Upload Template File - Before

	A	B	C	D	E	F	G	H	I	J
1	SAC	Latitude	Longitude	Address	State	Speed Tier	# of Units	Carrier Location ID	HUBB Location ID	Subscriber ID(s)
2	250283	33.91935	-86.4103	ADDRESS / VA		6	15600	6010201	38712807	
3	250283	33.89576	-86.3793	ADDRESS / VA		6	200	6010202	38712808	
4	250283	33.89783	-86.3591	ADDRESS / VA		6	6300	6010203	38712809	
5	613004	61.58238	-159.539	ADDRESS / VA		6	300	6010203	38712810	
6	613004	61.57872	-159.527	ADDRESS / VA		6	37800	6010203	38712811	
7	613004	61.57796	-159.561	ADDRESS / VA		6	300	6010203	38712812	
8	250283	33.91935	-86.4103	ADDRESS / VA		6	15600	6010201	38712813	
9	250283	33.89576	-86.3793	ADDRESS / VA		6	200	6010202	38712814	
10	250283	33.89783	-86.3591	ADDRESS / VA		6	6300	6010203	38712815	
11	613004	61.58238	-159.539	ADDRESS / VA		6	300	6010203	38712816	
12	613004	61.57872	-159.527	ADDRESS / VA		6	37800	6010203	38712817	
13	613004	61.57796	-159.561	ADDRESS / VA		6	300	6010203	38712818	
14	250283	33.91925	-86.4104	ADDRESS / VA		6	15600	6010201	38712819	
15	250283	33.89566	-86.3798	ADDRESS / VA		6	200	6010202	38712820	
16	250283	33.89784	-86.3591	ADDRESS / VA		6	6300	6010203	38712821	
17	613004	61.58248	-159.539	ADDRESS / VA		6	300	6010203	38712822	
18	613004	61.57874	-159.526	ADDRESS / VA		6	37800	6010203	38712823	
19	613004	61.57786	-159.56	ADDRESS / VA		6	300	6010203	38712824	



Blank column to add Subscriber IDs



Latitude, Longitude and Address will be blank for CAF-BLS special exception carriers

Step 2 – Compile Subscriber Information

Subscriber Data Upload Template File - After

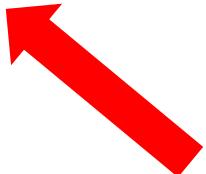
	A	B	C	D	E	F	G	H	I	J
1	SAC	Latitude	Longitude	Address	State	Speed Tier	# of Units	Carrier Location ID	HUBB Location ID	Subscriber ID(s)
2	250283	33.91935	-86.4103	ADDRESS	VA	6	15600	6010201	38712807	1
3	250283	33.89576	-86.3793	ADDRESS	VA	6	200	6010202	38712808	2
4	250283	33.89783	-86.3591	ADDRESS	VA	6	6300	6010203	38712809	3;20;22
5	613004	61.58238	-159.539	ADDRESS	VA	6	300	6010203	38712810	4
6	613004	61.57872	-159.527	ADDRESS	VA	6	37800	6010203	38712811	
7	613004	61.57796	-159.561	ADDRESS	VA	6	300	6010203	38712812	6
8	250283	33.91935	-86.4103	ADDRESS	VA	6	15600	6010201	38712813	7
9	250283	33.89576	-86.3793	ADDRESS	VA	6	200	6010202	38712814	8
10	250283	33.89783	-86.3591	ADDRESS	VA	6	6300	6010203	38712815	9
11	613004	61.58238	-159.539	ADDRESS	VA	6	300	6010203	38712816	10
12	613004	61.57872	-159.527	ADDRESS	VA	6	37800	6010203	38712817	11
13	613004	61.57796	-159.561	ADDRESS	VA	6	300	6010203	38712818	12
14	250283	33.91925	-86.4104	ADDRESS	VA	6	15600	6010201	38712819	13;30;31;32
15	250283	33.89566	-86.3798	ADDRESS	VA	6	200	6010202	38712820	14



Add Subscriber IDs here



Leave Subscriber ID blank or delete this row if no active Subscribers at this location



Latitude, Longitude and Address will be blank for CAF-BLS special exception carriers

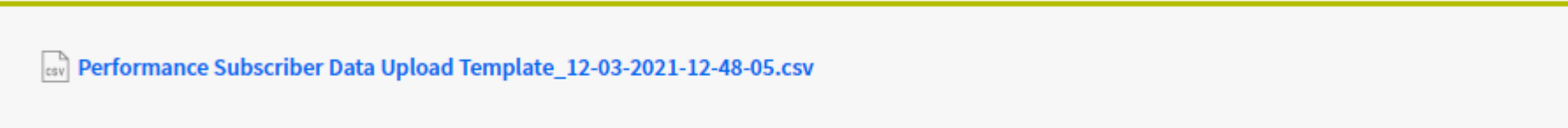


For locations with multiple units and subscribers, separate Subscriber IDs with a semi colon

Step 3 – Upload Subscriber Information

Step 1: Generate and Download your HUBB data file.
This file will have a column for you to add your Subscriber IDs.

[Generate HUBB Data](#)



Step 2: Upload the downloaded HUBB Data file with your Subscriber IDs by Fund.
For more information on data validation and formatting rules, click on [Detailed Instructions](#).

Select Fund

AMM

Select Fund

Select Fund

[Upload Subscriber File](#)

Upload File

Step 3 – Upload Subscriber Information

Upload Subscriber List

330 days left to Upload Subscribers.

