Connect America Fund

Filing with the HUBB Portal

January 31, 2019
Housekeeping

• Use the “Audio” section of your control panel to select an audio source
• Turn on your computer’s speaker, or
• Use the call-in instructions (including audio PIN)

Audience Q&A

• Submit your questions using the “Questions” box in your webinar control panel
• We will answer questions at the end of the presentation
Today’s Presenters

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High Cost Universal Broadband (HUBB) Portal

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

- A tool for collecting location-specific service availability data from carriers across all Connect America Fund (modernized) programs – millions of individual records
- Real-time validation of data submissions
- Serves as a platform for verification and compliance
- Data in the HUBB is the foundation for the CAF Map, a new public map that shows the impact of CAF funding on broadband expansion across rural America
- Began with the July 2017 filing for Price Cap carriers participating in CAF Phase II, followed by March 2018 filing for carriers in multiple modernized funds
- Next HUBB filing deadline is March 1, 2019
### What data is USAC collecting?

*may vary by fund and with new HUBB releases*

<table>
<thead>
<tr>
<th>Field</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAC*</td>
<td>579999</td>
</tr>
<tr>
<td>Latitude*</td>
<td>39.509220</td>
</tr>
<tr>
<td>Longitude*</td>
<td>-98.433700</td>
</tr>
<tr>
<td>Date of Deployment*</td>
<td>02/28/2017</td>
</tr>
<tr>
<td>Download/Upload Speed Tier*</td>
<td>3</td>
</tr>
<tr>
<td>Address*</td>
<td>715 Wisconsin Street</td>
</tr>
<tr>
<td>City*</td>
<td>Cawker City</td>
</tr>
<tr>
<td>State*</td>
<td>KS</td>
</tr>
<tr>
<td>ZIP Code*</td>
<td>67430</td>
</tr>
<tr>
<td># of Units*</td>
<td>3</td>
</tr>
</tbody>
</table>
HUBB Data Filing Process

1. **Compile Data**
   - Use templates to compile location data, using Geolocation best practices

2. **Enter Data**
   - Upload template with location data to the HUBB

3. **Validate Data**
   - Location data validated by HUBB – address any errors or warnings

4. **Certify Data**
   - Certifying Officer certifies location data in the HUBB

5. **Certify Milestone**
   - Certifying Officer certifies milestone in the HUBB (if applicable)
Carriers participating in the following funds must file with the HUBB by March 1, 2019:

- **Connect America Fund (CAF) Phase II**: CAF II carriers must be at least 60 percent of the way deployed toward their total build-out obligations by the end of 2018 or face potential loss of support. This 60 percent build-out milestone applies in each state where the carrier receives support.

- **Alternative Connect America Cost Model (A-CAM)**: ACAM carriers also have until March 1, 2019 to file pre-existing locations deployed in 2016 and earlier.

- **Rural Broadband Experiments (RBE)**

- **Alaska Plan**

- **Connect America Fund-Broadband Loop Support (CAF-BLS)**: CAF-BLS carriers that are 80 percent or more deployed at 10/1 (delivering download speeds of at least 10 Mbps and upload speeds of at least 1 Mbps) based on their 2015 Form 477 filings do not have to report deployment data through the HUBB portal.
As of the March 2018 filing deadline, carriers participating in the following funds had filed data for all locations deployed in the following years:

- **Connect America Fund (CAF) Phase II**: locations deployed in 2016 and 2017, as well as any locations deployed before 2016 that carriers have *refiled* with the HUBB to meet deployment milestones
- **Alternative Connect America Cost Model (A-CAM)**: locations deployed in 2017
- **Rural Broadband Experiments (RBE)**: locations deployed in 2017
- **Alaska Plan (other than carriers with individualized performance plans that only require them to maintain service at existing levels)**: wireline, last mile end-user locations deployed in 2017 (and 2016 on an optional basis), and middle mile node data
- **Connect America Fund-Broadband Loop Support (CAF-BLS - less than 80 percent deployed)**: locations deployed from May 26, 2016 (the effective date of the Rate of Return order) – December 31, 2017
HUBB Updates Since March 1, 2018

