Universal Service
Administrative Co.

High Cost Universal Broadband (HUBB)
Data Formatting Instructions

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Preparing Your Data Upload

USAC Template(s)

The USAC templates show all the fields that you must include and how you need to format them according to the Data Specification guide below. You can download the templates for 'New locations' (Broadband Location Upload Template), 'bulk deletion' (Bulk Deletion Template) and 'bulk modifications' (Bulk Modification Template) files from the HUBB Tool. Please limit the file name to <50 characters or it will not be accepted.

Please download and use the latest Templates for all funds, which are available in the HUBB on the Manage Uploads page. Using of older Templates will result in uploading failures.

Required File Format

You must upload your location data to the HUBB as a plain-text, comma- separated (CSV) file.

To convert a Microsoft Excel (.xlsx) into a CSV file, within Excel, select **File**

> **Save As**, choose **CSV (Comma delimited)** and select **Save**.
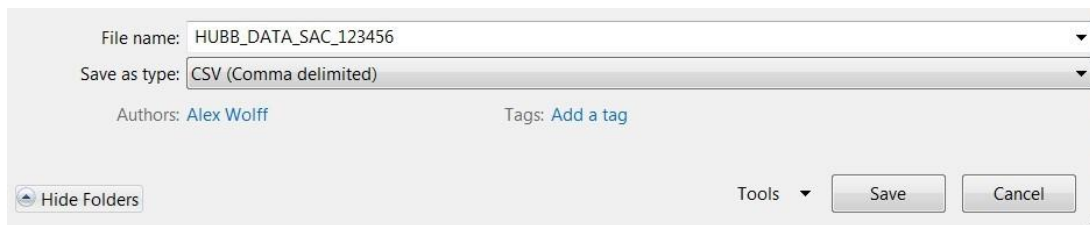
Microsoft Excel may prompt you to confirm the file type. If you see the following pop-up box, select **Yes**.

Template Header Row

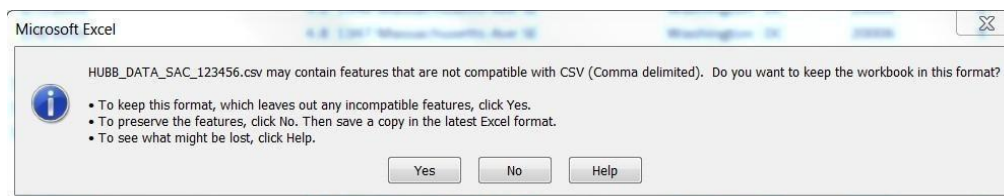You must include the column headers used in the CSV template in the first row of each file you upload. If your file's header row does not match our CSV template exactly, the file will not upload. If this happens, correct the header and then try uploading it again.

The Use Quotes for Fields with Commas

If the Address and/or City fields, as shown in the Data Specification guide below, contain commas, you must wrap the content in double quotes e.g., "123 Main St, Building 1." Most software applications will do this automatically. Commas are only allowed in the Address and City fields.

Technology and Latency

Carriers are encouraged to provide the Technology and Latency used for all their locations. You can use the Bulk Modification Template or Single line edit to supply those for all previously uploaded locations.

- Technology is mandatory for CAFII Auction, PR Fixed, USVI Fixed & RDOF funds and Optional for the rest
- Latency is mandatory for CAFII AUC, PR Fixed, USVI Fixed, RDOF & AK Plan funds

The high latency carriers are the carriers who provide internet to individual users through geostationary satellites, the latency value should be less than 750 ms. Low latency carriers are the rest of carriers who provide internet service with latency value less than 100 ms.

Data Specification – New Locations

Below is a guide to the fields you need to include in your data upload for location files and how you should format the location data. To determine which locations "qualify" and must be reported in a particular reporting period, please review Commission guidance and relevant orders.

Field * = required	Description	Entry Type	Max Length	Example
Study Area Code*	The 6-digit Study Area Code (SAC) for the study area containing the location. *Note: For CAF II and ACAM, carriers that chose one "administrative" SAC per state for their statewide obligation should only use the "administrative" SAC number.*	Integer	6	579999
Latitude*	Latitude of the location to which you have made service available. It must have at least 6 decimal places. Coordinates must be in the WGS84 or NAD83 geographic coordinate system.	Float	N/A	39.509220
Longitude*	Longitude of the location to which you have made service available. It must have at least 6 decimal places. Coordinates must be in the WGS84 or NAD83 geographic coordinate system.	Float	N/A	-98.433700
Date of Deployment*	The date on which you made service available to this location. Service is "available" if the location can receive service within 10 business days of a service request. While the year must be 4 digits, you can enter single digit months e.g., 01/01 or 1/1 = January 1.	Date	10	02/28/2017 or 2/28/2017

Field * = required	Description	Entry Type	Max Length	Example
Download/Upload Speed Tier*	Speed/bandwidth threshold of the Internet access service deployed to this location. Enter a Speed Tier ID from the table below. The bandwidth offered at this location should meet or exceed the bandwidth indicated by the Speed Tier ID and the carrier's deployment and/or reporting obligations. For example, recipients of Phase II model- based support (CAF II) must provide and report service at or above 10/1 Mbps, but if the service at a location is 25/3 Mbps, the carrier could enter Speed Tier ID 4 or 5. A location with a Speed Tier ID of 2 would be rejected as too low for CAF II. 	Speed Tier ID	Download Speed	Upload Speed (Meets or Exceeds)
---	---	---
1	1 Mbps	256 kbps
2	4 Mbps	1 Mbps
3	10 Mbps	1 Mbps
4	25 Mbps	3 Mbps
5	25 Mbps	5 Mbps
6	50 Mbps	5 Mbps
7	100 Mbps	20 Mbps
8	100 Mbps	25 Mbps
9	1 Gbps	500 Mbps		Integer	1	3
Address*	Number and street address of this location. If possible, use the standardized Postal Service format. However, this information will be neither standardized nor validated by the HUBB. If a location does not have a traditional street address, enter a description of where the served premises is located (e.g., an intersection, a road, etc.).	Text	100	715 Wisconsin Street

Field * = required	Description	Entry Type	Max Length	Example
City*	City associated with this location.	Text	50	Cawker City
State*	2-letter postal abbreviation of the state associated with this location.	Text	2	KS
ZIP Code*	5-digit ZIP code associated with this location. ZIP codes that begin with a 0 must include that leading digit (e.g., ''06804'' cannot be reported as ''6804''). This field must be stored as text so that leading zeroes are not dropped.	Text	5	67430
# of Units*	The number of units associated with this location. If the address or building contains only one housing unit or business location, enter 1. If the location is a building with multiple units, such as an apartment or office building containing qualifying locations, enter the number units at that location.	Integer	N/A	1
HUBB Location ID	The HUBB location ID field is a currently unused field that must be left blank. In future versions of the HUBB, the HUBB Location ID may be assigned by the application for each location, and this field will be used for bulk data revisions.	Text	50	12345
Carrier Location ID	The Carrier Location ID field is available for carriers to add their internal ID associated with a location. If you do not have an ID available, this field can be left blank.	Text	50	12345

Field * = required	Description	Entry Type	Max Length	Example
Technology	The Carrier can provide Technology used for all locations using id associated with each Technology type. It is mandatory for CAFII Auction, PR Fixed, USVI Fixed & RDOF funds and Optional for the rest ID **Technology type used** 1 DSL 2 Cable 3 Fiber 4 Wireless 5 Low Earth Orbit Satellite 6 Geostationary Satellite 7 Other Technology (with option to provide text to define other if carrier chooses to enter a description)	Text	1	2
Other Technology	The new "Other Technology" field is mandatory when "Other Technology" is entered in the Technology field as a value of 7. Otherwise, the Other Technology field is optional. When you choose Technology 1-6, you should not upload anything in "Other Technology" field	Text	1000	DSL & Cable or provide any additional information regarding Technology used
Latency	The Carrier can provide Latency used for all locations using id associated with each Latency type. Latency is mandatory for CAFII AUC, PR Fixed, USVI Fixed, RDOF & AK Plan funds. Certain locations can be uploaded only with High Latency type. PR Fixed, USVI Fixed funds have a fixed requirement of Low Latency. ID | Latency type 1 | High 2 | Low	Text	1	2

Same SAC Belonging to Multiple Funds

In the majority of cases, the HUBB will determine a location's fund by plotting the Latitude/Longitude with respect to the eligible census block and SAC. In rare cases, a census block could be associated to the same SAC and multiple funds which would require your help to resolve. To resolve the issue, please utilize the Edit function on the File Upload Details page to select a fund, validate the location record, and then save the changes to the HUBB.