Step 1: Generate and Download your HUBB data file. This file will have a column for you to add your Subscriber IDs.

Generate HUBB Data

Performance Subscriber Data Upload Template_09-26-2019-14-28-41.csv

Step 2: Upload the downloaded HUBB Data file with your Subscriber IDs. For more information on data validation and formatting rules, click on Detailed Instructions.

Upload Subscriber File

Uploaded Subscriber CSV file(s) listed here

Number of data errors in file

Recently Uploaded Files

File Name	Uploaded	Progress	Records Uploaded	Records Saved	Data Errors	Download Errors	Delete
Performance Subscriber Data Upload Template_09-26-2019-14-28-41 TW.csv	09/26/2019 2:36:57PM	✔	18	13	5	Download	Delete



Green check when upload complete

Download error file

Step 3 – Upload Subscriber Information

Subscriber Data Issue Log File

	A	B	C	D
1	Row #	HUBB Location ID	Subscriber	Issue Code
2	2		1	HUBB_LOCATION_ID_REQUIRED
3	3	3871280aaa8	2	HUBB_LOCATION_ID_INVALID_FORMAT
4	4	38712809	3	HUBB_LOCATION_ID_INVALID_DUPLICATE
5	5	38712809	4	HUBB_LOCATION_ID_INVALID_DUPLICATE
6	6	38712811		SUBSCRIBER_ID_REQUIRED
7				



Indicates that no Subscriber ID was submitted. If no subscriber is available delete this row

Tips:

- 1. When using the HUBB Generated file, delete any rows without subscribers by right clicking and selecting delete rows
- 2. The HUBB Location ID and Subscriber ID are the only required fields for uploading subscriber data into the PMM system.
- 3. HUBB does not contain personally identifiable information (PII). For this reason, when assigning SIDs, carriers should not use their subscriber's PII.

Step 4 – Submit to Randomizer

Subscriber Detail

ACAMII : 28 days left to Submit Subscribers to the Randomizer.

ACAM II,AK PLAN,CAF BLS,CAFII AUC : 29 days left to Submit Subscribers to the Randomizer.

Below is your list of auto-saved HUBB locations with Subscriber IDs.

Please view the table below to see data for all Funds and SACs or use the filter to view data for a specific Fund and SAC.

Once you have completed uploading and reviewing your Subscriber data, please press the "Submit to Randomizer" button to send your data to the Randomizer tool.

After you have clicked "Submit to Randomizer", all subscriber data will be sent to the Randomizer tool and will no longer be visible on this page. Test subjects must be randomly selected every two years from among the provider's active subscribers in each service tier in each state. Once subscribers are uploaded for the cycle, carriers can not add additional subscribers until the next sample is generated with the new two-year cycle.

Fund: SAC: Clear All Filter

[Download Filtered Data](#)  **Download data to keep for your records of subscriber file**

Displaying 0-0 of 0 records

Fund	SAC	Latitude	Longitude	State	Address	Speed Tier	# of Units	Carrier Location ID	HUBB Location ID	# of Subscriber IDs
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Once reviewed and no errors,select submit to randomizer  Submit to Randomizer

Step 4– Submit to Randomizer

Subscriber Detail

ACAMII : 28 days left to Submit Subscribers to the Randomizer.

ACAM II, AMTAN, CAF BLS, CAFII AUC : 29 days left to Submit Subscribers to the Randomizer.

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Fund: SAC: [Clear All](#) [Filter](#)

[Download Filtered Data](#)

Displaying 0-0 of 0 records

Fund	SAC	Latitude	Longitude	State	Address	Speed Tier	# of Units	Carrier Location ID	HUBB Location ID	# of Subscriber IDs
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Show records/page