• Improved user interface design
  • Easier navigation
  • Ability to see a history of location edits and uploads
  • Email receipt of certification confirmation

• Improved descriptions for error codes

• Improved system performance and reduced validation times
  • CSV upload and validation speed improvements for wireline carriers
  • CSV and shapefile upload speed improvements for Alaska wireless carriers

• Updated instructions

• Ability to edit past certified data
  • All fields except latitude, longitude and date of deployment

• New speed tier codes for Alaska wireline carriers – UPDATE
Tips on Filing Location Data

• Collect accurate location data
  • Use geolocation best practices (See [guide](#) on HUBB resource [page](#))
  • Location lat/long coordinates should be six decimals
  • System will issue warning if lat/long coordinates are only five decimals (but will accept the data)
  • System will produce error and reject the data if late/long are only to four decimals

• **Start filing early to identify and fix any data errors**

• Impact of certifying inaccurate data
  • Potential to be in default of deployment obligations and face possible loss of support
Tips for HUBB Filing Success

- Ensure all of your users can successfully log into HUBB
  - Contact your Form 498 Officer or General Contact for updates to user accounts

- Check the version of your Internet browser
  - Check Help for currently supported versions

- Download and use the most current version of the template
  - Found in HUBB and on HUBB resource page

- Be sure to certify your data and milestone (if applicable) after it has been saved

- Note that carriers that did not deploy any locations in 2018 must still log into the HUBB and certify "no locations to upload" by March 1, 2019
New homepage to go live on February 15th 2019!
Please follow the “No Locations to Upload” path if you have no locations to report in the HUBB for the 2018 deployment year.
To upload new locations in the HUBB for the 2018 or 2019 deployment year, please follow the “Upload Location File” path.
When you’ve corrected your locations & are ready to move to certification, please save your locations.
New Feature:
Ability to search by:
- Carrier ID
- Lat.
- Long.
- SAC
To see your broadband deployment uploads by speed tier, click on a year in the “Build-out requirement” table.
# 2017 Speed Tier Report

<table>
<thead>
<tr>
<th>Speed Tier</th>
<th>1 Mbps/ 256 Kbps</th>
<th>4 Mbps/ 1 Mbps</th>
<th>10 Mbps/ 1 Mbps</th>
<th>25 Mbps/ 3 Mbps</th>
<th>50 Mbps/ 20 Mbps</th>
<th>100 Mbps/ 25 Mbps</th>
<th>1 Gbps/ 500 Mbps</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</table>

Fields may automatically populate based on your uploaded file. You may edit your fields at any time.

In the table below, click a deployment year to view your uploaded locations by speed tier.

**Disclaimer:** This report provides feedback as data is added or removed from the HUBB. The information contained within this report is intended for informational purposes only to assist in compliance efforts and does not constitute a final determination of your compliance with the required performance obligations.

## Build-out requirement (locations): 0

<table>
<thead>
<tr>
<th>Deployment Year</th>
<th>Locations Ready For Certification</th>
<th>Certified Locations</th>
<th>% of Certified Locations</th>
<th>Milestone Obligation %</th>
<th>Milestone On Target?</th>
<th>Milestone Certification Status</th>
<th>View History</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>0</td>
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</tr>
<tr>
<td>2018</td>
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<td>0</td>
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<td>-</td>
<td>-</td>
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<tr>
<td>2019</td>
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<tr>
<td>2020</td>
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<td>View History</td>
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<tr>
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<td>View History</td>
</tr>
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</table>
HUBB Resources

For more information about the HUBB, please visit the HUBB Resources Page on the High Cost Website:


Resources include:
Links to FCC Public Notices and Orders
FAQs
A Guide to Geolocation Practices
Data Formatting Instructions
Questions?