Carriers Participating in Revised ACAM and ACAM II

USAC has updated all Obligations and Milestones targets for carriers participating in ACAM and Revised ACAM funds as per FCC order.

For carriers that chose to upgrade from CAF BLS to ACAMII fund, all locations that fell on participating census blocks in ACAMII were migrated by USAC.

ACAMII Obligation and Milestone certification will be available to carriers after September 2022; However, carriers that have Tribal Obligations can see their Total buildout targets broken down by Tribal/Total in the 4th dropdown on the Home page under Deployment Information header.

Annual Certification

The implementation of the Annual Certification feature in HUBB serves to streamline the process of certifying the completion of all filing activities within the designated filing year. This functionality is restricted to access only by the SPO during the specified timeframe, from January 1st to March 1st. It is imperative for all carriers utilizing HUBB for it is mandatory to undergo certification within the filing year.

It is mandatory for all Funds to undergo certification for each SAC within the filing year, In the event that locations have not been uploaded during the filing year for a specific SAC, the Annual Certification process will denote that no locations were deployed during that particular filing year.

Annual certification will be reverted in the event of any alterations to a SAC Certified for Annual certification, including certifications, modifications, uploads, or deletions, as initiated by the SPO.

An uploaded location will not be deemed eligible for annual certification unless it has successfully completed regular certification.

CAF BLS Final Year 2023 Certification on Annual Certification.

All CAF BLS carriers – including those that are fully deployed but do not have enough locations certified in the HUBB to complete the 100 percent milestone certification – must complete a special end-of-term certification as part of the new annual certification. This end-of-term-certification requires every CAF BLS carrier to select one of the following options indicating that:

The FCC approved 4 Certification languages for the CAF BLS Fund 100% Certification
By December 31, 2023, the reporting carrier offered voice and broadband service meeting the public interest obligations set forth in 47 CFR § 54.308 to 100% of its defined location obligation.
By December 31, 2023, the reporting carrier offered voice and broadband service meeting the public interest obligations set forth in 47 CFR § 54.308 to 100% of locations in its study area.
By December 31, 2023, the reporting carrier did not offer voice and broadband service meeting the public interest obligations set forth in 47 CFR § 54.308 to 100% of its defined location obligation.
By December 31, 2023, the reporting carrier did not offer voice and broadband service meeting the public interest obligations set forth in 47 CFR § 54.308 to 100% of its defined location obligation due to the monthly per-line limit in 47 CFR 54.302.

Certify SACs

✕

I certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the data reported in the HUBB; and, to the best of my knowledge, the reporting carrier submitted and certified the total deployments the reporting carrier completed in 2023. If none have been submitted and certified, I certify that there were no new deployments.

CAF BLS Final Year Certification *

Select one of the options below

○ By December 31, 2023, the reporting carrier **offered** voice and broadband service meeting the public interest obligations set forth in 47 CFR § 54.308 **to 100% of its defined location obligation.**

○ By December 31, 2023, the reporting carrier **offered** voice and broadband service meeting the public interest obligations set forth in 47 CFR § 54.308 **to 100% of locations in its study area.**

○ By December 31, 2023, the reporting carrier **did not offer** voice and broadband service meeting the public interest obligations set forth in 47 CFR § 54.308 **to 100% of its defined location obligation.**

○ By December 31, 2023, the reporting carrier **did not offer** voice and broadband service meeting the public interest obligations set forth in 47 CFR § 54.308 to 100% of its defined location obligation **due to the monthly per-line limit in 47 CFR 54.302.**

You have selected the following SAC(s) to certify:

170171

Please enter the holding company name
*
[   ]

To sign your certification digitally, please enter your name [new one]
*
[   ]

Cancel   Certify

Beginning of dialog window. Clicking outside will cancel and close the window.

Certify SACs modal for CAF BLS Annual Certification

Carriers Participating in PR Fixed and USVI Fixed Funds

Carriers participating in these two funds can now upload their locations and complete General certification in the HUBB. Carriers can optionally use the address field to add a pipe delimiter (|) and then define the Municipio, the location was deployed within. Additionally, the Address and city fields within the .csv template can be used to upload and save Spanish Language characters as well. Please do not upload any other ANSI characters within the .csv template. All locations uploaded to these funds require a low latency upload value and speed tiers of 7 and above for PR Fixed and a value of 9 for USVI Fixed fund.

Milestone Certification

All carriers can complete their Milestone certification in the HUBB based on Fund, State, SAC and speed tier selection. Milestone certification is now available based on meeting obligation totals by Speed tier. For ACAMII fund, we can now complete Milestone certification separately for Total obligations and Tribal obligations. Milestone certification can now be completed for RDOF, PR/USVI Fixed funds as well.

Data Specification – Bulk Deletions

Below is a guide to the fields you need to include in your data upload for Bulk Deletion files and how you should format the data. In the file Include only those records you want deleted from HUBB and each record must have a Reason Code ID.

Note: Any user with access to the HUBB can upload the Bulk Deletion Template. However, your Certifying Officer must certify these deletions to complete deletion of locations. Usof older Templates will result in uploading failures. You can use both single line deletion and bulk deletion uploads to delete your locations during their current filing year. Then, once the filing year closes, you can only use bulk deletion uploads since the single-line deletion functionality does not work for previous closed filing years.

Field * = required	Description	Entry Type	Max Length	Example
HUBB Location ID*	HUBB Location ID is a system generated number assigned by the HUBB for each location submitted. When you download your HUBB locations for review, this number will be included for each location.	Integer	50	12345
Reason Code ID*	Reason for requesting the deletion of this record. Enter a Reason Code ID from the table below for each record in the file. <table><tr><td>**Reason Code ID**</td><td>**Description**</td></tr><tr><td>1</td><td>Unserviceable</td></tr><tr><td>2</td><td>Mapping Improvement</td></tr><tr><td>3</td><td>Error</td></tr><tr><td>4</td><td>Network / Provisioning Change</td></tr><tr><td>5</td><td>Other (requires Reason Explanation – next field)</td></tr></table>	Integer	1	3

Field * = required	Description	Entry Type	Max Length	Example
Reason Explanation ** Note: Only Required if Reason Code ID is 5 - Other*	Describe specific justification why this location should be deleted. The reason should be different than one of the pre-defined reasons (1 – 4) identified in the Reason Code ID field.	Text	1000	This location does not exist

Data Specification – Bulk Modifications

Below is a guide to the fields you need to include in your data upload for Bulk Modifications files and how you should format the data. Include only those records you want modified in the HUBB within the file.

Note: Any user with access to the HUBB can upload the Bulk Modification Template. However, your Certifying Officer must certify these modifications to complete edit of locations. Please download and use the latest Templates for all funds, which are available in the HUBB on the Manage Uploads page. You can use both single line modification and bulk modification uploads to make edits to your locations during their current filing year. Then, once the filing year closes, you can only use bulk modification uploads since the single- line edit functionality does not work for previously closed filing years.