< 1 > of 0 pages

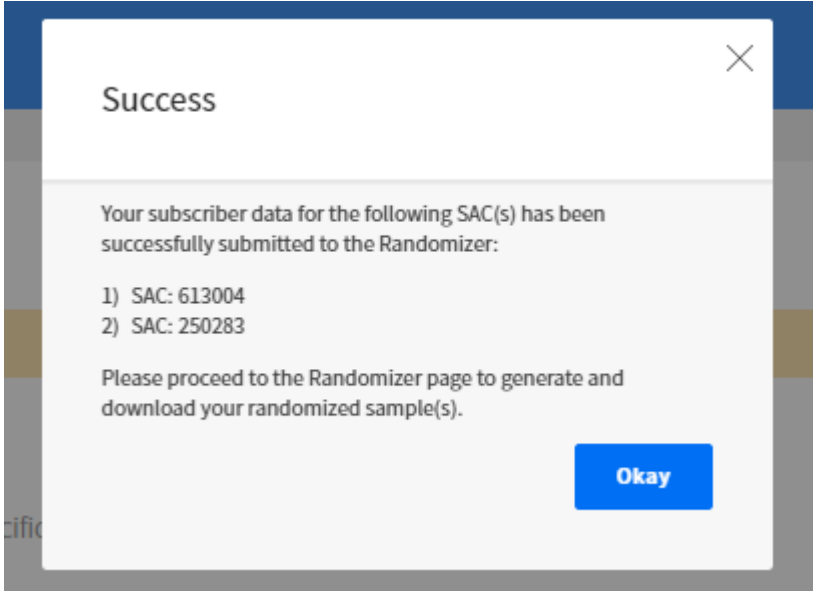
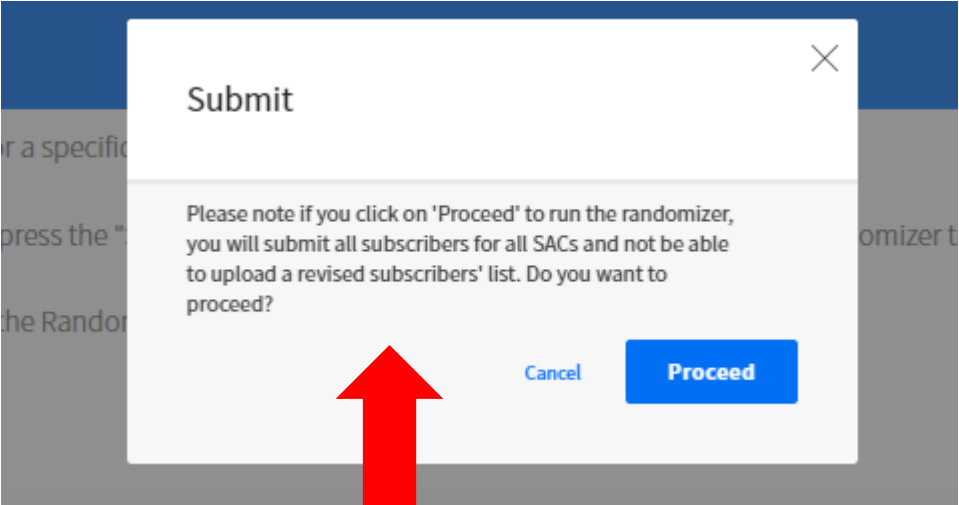
If errors are identified prior to generating sample, you may undo by selecting revert randomizer



[Revert Randomizer](#) [Submit to Randomizer](#)

Step 4 – Submit to Randomizer

Important



Read and be sure you have uploaded
All subscribers for All SACs
before clicking Proceed

Step 5 – Generate Samples

Randomizer Samples

Generate your randomized data samples below. The amount of subscribers listed in each sample is based on the total number of subscribers in each state for a speed tier.

Sample List

5 days left to make changes to your randomized samples for Q3 2019.

Select State

Generate Sample	SAC	State	Speed Tier	Created On	Created By	Status	Replace Subscribers ⓘ	Actions	No Valid Subscribers ⓘ
Generate	250283	VA	6	-	-	-	-		-
Generate	613004	VA	6	-	-	-	-		-



Once you submit to randomizer, click here to generate your samples

Step 6 – Download Samples

Randomizer Samples

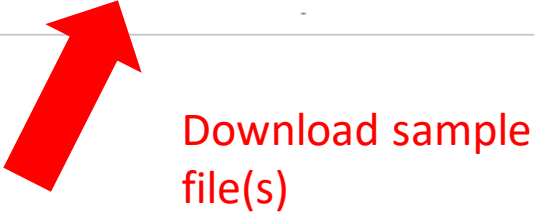
Generate your randomized data samples below. The amount of subscribers listed in each sample is based on the total number of subscribers in each state for a speed tier.

Sample List

5 days left to make changes to your randomized samples for Q3 2019.

Select State

Generate Sample	SAC	State	Speed Tier	Created On	Created By	Status	Replace Subscribers ⓘ	Actions	No Valid Subscribers ⓘ
-	250283	VA	6	09/26/2019 02:47:29 PM	uat.test@usac.org	Ready for Download	Replace	↓ +	-
Generate	613004	VA	6	-	-	-	-	-	-



Step 6 – Download Samples

Subscriber Sample Data File

	A	B	C	D	E	F	G	H	I	J
1	SAC	Latitude	Longitude	State	Address	Speed Tier	# of Units	Carrier Location ID	HUBB Location ID	Subscriber ID
2	250283	33.91935	-86.4103	VA	ADDRESS /	6	15600	6010201	38712813	7
3	250283	33.89576	-86.3793	VA	ADDRESS /	6	200	6010202	38712814	8
4	250283	33.89783	-86.3591	VA	ADDRESS /	6	6300	6010203	38712815	9
5	250283	33.89566	-86.3798	VA	ADDRESS /	6	200	6010202	38712820	14
6	250283	33.89784	-86.3591	VA	ADDRESS /	6	6300	6010203	38712821	15

Manage Sample

Randomizer Samples

Generate your randomized data samples below. The amount of subscribers listed in each sample is based on the total number of subscribers in each state for a speed tier.

Sample List

5 days left to make changes to your randomized samples for Q3 2019.

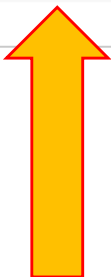
Select State

Generate Sample	SAC	State	Speed Tier	Created On	Created By	Status	Replace Subscribers ⓘ	Actions	No Valid Subscribers ⓘ
-	250283	VA	6	09/26/2019 02:47:29 PM	uat.test@usac.org	Ready for Download	Replace	↓ +	-
Generate	613004	VA	6	-	-	-			-

Click here to Replace a Subscriber



Click here to Supplement Subscribers



Replace Subscriber(s)

Replace Subscribers - SAC: 250283 State: VA Speed Tier: 6

Please select a reason and one or many Subscriber IDs to replace.

Reason

Displaying 1-5 of 5 records

Subscriber ID
<input type="checkbox"/> 7
<input type="checkbox"/> 8
<input type="checkbox"/> 9
<input type="checkbox"/> 14
<input type="checkbox"/> 15

< 1 > of 1 pages

Cancel

Select which Subscriber(s) to Replace



Select a reason for Replacing subscriber(s)



Replace Subscribers - SAC: 250283 State: VA Speed Tier: 6

Please select a reason and one or many Subscriber IDs to replace.

Reason

- Please select a reason
- Subscriber does not want to be tested**
- Subscriber dropped service (no longer active)
- Subscriber withdraws from the testing program
- Subscriber equipment does not support testing
- Subscriber down- or up-graded their service level and no longer meets sample requirement
- Natural Disaster
- Other

<input type="checkbox"/> 9
<input type="checkbox"/> 14
<input type="checkbox"/> 15

< 1 > of 1 pages

Cancel

Replace Subscriber(s) – Other Reason Code

Replace Subscribers - SAC: 250283 State: VA Speed Tier: 6

Please select a reason and one or many Subscriber IDs to replace.

Reason

86/100

Please note it may take 2-5 business days for an Admin to review your request.

Displaying 1-5 of 5 records

Subscriber ID
<input checked="" type="checkbox"/> 7
<input type="checkbox"/> 8
<input type="checkbox"/> 9
<input type="checkbox"/> 14
<input type="checkbox"/> 15

< 1 > of 1 pages

[Cancel](#) [Replace](#)



When using the Other reason code; provide a text description of the reason

Supplement Subscribers

Tip: Supplement subscribers increases the sample size. It does **NOT** allow you to add more subscribers to select from the replacement process. For that use No Valid Subscriber Process

Need Additional Subscribers?

Please provide the number of additional subscriber locations you would like to test:

Please note that you are obligated to provide performance data for the subscriber locations in the sample **INCLUDING** the additional requested subscriber locations.

I have read and understood the statement above.

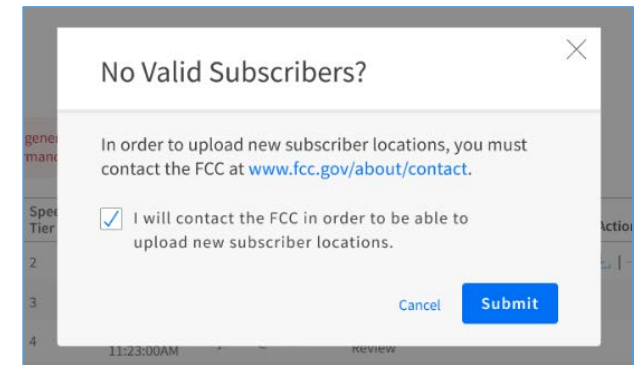
[Cancel](#) [Request Additional Subscribers](#)



Important
If you add Additional Subscribers, you will be required to submit data for those subscribers in addition to your original sample

No Valid Subscribers (No more subscribers available for replacement)

1. Click the icon for 'No Valid Subscribers' when there are no more subscribers to supplement or replace within a SAC, State and Speed Tier.
2. There will be a modal informing you to contact the FCC. You are not required to contact the FCC, the process is automated once the checkbox is selected and submit action is taken.
3. Check the checkbox.
4. Click 'Submit' button to submit the request and exit the screen.
5. Click 'Cancel' to cancel the No Valid Subscriber request and exit the screen.



No Valid Subscribers (No more subscribers available for replacement)

1. Once the no valid process is initiated, navigate back to the randomizer page.
2. The status column will indicate pending upload.
3. Follow the subscriber upload process and upload additional subscribers.
4. Once the subscriber upload process is complete, the status column will indicate pending review.
5. Upon review and approval of the subscriber replacement, the status column will update to Ready.
6. The new random sample is available for download

Performance Measurement Process – Subscriber Replacement

- **Able to Collect Data for all Subscribers in Quarter**
 - **First Submit and Certify data for the Quarter**
 - Then Request replacement of subscriber with the next randomly selected one
 - Provide a reason for Replacing the Subscriber
 - See list of valid replacement reasons

- **Unable to Collect Data for Subscriber in Quarter**
 - Request replacement of subscriber with the next randomly selected one
 - Provide a reason for Replacing the Subscriber
 - See list of valid replacement reasons
 - Submit all available data for active subscribers
 - **Last Step: Certify data for Quarter**

Step 7 – Submit Performance Data – Speed and Latency Test Results

Universal Service Administrative Co. Performance Measures Module [Sign Out](#)

[Upload Subscribers](#) [Subscriber Detail](#) [Randomizer](#) [Performance Data](#)

[Upload Data](#) [Review Data](#) [Certify Data](#) [Compliance Report](#)

Upload Performance Data

58 days left to submit and certify performance data for Q4 2020.

This module allows you to upload performance test data for both speed tier and latency testing for all the subscribers provided in your samples. To upload your performance test data, follow the steps below.

Step 1: Download Speed and Latency data templates for submitting your subscriber locations test results.