Field * = required	Description	Entry Type	Max Length	Example
HUBB Location ID*	The HUBB location ID field is a currently unused field that must be left blank. In future versions of the HUBB, the HUBB Location ID may be assigned by the application for each location, and this field will be used for bulk data	Integer	50	12345
Study Area Code*	The 6-digit Study Area Code (SAC) for the study area containing the location. *Note: For CAF II and ACAM, carriers that chose one "administrative" SAC per state for their statewide obligation should only use the "administrative" SAC number.*	Integer	6	579999
Latitude	Latitude of the location to which you have made service available. It must have at least 6 decimal places. Coordinates must be in the WGS84 or NAD83 geographic coordinate system. Note: Restrictions exist on how far a GPS coordinate may move, currently 36ft. Changes greater than this value require that the original location be deleted and a new location be entered. Locations that move more than the allowable distance will be marked with an error.	Float	N/A	39.509220

Field * = required	Description	Entry Type	Max Length	Example
Longitude	Longitude of the location to which you have made service available. It must have at least 6 decimal places. Coordinates must be in the WGS84 or NAD83 geographic coordinate system. Note: Restrictions exist on how far a GPS coordinate may move, currently 36ft. Changes greater than this value require that the original location be deleted and a new location be entered. Locations that move more than the allowable distance will be marked with an error.	Float	N/A	-98.433700
Date of Deployment	The date on which you made service available to this location. Service is ''available'' if the location can receive service within 10 business days of a service request. While the year must be 4 digits, you can enter single digit months e.g., 01/01 or 1/1 = January 1. Note: You can modify the Month and Day of deployment, however, any change to the Year of deployment requires approval from the FCC.	Date	10	02/28/2017 or 2/28/2017

Field * = required	Description	Entry Type	Max Length	Example
Download/Upload Speed Tier	Speed/bandwidth threshold of the Internet access service deployed to this location. Enter a Speed Tier ID from the table below. The bandwidth offered at this location should meet or exceed the bandwidth indicated by the Speed Tier ID and the carrier's deployment and/or reporting obligations. For example, recipients of CAFII Auction model- based support must provide and report service at or above 10/1 Mbps, but if the service at a location is 25/3 Mbps, the carrier could enter Speed Tier ID 4 or 5. A location with a Speed Tier ID of 2 would be rejected as too low for CAFII Auction. {speed tier table below}	Integer	1	3
Address	Number and street address of this location. If possible, use the standardized Postal Service format. However, this information will be neither standardized nor validated by the HUBB. If a location does not have a traditional street address, enter a description of where the served premises is located (e.g., an intersection, a road, etc.).	Text	100	715 Wisconsin Street
City	City associated with this location.	Text	50	Cawker City

Speed Tier ID	Download Speed	Upload Speed (Meets or Exceeds)
1	1 Mbps	256 kbps
2	4 Mbps	1 Mbps
3	10 Mbps	1 Mbps
4	25 Mbps	3 Mbps
5	25 Mbps	5 Mbps
6	50 Mbps	5 Mbps
7	100 Mbps	20 Mbps
8	100 Mbps	25 Mbps
9	1 Gbps	500 Mbps

Field * = required	Description	Entry Type	Max Length	Example
State	2-letter postal abbreviation of the state associated with this location.	Text	2	KS
ZIP Code	5-digit ZIP code associated with this location. ZIP codes that begin with a 0 must include that leading digit (e.g., ''06804'' cannot be reported as ''6804''). This field must be stored as text so that leading zeroes are not dropped.	Text	5	67430
# of Units	The number of units associated with this location. If the address or building contains only one housing unit or business location, enter 1. If the location is a building with multiple units, such as an apartment or office building containing qualifying locations, enter the number units at that location. You cannot update the Number of Units field for locations for a previously closed filing year. If the number of units has changed, you need to delete the current location record and then submit a new location with the correct number of units. Please note that you can only submit new locations for the current filing year.	Integer	N/A	1
HUBB Location ID	The HUBB location ID field is a currently unused field that must be left blank. In future versions of the HUBB, the HUBB Location ID may be assigned by the application for each location, and this field will be used for bulk data revisions.	Text	50	12345
Carrier Location ID	The Carrier Location ID field is available for carriers to add their internal ID associated with a location. If you do not have an ID available, this field can be left blank.	Text	50	12345

Field * = required	Description	Entry Type	Max Length	Example
Technology	The Carrier can provide Technology used for all locations using id associated with each Technology type. **ID** **Technology type used** 1 DSL 2 Cable 3 Fiber 4 Wireless 5 Low Earth Orbit Satellite 6 Geostationary Satellite 7 Other Technology (with option to provide text to define other if carrier chooses to enter a description)	Text	1	2
Other Technology	The new "Other Technology" field is mandatory when "Other Technology" is entered in the Technology field as a value of 7. Otherwise, the Other Technology field is optional. When you choose Technology 1-6, you should not upload anything in "Other Technology" field	Text	1000	DSL & Cable or provide any additional information regarding Technology used
Latency	The Carrier can provide Latency used for all locations using id associated with each Latency type. **ID** **Latency type** 1 High 2 Low	Text	1	2

Data Specification – Alaska Plan Speed Tiers (Updated May 2022)

Field * = required	Description	Entry Type	Max Length	Example
Download/Upload Speed Tier/ Technology	Speed/bandwidth threshold of the Internet access service deployed to this location. Enter a Speed Tier ID from the table below. The bandwidth offered at this location should meet or exceed the bandwidth indicated by the Speed Tier ID and the carrier's deployment and/or reporting obligations. For example, for recipients of AK Plan model- based support, if the service at a location is 25/3 Mbps, the carrier could enter Speed Tier ID 6 or 7. _(see table below)_	Integer	1	3

Speed Tier ID	Download Speed	Upload Speed (Meets or Exceeds)	Technology
1	1 Mbps	256 kbps	Satellite
2	4 Mbps	1 Mbps	Microwave
3	6 Mbps	1 Mbps	Microwave
4	10 Mbps	1 Mbps	Microwave
5	10 Mbps	1 Mbps	Fiber
6	25 Mbps	3 Mbps	Microwave/Fiber
7	25 Mbps	3 Mbps	Fiber
8	50 Mbps	5 Mbps	Fiber
9	100 Mbps	5 Mbps	Fiber
10	1 Gbps	500 Mbps	Fiber
11	4 Mbps	1 Mbps	Satellite
12	4 Mbps	1 Mbps	Microwave/Fiber
13	4 Mbps	1 Mbps	Fiber
14	6 Mbps	1 Mbps	Satellite
15	6 Mbps	1 Mbps	Microwave/Fiber

Field * = required	Description				Entry Type	Max Length	Example
	16	6 Mbps	1 Mbps	Fiber			
	17	10 Mbps	1 Mbps	Satellite			
	18	10 Mbps	1 Mbps	Microwave/Fiber			
	19	25 Mbps	3 Mbps	Satellite			
	20	25 Mbps	3 Mbps	Microwave			
	21	1 Gbps	100 Mbps	Fiber			
	22	2 Mbps	1 Mbps	Satellite			
	23	25 Mbps	5 Mbps	Microwave/Fiber			
	24	25 Mbps	5 Mbps	Fiber			
	25	100 Mbps	20 Mbps	Fiber			

Note: *These Speed Tiers are for Alaska Plan Only*

Explanation of tool tips and issue codes

After you upload your data, the HUBB tool will identify any errors and/or warnings in your data. Here's a guide to the system's short-hand codes including which system can check for each error/warning. Note: locations with only warnings can be submitted and saved in the HUBB. The 'File Type' column specified the type of file(s) for which a particular issue code is valid; the types of files are: New locations, Bulk Deletion, Bulk Modification, All.