- SpeedTestingTemplate.csv
- LowLatencyTestingTemplate.csv



Download the current Speed and Latency CSV templates



Step 7 – Submit Performance Data – Speed Test Results

Speed Testing Template Sample

	A	B	C	D	E	F	G	H	I	J
1	HUBB Location ID	Subscriber ID	Speed Type	IP Target	Start Test	End Test	Bytes	Test Status	Comment	
2	12345678	2	1	64.XXX.X.X	2020-10-03 23:00:03:000-06:00	2020-10-03 23:00:05:000-06:00	1	1		
3	12345678	2	1	64.XXX.X.X	2020-10-04 23:00:03:000-06:00	2020-10-04 23:00:05:000-06:00	1	1		
4	12345678	2	1	64.XXX.X.X	2020-10-10 23:00:03:000-06:00	2020-10-10 23:00:05:000-06:00	1	1		
5	12345678	2	1	64.XXX.X.X	2020-10-06 23:00:03:000-06:00	2020-10-06 23:00:05:000-06:00	1	1		
6	12345678	2	1	64.XXX.X.X	2020-10-07 23:00:03:000-06:00	2020-10-07 23:00:05:000-06:00	1	1		
7	12345678	2	1	64.XXX.X.X	2020-10-08 23:00:03:000-06:00	2020-10-08 23:00:05:000-06:00	1	1		
8	12345678	2	1	64.XXX.X.X	2020-10-09 23:00:03:000-06:00	2020-10-09 23:00:05:000-06:00	1	1		
9	12345678	3	1	64.XXX.X.X	2020-10-03 23:00:03:000-06:00	2020-10-03 23:00:05:000-06:00	1	+	1	
10	12345678	3	1	64.XXX.X.X	2020-10-04 23:00:03:000-06:00	2020-10-04 23:00:05:000-06:00	1	1		
11	12345678	3	1	64.XXX.X.X	2020-10-10 23:00:03:000-06:00	2020-10-10 23:00:05:000-06:00	1	1		
12	12345678	3	1	64.XXX.X.X	2020-10-06 23:00:03:000-06:00	2020-10-06 23:00:05:000-06:00	1	1		
13	12345678	3	1	64.XXX.X.X	2020-10-07 23:00:03:000-06:00	2020-10-07 23:00:05:000-06:00	1	1		
14	12345678	3	1	64.XXX.X.X	2020-10-08 23:00:03:000-06:00	2020-10-08 23:00:05:000-06:00	1	1		
15	12345678	3	1	64.XXX.X.X	2020-10-09 23:00:03:000-06:00	2020-10-09 23:00:05:000-06:00	1	1		
16	12345678	4	1	64.XXX.X.X	2020-10-03 23:00:03:000-06:00	2020-10-03 23:00:05:000-06:00	1	1		
17	12345678	4	1	64.XXX.X.X	2020-10-04 23:00:03:000-06:00	2020-10-04 23:00:05:000-06:00	1	1		
18	12345678	4	1	64.XXX.X.X	2020-10-10 23:00:03:000-06:00	2020-10-10 23:00:05:000-06:00	1	1		
19	12345678	4	1	64.XXX.X.X	2020-10-06 23:00:03:000-06:00	2020-10-06 23:00:05:000-06:00	1	1		
20	12345678	4	1	64.XXX.X.X	2020-10-07 23:00:03:000-06:00	2020-10-07 23:00:05:000-06:00	1	1		
21	12345678	4	1	64.XXX.X.X	2020-10-08 23:00:03:000-06:00	2020-10-08 23:00:05:000-06:00	2075900	1		
22	12345678	4	1	64.XXX.X.X	2020-10-09 23:00:03:000-06:00	2020-10-09 23:00:05:000-06:00	2075900	1		

Step 7 – Submit Performance Data –Latency Test Results

Latency Testing Template Sample

	A	B	C	D	E	F	G	H	I	J
1	HUBB Location ID	Subscriber ID	IP Target	Start Test	Latency	Packets sent	Packets received	Test Status	Comment	
2	12345678	2	64.XXX.X.)	2020-10-03 23:00:03:000-06:00	75	3	3	1		
3	12345678	2	64.XXX.X.)	2020-10-04 23:00:03:000-06:00	75	3	3	1		
4	12345678	2	64.XXX.X.)	2020-10-10 23:00:03:000-06:00	75	3	3	1		
5	12345678	2	64.XXX.X.)	2020-10-06 23:00:03:000-06:00	75	3	3	1		
6	12345678	2	64.XXX.X.)	2020-10-07 23:00:03:000-06:00	75	3	3	1		
7	12345678	2	64.XXX.X.)	2020-10-08 23:00:03:000-06:00	75	3	3	1		
8	12345678	2	64.XXX.X.)	2020-10-09 23:00:03:000-06:00	75	3	3	1	+	
9	12345678	3	64.XXX.X.)	2020-10-03 23:00:03:000-06:00	75	3	3	1		
10	12345678	3	64.XXX.X.)	2020-10-04 23:00:03:000-06:00	75	3	3	1		
11	12345678	3	64.XXX.X.)	2020-10-10 23:00:03:000-06:00	75	3	3	1		
12	12345678	3	64.XXX.X.)	2020-10-06 23:00:03:000-06:00	75	3	3	1		
13	12345678	3	64.XXX.X.)	2020-10-07 23:00:03:000-06:00	75	3	3	1		
14	12345678	3	64.XXX.X.)	2020-10-08 23:00:03:000-06:00	75	3	3	1		
15	12345678	3	64.XXX.X.)	2020-10-09 23:00:03:000-06:00	75	3	3	1		
16	12345678	4	64.XXX.X.)	2020-10-03 23:00:03:000-06:00	75	3	3	1		
17	12345678	4	64.XXX.X.)	2020-10-04 23:00:03:000-06:00	75	3	3	1		
18	12345678	4	64.XXX.X.)	2020-10-10 23:00:03:000-06:00	75	3	3	1		
19	12345678	4	64.XXX.X.)	2020-10-06 23:00:03:000-06:00	75	3	3	1		
20	12345678	4	64.XXX.X.)	2020-10-07 23:00:03:000-06:00	75	3	3	1		
21	12345678	4	64.XXX.X.)	2020-10-08 23:00:03:000-06:00	75	3	3	1		
22	12345678	4	64.XXX.X.)	2020-10-09 23:00:03:000-06:00	75	3	3	1		

Step 7 – Submit Performance Data – Speed and Latency Test Results

WISCONSIN TELECOM SERVICES

Select Fund

Select State

Select Sample

Select File Type

Select Start Date
of 7 day data submission period

MM/DD/YYYY



Select which sample you are submitting data for

Upload Performance Data



Click here to upload Performance data

Step 7 – Submit Performance Data – Speed and Latency Test Results

Recently Uploaded Files

Filter By: Fund State Sample

Displaying 1-5 of 5 records

File Name	Uploaded On	Start Date	Progress	Records Uploaded	Records Saved	Data Errors	Download Errors	Delete
613000_Latency_Q2_2021_0523_05291622582890266.csv	12/01/2021 4:40:36PM	05/23/2021	✔	122661	112033	10628	Download	Delete
613000_Speed_Test_Q2_2021_0523-05291622580875862.csv	12/01/2021 4:40:23PM	05/23/2021	✔	59377	0	59377	Download	Delete
LLT_100percent_1007_MS.csv	11/17/2021 11:35:43AM	10/02/2021	✔	2520	2520	0	-	Delete
Speedtest_upload_42_MS.csv	11/17/2021 11:35:38AM	10/02/2021	✔	42	42	0	-	Delete
Speedtest_download_42_MS.csv	11/17/2021 11:32:37AM	10/02/2021	✔	42	42	0	-	Delete

Show records/page

< 1 > of 1 pages

Number of error in the file uploaded



Green check when upload is complete

Click here to Download Error file

Step 7 – Submit Performance Data – Speed and Latency Test Results

Performance Data Download Errors Export

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Row #	HUBB Location ID	Subscriber ID	Speed Type	IP Target	Start Test	End Test	Bytes	Test Statu	Comment	Issue Code (s)					
2	7	12345678	2	1	64.XXX.X.X	2020-10-03 23:00:03:000-06:00	2020-10-03 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
3	13	12345678	2	1	64.XXX.X.X	2020-10-04 23:00:03:000-06:00	2020-10-04 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
4	19	12345678	2	1	64.XXX.X.X	2020-10-10 23:00:03:000-06:00	2020-10-10 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
5	25	12345678	2	1	64.XXX.X.X	2020-10-06 23:00:03:000-06:00	2020-10-06 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
6	31	12345678	2	1	64.XXX.X.X	2020-10-07 23:00:03:000-06:00	2020-10-07 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
7	37	12345678	2	1	64.XXX.X.X	2020-10-08 23:00:03:000-06:00	2020-10-08 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
8	43	12345678	2	1	64.XXX.X.X	2020-10-09 23:00:03:000-06:00	2020-10-09 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
9	49	12345678	3	1	64.XXX.X.X	2020-10-03 23:00:03:000-06:00	2020-10-03 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
10	55	12345678	3	1	64.XXX.X.X	2020-10-04 23:00:03:000-06:00	2020-10-04 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
11	61	12345678	3	1	64.XXX.X.X	2020-10-10 23:00:03:000-06:00	2020-10-10 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
12	67	12345678	3	1	64.XXX.X.X	2020-10-06 23:00:03:000-06:00	2020-10-06 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
13	73	12345678	3	1	64.XXX.X.X	2020-10-07 23:00:03:000-06:00	2020-10-07 23:00:05:000-06:00	1	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
14	79	12345678	3	1	64.XXX.X.X	2020-10-08 23:00:03:000-06:00	2020-10-08 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
15	85	12345678	3	1	64.XXX.X.X	2020-10-09 23:00:03:000-06:00	2020-10-09 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
16	91	12345678	4	1	64.XXX.X.X	2020-10-03 23:00:03:000-06:00	2020-10-03 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
17	97	12345678	4	1	64.XXX.X.X	2020-10-04 23:00:03:000-06:00	2020-10-04 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
18	103	12345678	4	1	64.XXX.X.X	2020-10-10 23:00:03:000-06:00	2020-10-10 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
19	109	12345678	4	1	64.XXX.X.X	2020-10-06 23:00:03:000-06:00	2020-10-06 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
20	115	12345678	4	1	64.XXX.X.X	2020-10-07 23:00:03:000-06:00	2020-10-07 23:00:05:000-06:00	1	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
21	121	12345678	4	1	64.XXX.X.X	2020-10-08 23:00:03:000-06:00	2020-10-08 23:00:05:000-06:00	2075900	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
22	127	12345678	4	1	64.XXX.X.X	2020-10-09 23:00:03:000-06:00	2020-10-09 23:00:05:000-06:00	2075900	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
23	133	12345678	5	1	64.XXX.X.X	2020-10-03 23:00:03:000-06:00	2020-10-03 23:00:05:000-06:00	2075900	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
24	139	12345678	5	1	64.XXX.X.X	2020-10-04 23:00:03:000-06:00	2020-10-04 23:00:05:000-06:00	2075900	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
25	145	12345678	5	1	64.XXX.X.X	2020-10-10 23:00:03:000-06:00	2020-10-10 23:00:05:000-06:00	2075900	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
26	151	12345678	5	1	64.XXX.X.X	2020-10-06 23:00:03:000-06:00	2020-10-06 23:00:05:000-06:00	2075900	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
27	157	12345678	5	1	64.XXX.X.X	2020-10-07 23:00:03:000-06:00	2020-10-07 23:00:05:000-06:00	2075900	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
28	163	12345678	5	1	64.XXX.X.X	2020-10-08 23:00:03:000-06:00	2020-10-08 23:00:05:000-06:00	2075900	1		START_TIMESTAMP_INVALID; END_TIMESTAMP_INVALID					
29	169	12345678	5	1	64.XXX.X.X	2020-10-09 23:00:03:000-06:00	2020-10-09 23:00:05:000-06:00	2075900	1		END_TIMESTAMP_INVALID; START_TIMESTAMP_INVALID					
30	170	12345678	2	1	64.XXX.X.X	2020-10-03 18:00:03:000-06:00	2020-10-03 18:00:05:000-06:00	2075900	1		HUBB_LOCATION_ID_INVALID_SUBSCRIBER_ID_ASSOCIATION					
31	171	12345678	2	1	64.XXX.X.X	2020-10-03 19:00:03:000-06:00	2020-10-03 19:00:05:000-06:00	2075900	1		HUBB_LOCATION_ID_INVALID_SUBSCRIBER_ID_ASSOCIATION					
32	172	12345678	2	1	64.XXX.X.X	2020-10-03 20:00:03:000-06:00	2020-10-03 20:00:05:000-06:00	2075900	1		HUBB_LOCATION_ID_INVALID_SUBSCRIBER_ID_ASSOCIATION					
33	173	12345678	2	1	64.XXX.X.X	2020-10-03 21:00:03:000-06:00	2020-10-03 21:00:05:000-06:00	2075900	1		HUBB_LOCATION_ID_INVALID_SUBSCRIBER_ID_ASSOCIATION					
34	174	12345678	2	1	64.XXX.X.X	2020-10-03 22:00:03:000-06:00	2020-10-03 22:00:05:000-06:00	2075900	1		HUBB_LOCATION_ID_INVALID_SUBSCRIBER_ID_ASSOCIATION					