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
System	All			INVALID_BROWSER	(User's browser name + version) is not supported, please upgrade to the latest version.	User's browser is supported
All	All	System Error	System Error Issues	SYSTEM_ERROR		Validation of location record resulted in System Error
All	All			TOO_FEW_HEADERS	Uploaded file has too few columns in the header. Please reference the USAC provided template.	Uploaded file has no less than required column headers
All	All			TOO_MANY_HEADERS	Uploaded file has too many columns in the header. Please reference the USAC provided template.	Uploaded file has no more than required column headers
All	All			FILE_NAME_LENGTH_EXCEED_LIMIT	File name cannot exceed 50 characters. Please reference the USAC-provided Data Standards for file naming convention instructions.	File name <= 50 characters

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
All	All			FILE_NAME_CONTAINS _INVALID_CHARACTER	File name contains one or many invalid characters. Please reference the USAC-provided Data Standards for file naming convention instructions.	File name does contains one or many of the following characters: • Backslash ("\") • Left curly brace ("{") • Non-printable ASCII characters (128–255 decimal characters) • Caret ("^") • Right curly brace ("}") • Percent character ("%") • Grave accent / back tick ("`") • Right square bracket ("]") • Quotation marks • 'Greater Than' symbol (">") • Left square bracket ("[") • Tilde ("~") • 'Less Than' symbol ("<") • 'Pound' character ("#") • Vertical bar / pipe ("|")
All				FILE_NO_LOCATIONS	Uploaded file has no locations. Please add location records and try again.	Uploaded file needs at least one location in it
All	All			FILE_NOT_CSV	File is not in CSV format, please reference the USAC provided template.	
Study Area Code	New locations	Required field	Study Area Code Issues	SAC_REQUIRED		Study Area Code should be populated in the uploaded file
Study Area Code	New locations	Invalid Study Area Code	Study Area Code Issues	INVALID_SAC		Study Area Code entered is not a valid 6-digit number from HCLI
Study Area Code	New locations	Invalid Study Area Code Fund	Study Area Code Issues	INVALID_SAC_FUND		Study Area code entered is not a participant of an active fund.

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Study Area Code	New locations	Invalid Study Area Code Fund	Study Area Code Issues	INVALID_SAC_RBE		Study Area code entered is not a participant of an active fund.
Study Area Code	New locations	Invalid Study Area Code Fund	Study Area Code Issues	INVALID_SAC_AKP		Study Area code entered is not a participant of an active fund.
Study Area Code	New locations	Invalid Study Area Code format	Study Area Code Issues	INVALID_SAC_FORMAT		Study Area Code entered is not a number
Study Area Code	All	Not authorized for this SAC	Study Area Code Issues	USER_NOT_AUTHORIZED_FOR _SAC		Carrier is not authorized for this SAC
Study Area Code	New locations	This SAC has certified no locations to upload	Study Area Code Issues	SAC_NO_LOCATIONS_TO_BE _UPLOADED		Carrier has certified that there are no locations to upload
Latitude	New locations	Invalid Latitude range	Latitude Issues	INVALID_LAT_DEGREE_RANGE		Latitude range to the left of the decimal needs to be between -90 & 90, inclusive
Latitude	New locations	Invalid Latitude format	Latitude Issues	INVALID_LAT_FORMAT		Latitude entered needs to be a number
Latitude	New locations	Min of 6 digits to the right of the decimal	Latitude Issues	LAT_DECIMAL_EQL_5_DIGITS		Latitude should contain a minimum of 5 numbers to the right of the decimal
Latitude	New locations	Min of 6 digits to the right of the decimal	Latitude Issues	LAT_DECIMAL_MIN_6_DIGITS		Latitude should contain a minimum of 5 numbers to the right of the decimal
Latitude	New locations	Max of 13 digits to the right of the decimal	Latitude Issues	LAT_DECIMAL_MAX_13_DIGITS		Latitude can contain only a maximum of 13 numbers to the right of the decimal
Latitude	New locations	Required field	Latitude Issues	LAT_REQUIRED		Latitude should be populated in the uploaded file
Longitude	New locations	Invalid Longitude range	Longitude Issues	INVALID_LON_DEGREE_RANGE		Longitude range to the left of the decimal needs to be between -180 & 180, inclusive
Longitude	New locations	Invalid Longitude format	Longitude Issues	INVALID_LON_FORMAT		Longitude entered needs to be a number

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Longitude	New locations	Min of 6 digits to the right of the decimal	Longitude Issues	LON_DECIMAL_EQL_5_DIGITS		Longitude should contain a minimum of 5 numbers to the right of the decimal
Longitude	New locations	Min of 6 digits to the right of the decimal	Longitude Issues	LON_DECIMAL_MIN_6_DIGITS		Longitude should contain a minimum of 5 numbers to the right of the decimal
Longitude	New locations	Max of 13 digits to the right of the decimal	Longitude Issues	LON_DECIMAL_MAX_13_ DIGITS		Longitude can contain only a maximum of 13 numbers to the right of the decimal
Longitude	New locations	Required field	Longitude Issues	LON_REQUIRED		Longitude should be populated in the uploaded file
Latitude/ Longitude	New locations	Duplicate data	Duplicate Data Issues	DUPLICATE_LOCATION_IN_ FILE		A location has already been reported for the entered latitude and longitude and is therefore considered a duplicate.
Latitude/ Longitude	New locations	Duplicate data	Duplicate Data Issues	DUPLICATE_LOCATION_SAVED		A location has already been reported for the entered latitude and longitude and is therefore considered a duplicate.
Latitude/ Longitude	New locations	Duplicate data	Duplicate Data Issues	DUPLICATE_LOCATION_NOT _SAVED		A location has already been reported for the entered latitude and longitude and is therefore considered a duplicate.
Latitude/ Longitude	New locations	Duplicate data	Duplicate Data Issues	DUPLICATE_LOCATION_BULK_ DELETE		A location has already been bulk deleted and then the same location uploaded and certified, cannot now be reverted

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Latitude/ Longitude	New locations	Duplicate data	Duplicate Data Issues	DUPLICATE_LOCA TION_CAFII		A location has already been reported for the entered latitude and longitude for the CAF1 fund and is therefore considered a duplicate.
Latitude/ Longitude	New locations	Lat/long not within eligible census block for fund	Latitude/ Longitude Issues	LOC_UNFUNDED_CB_FUND		Latitude/longitude entered is not within an eligible census block for this fund
Latitude/ Longitude	New locations	Lat/long not within eligible census block for CAF II SAC	Latitude/ Longitude Issues	LOC_UNFUNDED_CB_CAFII		Latitude/longitude entered is not within an eligible census block for a CAF II Study Area Code
Latitude/ Longitude	New locations	Lat/long not within eligible census block for ACAM SAC	Latitude/ Longitude Issues	LOC_UNFUNDED_ CB_ACAM		Latitude/longitude entered is not within an eligible census block for a ACAM Study Area Code
Latitude/ Longitude	New locations	Lat/long not within eligible census block for RBE SAC	Latitude/ Longitude Issues	LOC_UNFUNDED_ CB_RBE		Latitude/longitude entered is not within an eligible census block for a RBE Study Area Code
Latitude/ Longitude	New locations	Lat/long not within eligible census block for Alaska Plan SAC	Latitude/ Longitude Issues	LOC_UNFUNDED_ CB_AKP		Latitude/longitude entered is not within an eligible census block for an Alaska Plan Study Area Code
Latitude/ Longitude	New locations	Lat/long not within the United States or territories	Latitude/ Longitude Issues	LAT_LON_NON_US		Latitude/longitude entered is not within the United States or territories
Latitude/ Longitude	New locations	Distance between current and new geo coordinate exceeds 36ft.	Latitude/ Longitude Issues	INVALID_LAT_LON_ GEODISTANCE_MODIFICATION		Distance between current Latitude/Longitude coordinate and new Latitude/Longitude coordinate exceeds 36 ft in distance.
Latitude/ Longitude	New locations	Lat/long not within eligible CAF BLS SAB	Latitude/ Longitude Issues	INVALID_LOC_SAB _CAFBLS		Latitude/longitude entered is not within an eligible study area boundary for CAF BLS Study Area Code