Step 8 – Review Performance Data – Speed and Latency Test Results

Performance Details

ACAM,AK PLAN,CAFII,RBE : 36 days left to submit and certify performance data for Q4 2021.

CAFII,CAFII,CAFII : 211 days left to submit and certify performance data for Q1 2021, Q2 2021 and Q3 2021.

Review the performance test results you've submitted and verify that you've met the minimum 7-day data submission requirement at the subscriber level for a given Fund, State, Sample, and File Type below. Performance test results must be certified to be measured for compliance. Please review your current Submission Status for Subscribers and take the appropriate action before the data submission deadline.

Select Testing Quarter

To review your performance data, filter by the fund, state, sample, and file type

1. Fund: 2. State: 3. Sample: 4. Test Type:

Data Submission Status: ACAM-613017-AK-2

Displaying 1-10 of 40 records

HUBB Location ID	Subscriber ID	# of Test(s) Submitted	# of Incomplete Test(s)	Submission Status
28666243	101730_9993242423	0	42	ⓘ
28652021	102090_9995307007	0	42	ⓘ
28652066	102306_9995307116	0	42	ⓘ
28652036	102397_9995307185	0	42	ⓘ
28662306	107690_9997675444	0	42	ⓘ



Subscriber summary results

Step 8 – Review Performance Data – Speed and Latency Test Results

Displaying 1-10 of 40 records

HUBB Location ID	Subscriber ID	# of Test(s) Submitted ⓘ	# of Incomplete Test(s) ⓘ	Submission Status ⓘ ▲
28666243	101730_9993242423	0	42	ⓘ
28652021	102090_9995307007	0	42	ⓘ
28652066	102306_9995307116	0	42	ⓘ
28652036	102397_9995307185	0	42	ⓘ
28662306	107690_9997675444	0	42	ⓘ
28662346	107791_9997675484	0	42	ⓘ
28662323	107795_9997675486	0	42	ⓘ
28662383	107796_9997675487	0	42	ⓘ
28662292	108001_9997675636	0	42	ⓘ
28662310	108039_9997675656	0	42	ⓘ

Show 10 records/page

< 1 > of 4 pages

[Download All Incomplete Test\(s\)](#)

Step 9 – Certify Performance Data – Speed and Latency Test Results

Certify Performance Test Data

Data Status: Not Uploaded
Fund: ACAM
State: AK
Test Type: All

Clear All Filter

<input type="checkbox"/>	Fund	SAC	State	Speed Tier	Test Type	Sample Size % ⓘ	# of Test(s) Completed ⓘ	# of Test(s) Required ⓘ	Submitted Test % ⓘ
--------------------------	------	-----	-------	------------	-----------	-----------------	--------------------------	-------------------------	--------------------

Certify

Important

If the Certify button is not visible;
On your keyboard press the CTRL key and
the – (minus) key to reduce the screen size


Certification Summary (as of Q4 2021)

View your certification summary by Fund and State below.