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Date of Deployment	New locations	Date cannot be after today's date	Date Issues	INVALID_DATE_FUTURE		Date entered cannot be a future date
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_CAFII		Date of submission is after filing year closure date for CAFII and is therefore considered a late location
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_ ACAM		Date of submission is after filing year closure date for ACAM and is therefore considered a late location
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_ACAM II		Date of submission is after filing year closure date for ACAM II and is therefore considered a late location
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_ CAFBLS		Date of submission is after filing year closure date for CAF BLS and is therefore considered a late location
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_ RBE		Date of submission is after filing year closure date for RBE and is therefore considered a late location
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_ AKP		Date of submission is after filing year closure date for AKP and is therefore considered a late location
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_RDOF		Date of submission is after filing year closure date for RDOF and is therefore considered a late location

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Date of Deployment	New locations	Date cannot be prior to 01/01/2000	Date Issues	INVALID_DATE_ACAM		For ACAM, date of deployment for a submitted location should be on or after 01/01/2000
Date of Deployment	New locations	Date cannot be prior to 01/01/2000	Date Issues	INVALID_DATE_ACAM II		For ACAM II, date of deployment for a submitted location should be on or after 01/01/2000
Date of Deployment	New locations	Date cannot be prior to 01/01/2000	Date Issues	INVALID_DATE_CAFII		For CAF II, date of deployment for a submitted location should be on or after 01/01/2000
Date of Deployment	New locations	Date cannot be prior to 05/25/2016	Date Issues	INVALID_DATE_CAFBLS		For CAF BLS, date of deployment for a submitted location should be on or after 05/25/2016
Date of Deployment	New locations	Date cannot be prior to 01/01/2000	Date Issues	INVALID_DATE_RBE		For RBE, date of deployment for a submitted location should be on or after 01/01/2000
Date of Deployment	New locations	Date cannot be prior to 01/01/2011	Date Issues	INVALID_DATE_AKP		For AKP, date of deployment for a submitted location should be on or after 01/01/2017
Date of Deployment	New locations	Date cannot be prior to 07/01/2019	Date Issues	INVALID_DATE_RDOF		For RDOF, date of deployment for a submitted location should be on or after 07/01/2019
Date of Deployment	New locations	Invalid date format	Date Issues	INVALID_DATE_FORMAT		Date of deployment entered should be in M(M)/D(D)/YYYY format
Date of Deployment	New locations	Required field	Date Issues	DATE_REQUIRED		Date of deployment should be populated in the uploaded file
Date of Deployment	New locations	Invalid date	Date Issues	INVALID_DATE		Date of deployment entered is invalid
Speed Tier ID	New locations	Invalid Speed Tier ID	Speed Tier ID Issues	INVALID_SPEED_TIER_ID		Speed tier ID entered is invalid
Speed Tier ID	New locations	Required field	Speed Tier ID Issues	SPEED_TIER_ID_REQUIRED		Speed tier ID should be populated in the uploaded file

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Speed Tier ID	New locations	Invalid Speed Tier ID format	Speed Tier ID Issues	INVALID_SPEED_TIER_ID _FORMAT		Speed tier ID entered should be a number
Speed Tier ID	New locations	Speed Tier ID cannot be selected for the SAC's fund	Speed Tier ID Issues	INVALID_SPEED_TIER_ID_FOR _FUND		If the Fund is CAF II, the speed tier ID entered must be greater than or equal to 3.
Speed Tier ID	New locations	Speed Tier ID cannot be selected for the SAC's fund	Speed Tier ID Issues	INVALID_SPEED_TIER_ID_FOR _CAFII_AUCTION		If the Fund is CAF II Auction, the speed tier ID entered must be greater than or equal to 3.
Speed Tier ID	New locations	Speed Tier ID cannot be selected for the SAC's fund	Speed Tier ID Issues	INVALID_SPEED_TIER_ID_FOR _RDOF		If the Fund is RDOF, the speed tier ID entered must be greater than or equal to 4.
All	All			FILE_NAME_LENGTH_ EXCEED_LIMIT	File name cannot exceed 50 characters. Please reference the USAC-provided Data Standards for file naming convention instructions.	File name <= 50 characters
Latitude	New locations	Invalid Latitude range	Latitude Issues	INVALID_LAT_DEG REE_RANGE		Latitude range to the left of the decimal needs to be between -90 & 90, inclusive
Latitude	New locations	Invalid Latitude format	Latitude Issues	INVALID_LAT_FORMAT		Latitude entered needs to be a number
Latitude	New locations	Min of 6 digits to the right of the decimal	Latitude Issues	LAT_DECIMAL_EQ L_5_DIGITS		Latitude should contain a minimum of 5 numbers to the right of the decimal
Latitude	New locations	Min of 6 digits to the right of the decimal	Latitude Issues	LAT_DECIMAL_MI N_6_DIGITS		Latitude should contain a minimum of 5 numbers to the right of the decimal

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Longitude	New locations	Min of 6 digits to the right of the decimal	Longitude Issues	LON_DECIMAL_EQ L_5_DIGITS		Longitude should contain a minimum of 5 numbers to the right of the decimal
Longitude	New locations	Required field	Longitude Issues	LON_REQUIRED		Longitude should be populated in the uploaded file
Latitude/ Longitude	New locations	Duplicate data	Duplicate Data Issues	DUPLICATE_LOCA TION_CAFI		A location has already been reported for the entered latitude and longitude for the CAF1 fund and is therefore considered a duplicate.
Speed Tier ID	New locations	Required field	Speed Tier ID Issues	SPEED_TIER_ID_REQUIRED		Speed tier ID should be populated in the uploaded file
Speed Tier ID	New Locations	Speed Tier ID cannot be selected for the SAC's fund	Speed Tier ID Issues	INVALID_SPEED_TIER_ID_FOR _ACAMII		If the Fund is ACAM II Auction, the speed tier ID entered must be greater than or equal to 2.
Speed Tier ID	New locations	Speed Tier ID cannot be selected for the SAC's fund	Speed Tier ID Issues	INVALID_SPEED_TIER_ID_FOR _AKP		If the Fund is Alaska Plan (AKP), the speed tier ID entered must be greater than or equal to 1.
Speed Tier ID	New locations	Speed Tier can be selected if the study area has no access to terrestrial backhaul	Speed Tier ID Issues	SPEED_TIER_ID_SAT _BACKHAUL		Speed Tier can only be selected if the study area has no access to terrestrial backhaul.
Address	New locations	Cannot exceed 100 characters	Address Issues	INVALID_ADDRESS_LENGTH		Address entered cannot exceed 100 characters
Address	New locations	Required field	Address Issues	ADDRESS_REQUIRED		Address should be populated in the uploaded file
Address	New locations	Cannot be less than 6 characters	Address Issues	INVALID_MIN_ADDRESS _LENGTH		Address entered cannot be less than 6 characters

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
City	New locations	Cannot exceed 50 characters	Address Issues	INVALID_CITY_LENGTH		Address entered cannot exceed 50 characters
City	New locations	Required field	Address Issues	CITY_REQUIRED		City should be populated in the uploaded file
State	New locations	Invalid State	Address Issues	INVALID_STATE		State entered should be a valid 2-digit state code within the list of USAC state codes
State	New locations	Required field	Address Issues	STATE_REQUIRED		State should be populated in the uploaded file
Zip Code	New locations	Invalid Zip Code	Address Issues	INVALID_ZIP_CODE		Zip code entered should be a 5-digit integer
Zip Code	New locations	Required field	Address Issues	ZIP_CODE_REQUIRED		Zip code should be populated in the uploaded file
Number of Units	New locations	Must be a number greater than or equal to 1	Number of Units Issues	INVALID_NUMBER_OF_UNITS _RANGE		Number of Units entered must be a number greater than or equal to 1
Number of Units	New locations	Invalid Number of Units format	Number of Units Issues	INVALID_NUMBER_OF_UNITS _FORMAT		Number of Units entered must be a number
Number of Units	New locations	Required field	Number of Units Issues	NUMBER_OF_UNITS_ REQUIRED		Number of Units should be populated in the uploaded file
Carrier Location ID	New locations	Cannot exceed 50 characters	Carrier Location ID Issues	INVALID_CARRIER_LOCATION_ ID_FORMAT		Carrier Location ID entered cannot exceed 50 characters
Address	New locations	!$%+- ^&*()'?":;} {[]	Address Field Value	INVALID_ADDRESS_FIELD_ VALUE		Address entered cannot contain the following special characters: !$%+-^&*()'?":;} {[]
City	New locations	!$%+-^&*()'?/":;} {[]	City Field Value	INVALID_CITY_FIELD_VALUE		City entered cannot contain the following special characters: !$%+-^&*()'?/":;} {[]
Study Area Code	New locations	This SAC has certified the 'Per Line Per Month Cap' certification	Study Area Code Issues	SAC_PER_LINE_PER_MONTH_ CAP_CERT		Carrier has certified the 'Per Line per Month' certification

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Date of deployment	Date of deployment	The deployment year cannot be edited after certification		INVALID_DATE_OF_ DEPLOYMENT_EDIT		Only day and month can be edited by carrier
HUBB Location ID	Bulk Deletion	Required field		HUBB_LOCATION_ID_ REQUIRED		HUBB Location ID should be populated in the uploaded file
HUBB Location ID	Bulk Deletion	Invalid HUBB Location ID Format		HUBB_LOCATION_ID_FORMAT		HUBB Location ID entered must be an integer
HUBB Location ID	Bulk Deletion	The same HUBB_LOCA TION_ID is present in the Bulk Deletion		DUPLICATE_HUBB_LOCATION _ID_IN_FILE		The entered HUBB_LOCATION_ID Is already present within the Bulk Deletion file and is therefore considered a duplicate.
HUBB Location ID	Bulk Deletion	HUBB Location ID does not exist or not associated with user SAC entitlements		INVALID_HUBB_LOCATION_ID _ SAC_ASSOCIATION		The entered HUBB_LOCATION_ID either does not exist or user does not have permission to edit/ delete records related to it.
HUBB Location ID	Bulk Deletion	Invalid HUBB Location ID status		INVALID_HUBB_LOCATION_ID _ STATUS		The status of the entered HUBB_LOCATION_ID is invalid.
HUBB Location ID	Bulk Deletion	HUBB Location ID is locked by an external system		HUBB_LOCATION_ ID_LOCKED		The entered HUBB_LOCATION_ID has been locked by an external system and therefore cannot be deleted.
Reason Code	Bulk Deletion	Required field		REASON_CODE_REQUIRED		Reason Code should be populated in the uploaded file
Reason Code	Bulk Deletion	Invalid Reason Code Format		REASON_CODE_FORMAT		Reason Code entered must be an integer
Reason Code	Bulk Deletion	Reason Code field does not match a valid reason code stored in the backend table		INVALID_DELETE_REASON_ CODE		Reason Code entered is invalid

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Reason Explanation	Bulk Deletion	Required field		REASON_EXPLANATION_ REQUIRED		For Reason Code 5 – Other, an explanation must be provided
Reason Explanation	Bulk Deletion	Must be between 1 – 1000 characters		INVALID_REASON_ EXPLANATION_LENGTH		Reason Explanation entered must be between 1 – 1000 characters.
All fields	Bulk Modification	None of the fields other than HUBB Location ID and Study Area Code have been populated.		INVALID_BULK_MODIFICATION		For bulk modification, fields other than SAC and HUBB Location ID must be populated.
SAC	Bulk Modification	SAC entered in the Bulk modification file is not associated with HUBB Location ID in the HUBB Database.		INVALID_HUBB_LOCATION_ID_ SAC_ASSOCIATION		SAC entered in the Bulk modification file is not associated with the correct HUBB Location ID.
HUBB Location ID	Bulk Modification	HUBB Location ID entered in the Bulk modification file has already been uploaded to the system		HUBB_LOCATION_UNDER_ MODIFICATION		The HUBB Location ID entered in the Bulk modification file has already been uploaded to the system
Number of Units	Bulk Modification	Number of Units entered is for a previously closed filing year		FY_CLOSED_INVALID_NUMBER _OF_UNITS_CHANGE		Number of Units entered cannot be updated for a previously closed filing year.
Fund ID	Fund ID	Required Field	Fund Issue	FUND_ID_REQUIRED		CAF II Auction SACs are required to indicate which fund they are uploading for.
Fund ID	Fund ID	The Fund ID for this SAC is not valid	Fund Issue	INVALID_FUND_ID		Fund ID is a valid ID.
HUBB Location ID	Bulk Modification	HUBB Location ID is being Modified by an external system		HUBB_LOCATION_ID_LOCKED		The HUBB Location ID entered has been locked by an external system and therefore cannot be deleted.

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Technology ID	New Locations, Bulk Modification & Single edit	Invalid Technology ID		INVALID_TECHNOLOGY_ID		The Technology ID uploaded is not a valid Technology id. Please refer to table above. Value should be between 1-7
Technology ID	New Locations, Bulk Modification & Single edit	Invalid Technology ID Format		INVALID_TECHNOLOGY_ID_ FORMAT		HUBB Technology ID entered must be an integer
Technology ID	New Locations, Bulk Modification & Single edit	Mandatory field requirement for CAFII Auction fund		TECHNOLOGY_ID_REQUIRED_ FOR_FUND		Technology ID is required for CAF II Auction, PR Fixed, USVI Fixed, RDOF funds and optional for all other funds
Other Technology	New Locations, Bulk Modification & Single edit	Other Technology is selected for 'Technology' so a text must be provided		OTHER_TECHNOLOGY_TYPE_ REQUIRED		Other Technology details are required once technology ID 7 is chosen
Other Technology	New Locations, Bulk Modification & Single edit	Invalid special characters		INVALID_OTHER_ TECHNOLOGY_FIELD_VALUE		Other Technology entered cannot contain the following special characters: !$%+-^&*()'?":;} {[]
Other Technology	New Locations, Bulk Modification & Single edit	Other Technology type entered must be between certain character length range		INVALID_OTHER_ TECHNOLOGY_TYPE_LENGTH		Other Technology text entered must be between 2- 1000 characters