Fund: ACAM
State: AK

Test Type	Certified Samples ⓘ	Not Certified Samples ⓘ
DL Speed	0	3
Low Latency	0	3
UL Speed	0	3

Compliance Report

Universal Service
Administrative Co.Performance Measures Module

Upload Subscribers Subscriber Detail Randomizer Performance Data

Upload Data Review Data Certify Data Compliance Report

Compliance Report

Performance data for fully compliant samples is due annually. However, it is recommended that performance data is submitted quarterly for fully compliant samples. Performance data for incomplete performance data submissions and for Levels 1-4 is due quarterly until a sample is fully compliant. See [compliance levels and support reduction](#) or [Performance Measures Order](#) for more information.

Quarter

Fund

Test Type

Compliance Report

[Download Report](#) 

Displaying 1-10 of 351 records

Fund	SAC	State ▲	Speed Tier	Test Type	Sample Size Met	# of Tests Compliant	# of Tests Non-Compliant	# of Missed tests	Compliance %	Compliance Level ▲	History
ACAM	613017	AK	2	UL Speed	Passed	1775	2	0	100 %	Fully Compliant	
ACAM	613017	AK	3	UL Speed	Passed	2130	5	0	100 %	Fully Compliant	
ACAM	613017	AK	4	UL Speed	Passed	1889	0	0	100 %	Fully Compliant	
ACAM	613017	AK	2	DL Speed	Passed	1613	73	0	100 %	Fully Compliant	
ACAM	613017	AK	3	DL Speed	Passed	1869	233	0	100 %	Fully Compliant	
ACAM	613017	AK	4	DL Speed	Passed	1098	771	0	73 %	Fully Compliant	
ACAM	613017	AK	2	Low Latency	Passed	48985	637	0	100 %	Fully Compliant	
ACAM	613017	AK	3	Low Latency	Passed	67952	270	0	100 %	Fully Compliant	
ACAM	613017	AK	4	Low Latency	Passed	45956	118	0	100 %	Fully Compliant	
ACAM	250304	AL	2	UL Speed	Passed	152	0	85	80 %	Fully Compliant	

Show records/page

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Performance Data Status Codes

1. Status Code 1 - Successful

- Successful test submitted to the PMM System are assigned status code 1. A successful test is defined as a single, discrete observation of speed or latency conducted from the customer premises of an active subscriber within the criteria above.

2. Status Code 2 – Failed Due to Cross-Talk

- Deferred test, due to cross-talk, submitted to the PMM System are assigned status code 2. If the consumer load is greater than 64 Kbps downstream for download tests or 32 Kbps upstream for upload tests, the provider may defer the affected test for one minute and reevaluate whether the load exceeds the relevant 64 Kbps or 32 Kbps threshold before retrying the test.
- This load check and-retry must continue at one-minute intervals until the speed test can be run or the one-hour test window ends. For speed tests, a carrier that begins attempting speed tests within the first fifteen minutes of a testing hour, and repeatedly retries and defers the test at one-minute intervals due to consumer load meeting the adopted cross-talk thresholds may report that no test was successfully completed during the test hour because of cross talk.

3. Status Code 3 – Failed (modem off, etc.)

- Failed test submitted to the PMM System are assigned status code 3. For a failed test, a carrier was unable to conduct a single, discrete observation of speed or latency from an active subscriber within the criteria above.

Performance Data Status Codes (Continued)

1. PMM totals all test status records (statuses 1, 2 and 3) to determine if the correct number of test records have been submitted
 - Credit is given for subscribers replaced during the quarter
 - Missing test records are added into the compliance calculations as zero records
2. PMM uses Only test status 1 records to calculate speed and latency compliance
3. Reminders
 - Collect and submit ALL test records to PMM
 - When cross-talk or failed tests are detected, continue testing at 1 minute intervals to ensure all data records are collected
4. Review the Performance Measures System Compliance Calculations document on the USAC website for specific details:
<https://www.usac.org/wp-content/uploads/high-cost/documents/Tools/PMM-Compliance-Calculations.pdf>

Speed Test Conversion Calculations

- **Upload Speed**
- $\text{Calculated_Mbps} = (((\text{Bytes} * 8) / (\text{End Test} - \text{Start Test in seconds})) / (1000000))$
- **Formulaic Steps:**
 - A – Take the value in the Bytes column and multiply by 8.
 - B – Take the difference in End Test and Start Test and convert the time unit to seconds.
 - C – Take the value returned in A and divide by the value returned in Step B.
 - D – Take the result returned in C and divide it by 1000000.

Speed Test Conversion Calculations

- **Download Speed**
- $\text{Calculated_Mbps} = (((\text{Bytes} * 8) / (\text{End Test} - \text{Start Test in seconds})) / (100000))$
- **Formulaic Steps:**
 - A – Take the value in the Bytes column and multiply by 8.
 - B – Take the difference in End Test and Start Test and convert the time unit to seconds.
 - C – Take the value returned in A and divide by the value returned in Step B.
 - D – Take the result returned in C and divide it by 1000000.

Performance Measures Testing

For more information about performance measures testing,
please visit the Performance Measures Page
on the High Cost Website:

<https://www.usac.org/high-cost/annual-requirements/performance-measures-testing/>

Resources include:

[FCC information](#) about the performance measures testing program

[Charts](#) showing acceptable test paths and remote server locations

List of [vendors](#) that are helping carriers with speed and latency testing

Quick tips [guide](#) to the PMM

PMM [user guide](#)

A [document](#) explaining how the PMM calculates compliance

Other CAF Resources

[HUBB Resources Page](#)

[HUBB FAQs](#)

[Guide to Geolocation Practices](#)

[Verification Resources page](#)

[Multifactor Authentication Troubleshooting Steps](#)

(for E-File access)

Questions?