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Latency ID	New Locations, Bulk Modification & Single edit	Invalid Latency ID		INVALID_LATENCY_ID		The Latency ID uploaded is not a valid Latency id. Please refer to table above. Value should be between 1-2
Latency ID	New Locations, Bulk Modification & Single edit	Invalid Latency ID Format		INVALID_LATENCY_ID_ FORMAT		Latency ID entered must be an integer
Latency ID	New Locations, Bulk Modification & Single edit	Latency ID is required for CAF II Auction and AK Plan		LATENCY_ID_REQUIRED_FOR_ FUND		Latency ID is mandatory for CAFII Auction, RDOF and AK Plan funds
Other Technology	New Locations, Bulk Modification & Single edit	Technology is empty, but Other Technology has a value		TECHNOLOGY_TYPE_ EMPTY_WITH_OTHER_ TECHNOLOGY_ COMBINATION		You have to choose a Technology value of only 7 if you upload text in "Other Technology" field
Other Technology	New Locations, Bulk Modification & Single edit	Technology contains an incorrect type and Other Technology has a value		INVALID_TECHNOLOGY_ TYPE_AND_OTHER_ TECHNOLOGY_ COMBINATION		You cannot provide text in "Other Technology" field if you have chosen Technology 1-6
Other Technology	New Locations, Bulk Modification & Single edit	First character must be Alpha or numeric		INVALD_FIRST_CHARACTER_ MUST_BE_ALPHA_OR_ NUMERIC		Other Technology details cannot start with anything other than Alpha or Numeric characters

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Study Area Code	All	Not authorized for this SAC	Study Area Code Issues	USER_NOT_AUTHORIZED_ FOR _SAC		Carrier is not authorized for this SAC
Latitude	New locations	Invalid Latitude range	Latitude Issues	INVALID_LAT_DEG REE_RANGE		Latitude range to the left of the decimal needs to be between -90 & 90, inclusive
Latitude	New locations	Invalid Latitude format	Latitude Issues	INVALID_LAT_FORMAT		Latitude entered needs to be a number
Latitude	New locations	Max of 13 digits to the right of the decimal	Latitude Issues	LAT_DECIMAL_MAX_13_ DIGITS		Latitude can contain only a maximum of 13 numbers to the right of the decimal
Longitude	New locations	Min of 6 digits to the right of the decimal	Longitude Issues	LON_DECIMAL_EQ L_5_DIGITS		Longitude should contain a minimum of 5 numbers to the right of the decimal
Longitude	New locations	Min of 6 digits to the right of the decimal	Longitude Issues	LON_DECIMAL_MI N_6_DIGITS		Longitude should contain a minimum of 5 numbers to the right of the decimal
Longitude	New locations	Max of 13 digits to the right of the decimal	Longitude Issues	LON_DECIMAL_MAX_13_DIGITS		Longitude can contain only a maximum of 13 numbers to the right of the decimal
Longitude	New locations	Required field	Longitude Issues	LON_REQUIRED		Longitude should be populated in the uploaded file
Latitude/ Longitude	New locations	Duplicate data	Duplicate Data Issues	DUPLICATE_LOCA TION_CAFI		A location has already been reported for the entered latitude and longitude for the CAF1 fund and is therefore considered a duplicate.
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_PR_FIXED		Date of submission is after filing year closure date for PR Fixed and is therefore considered a late location

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Date of Deployment	New locations	Late location	Date Issues	LATE_LOCATION_USVI_FIXED		Date of submission is after filing year closure date for USVI Fixed and is therefore considered a late location
Date of Deployment	New locations	Date cannot be prior to 07/01/2019	Date Issues	INVALID_DATE_PR_FIXED		For PR Fixed, date of deployment for a submitted location should be on or after 07/01/2019
Date of Deployment	New locations	Date cannot be prior to 07/01/2019	Date Issues	INVALID_DATE_USVI_FIXED		For USVI Fixed, date of deployment for a submitted location should be on or after 07/01/2019
Speed Tier ID	New locations	Required field	Speed Tier ID Issues	SPEED_TIER_ID_REQUIRED		Speed tier ID should be populated in the uploaded file
Speed Tier ID	New locations	Speed Tier can be selected if the study area has no access to terrestrial backhaul	Speed Tier ID Issues	SPEED_TIER_ID_SAT_BACKHAUL		Speed Tier can only be selected if the study area has no access to terrestrial backhaul.
Speed Tier ID	New locations	Speed Tier can be selected if the study area has no access to terrestrial backhaul	Speed Tier ID Issues	SPEED_TIER_ID_SAT_BACKHAUL		Speed Tier can only be selected if the study area has no access to terrestrial backhaul.
Address	New locations	Cannot exceed 100 characters	Address Issues	INVALID_ADDRESS_LENGTH		Address entered cannot exceed 100 characters
Address	New locations	Required field	Address Issues	ADDRESS_REQUIRED		Address should be populated in the uploaded file

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Address	New locations	Cannot be less than 6 characters	Address Issues	INVALID_MIN_ADDRESS_ LENGTH		Address entered cannot be less than 6 characters
City	New locations	Cannot exceed 50 characters	Address Issues	INVALID_CITY_LENGTH		Address entered cannot exceed 50 characters
City	New locations	Required field	Address Issues	CITY_REQUIRED		City should be populated in the uploaded file
State	New locations	Invalid State	Address Issues	INVALID_STATE		State entered should be a valid 2-digit state code within the list of USAC state codes
State	New locations	Required field	Address Issues	STATE_REQUIRED		State should be populated in the uploaded file
Zip Code	New locations	Invalid Zip Code	Address Issues	INVALID_ZIP_CODE		Zip code entered should be a 5-digit integer
Zip Code	New locations	Required field	Address Issues	ZIP_CODE_REQUIRED		Zip code should be populated in the uploaded file
Number of Units	New locations	Must be a number greater than or equal to 1	Number of Units Issues	INVALID_NUMBER_OF_UNITS _RANGE		Number of Units entered must be a number greater than or equal to 1
Number of Units	New locations	Invalid Number of Units format	Number of Units Issues	INVALID_NUMBER_OF_UNITS _FORMAT		Number of Units entered must be a number
Number of Units	New locations	Required field	Number of Units Issues	NUMBER_OF_UNITS_ REQUIRED		Number of Units should be populated in the uploaded file
Carrier Location ID	New locations	Cannot exceed 50 characters	Carrier Location ID Issues	INVALID_CARRIER_LOCATION_ ID_FORMAT		Carrier Location ID entered cannot exceed 50 characters
Address	New locations	!$%+-^&*()'?":;} {[]	Address Field Value	INVALID_ADDRESS_FIELD_ VALUE		Address entered cannot contain the following special characters: !$%+-^&*()'?":;} {[]
City	New locations	!$%+-^&*()'?/":;} {[]	City Field Value	INVALID_CITY_FIELD_VALUE		City entered cannot contain the following special characters: !$%+-^&*()'?/":;} {[]

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Study Area Code	New locations	This SAC has certified the 'Per Line Per Month Cap' certification	Study Area Code Issues	SAC_PER_LINE_PER_MONTH_ CAP_CERT		Carrier has certified the 'Per Line per Month' certification
Date of deployment	Date of deployment	The deployment year cannot be edited after certification		INVALID_DATE_OF_ DEPLOYME NT_EDIT		Only day and month can be edited by carrier
HUBB Location ID	Bulk Deletion	Required field		HUBB_LOCATION_ID_ REQUIRED		HUBB Location ID should be populated in the uploaded file
HUBB Location ID	Bulk Deletion	Invalid HUBB Location ID Format		HUBB_LOCATION_ID_FORMAT		HUBB Location ID entered must be an integer
HUBB Location ID	Bulk Deletion	The same HUBB_LOCA TION_ID is present in the Bulk Deletion		DUPLICATE_HUBB_LOCATION _ID_IN_FILE		The entered HUBB_LOCATION_ID is already present within the Bulk Deletion file and is therefore considered a duplicate.
HUBB Location ID	Bulk Deletion	HUBB Location ID does not exist or not associated with user SAC entitlements		INVALID_HUBB_LOCATION_ID _ SAC_ASSOCIATION		The entered HUBB_LOCATION_ID either does not exist or user does not have permission to edit/ delete records related to it.
HUBB Location ID	Bulk Deletion	Invalid HUBB Location ID status		INVALID_HUBB_LOCATION_ID _ STATUS		The status of the entered HUBB_LOCATION_ID is invalid.
HUBB Location ID	Bulk Deletion	HUBB Location ID is locked by an external system		HUBB_LOCATION_ ID_LOCKED		The entered HUBB_LOCATION_ID has been locked by an external system and therefore cannot be deleted.
Reason Code	Bulk Deletion	Required field		REASON_CODE_REQUIRED		Reason Code should be populated in the uploaded file

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Reason Code	Bulk Deletion	Invalid Reason Code Format		REASON_CODE_FORMAT		Reason Code entered must be an integer
Reason Code	Bulk Deletion	Reason Code field does not match a valid reason code stored in the backend table		INVALID_DELETE_REASON_ CODE		Reason Code entered is invalid
Reason Explanation	Bulk Deletion	Required field		REASON_EXPLANATION_ REQUIRED		For Reason Code 5 – Other, an explanation must be provided
Reason Explanation	Bulk Deletion	Must be between 1 – 1000 characters		INVALID_REASON_ EXPLANATION_LENGTH		Reason Explanation entered must be between 1 – 1000 characters.
All fields	Bulk Modification	None of the fields other than HUBB Location ID and Study Area Code have been populated.		INVALID_BULK_MODIFICATION		For bulk modification, fields other than SAC and HUBB Location ID must be populated.
SAC	Bulk Modification	SAC entered in the Bulk modification file is not associated with HUBB Location ID in the HUBB Database		INVALID_HUBB_LOCATION_ID _ SAC_ASSOCIATION		SAC entered in the Bulk modification file is not associated with the correct HUBB Location ID.
HUBB Location ID	Bulk Modification	HUBB Location ID entered in the Bulk modification file has already been uploaded to the system		HUBB_LOCATION_UNDER_ MODIFICATION		The HUBB Location ID entered in the Bulk modification file has already been uploaded to the system
Number of Units	Bulk Modification	Number of units entered is for a previously closed filing year		FY_CLOSED_INVALID_ NUMBER _OF_UNITS_CHANGE		Number of Units entered cannot be updated for a previously closed filing year.
Fund ID	Fund ID	Required Field	Fund Issue	FUND_ID_REQUIRED		CAF II Auction SACs are required to indicate which fund they are uploading for.
Fund ID	Fund ID	The Fund ID for this SAC is not valid	Fund Issue	INVALID_FUND_ID		Fund ID is a valid ID.

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
HUBB Location ID	Bulk Modification	HUBB Location ID is being Modified by an external system		HUBB_LOCATION_ID_LOCKED		The HUBB Location ID entered has been locked by an external system and therefore cannot be deleted.
Technology ID	New Locations, Bulk Modification & Single edit	Invalid Technology ID		INVALID_TECHNOLOGY_ID		The Technology ID uploaded is not a valid Technology id. Please refer to table above. Value should be between 1-7
Technology ID	New Locations, Bulk Modifications& Single edit	Invalid Technology ID Format		INVALID_TECHNOLOGY_ID_ FORMAT		HUBB Technology ID entered must be an integer
Technology ID	New Locations , Bulk Modification & Single edit	Mandatory field requirement for CAFII Auction fund		TECHNOLOGY_ID_REQUIRED_ FOR_FUND		Technology ID is required for CAF II Auction, PR Fixed, USVI Fixed, RDOF funds and optional for all other funds
Other Technology	New Locations, Bulk Modification & Single edit	Other Technology is selected for 'Technology' so a text must be provided		OTHER_TECHNOLOGY_TYPE_ REQUIRED		Other Technology details are required once technology ID 7 is chosen
Other Technology	New Locations, Bulk Modification & Single edit	Invalid special characters		INVALID_OTHER_ TECHNOLOGY_FIELD_VALUE		Other Technology entered cannot contain the following special characters: !$%+-^&*()'?":;} {[]

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Other Technology	New Locations, Bulk Modification & Single edit	Other Technology type entered must be between certain character length range		INVALID_OTHER_ TECHNOLOGY_TYPE_LENGTH		Other Technology text entered must be between 2- 1000 characters
Latency ID	New Locations, Bulk Modification & Single edit	Invalid Latency ID		INVALID_LATENCY_ID		The Latency ID uploaded is not a valid Latency id. Please refer to table above. Value should be between 1-2
Latency ID	New Locations, Bulk Modification & Single edit	Invalid Latency ID Format		INVALID_LATENCY_ID_ FORMAT		Latency ID entered must be an integer
Latency ID	New Locations, Bulk Modification & Single edit	Latency ID is required for CAF II Auction and AK Plan		LATENCY_ID_REQUIRED_FOR_ FUND		Latency ID is mandatory for CAFII Auction, PR Fixed, USVI Fixed, RDOF and AK Plan funds
Other Technology	New Locations, Bulk Modification & Single edit	Technology is empty, but Other Technology has a value		TECHNOLOGY_TYPE_EMPTY_ WITH_OTHER_TECHNOLOGY_ COMBINATION		You have to choose a Technology value of only 7 if you upload text in "Other Technology" field
Other Technology	New Locations, Bulk Modification & Single edit	Technology contains an incorrect type and Other Technology has a value		INVALID_TECHNOLOGY_TYPE_ AND_OTHER_TECHNOLOGY_ COMBINATION		You cannot provide text in "Other Technology" field if you have chosen Technology 1-6

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Other Technology	New Locations, Bulk Modification & Single edit	First character must be Alpha or numeric		INVALD_FIRST_CHARACTER_ MUST_BE_ALPHA_OR_ NUMERIC		Other Technology details cannot start with anything other than Alpha or Numeric characters
Latency	New Locations, Bulk Modification & Single edit	Uploaded HUBB location does not meet High Latency requirement		ONLY_HIGH_LATENCY_SELEC TION_ALLOWED		Uploaded HUBB location contains Invalid latency ID. Latency ID should be 1 for this HUBBID
Latency	New Locations, Bulk Modification & Single edit	Uploaded HUBB location does not meet Low Latency requirement		ONLY_LOW_LATENCY_SELECT ION_ALLOWED		Low Latency Mandatory for all the SACs associated with PR Fixed and USVI Fixed funds (during upload the csv/edit modal/single line edit/bulk modification).
Speed Tier ID	New Locations, Bulk Modification & Single edit	Uploaded HUBB location does not meet speed tier requirement		INVALID_MUNICIPIO_SPEED_T IER		Speed Tier ID cannot be less than the minimum speed tier ID assigned to the Municipio/ geographic location with PR Fixed and USVI Fixed funds. 7 and above for PR Fixed based on Minicipio and 9 for USVI Fixed
Speed Tier ID	New Locations, Bulk Modificatio n & Single edit	Uploaded HUBB location does not meet speed tier requirement		INVALID_SPEED_TIER_ID_FOR _PR_FIXED		If the Fund is 'PR Fixed' , the speed tier must be greater than or equal to 7 or 9 based on Municipio location is deployed within

Field Name	File Type	Tool Tip/ Description	Issue Category	Issue Code	Error Message displayed in Application	Explanation of tool tip
Speed Tier ID	New Locations, Bulk Modification & Single edit	Uploaded HUBB location does not meet speed tier requirement		INVALID_SPEED_TIER_ID_FOR _USVI_FIXED		If the Fund is 'USVI Fixed', the speed tier must be greater than or equal to 9
SAC	New locations	SAC has been certified by SPO for Annual Certification	Status check	SAC_ANNUAL_CERTIFED_BY_SP O		SAC has been certified by SPO for Annual Certification
HUBB Location ID	Bulk mod/ Bulk delete	SAC has been certified by SPO for Annual Certification	Status check	LOCATION_ID_SAC_ANNUALCE RTIFIED_BY_SPO		SAC has been certified by SPO for Annual Certification