Map Challenge Guidelines and Data Requirements (v1.0)

TABLE OF CONTENTS

Map Challenge – Serviceability

The Broadband map challenge timeline will be posted at **Wyoming Business Council - Connect Wyoming** after the public map is made available. The map challenge will take place prior to the application timeline, and this will be the Broadband Providers primary opportunity to challenge broadband availability/serviceability of locations on the map. Serviceability = served, underserved, unserved.

Fixed wireless on unlicensed spectrum and satellite coverage areas will not be considered in the map challenge process as they were not considered in the determination of served, underserved or unserved on the Wyoming Broadband Maps.

Challenges brought by any Broadband Provider shall only be considered if the Provider has submitted their data as defined in the State of Wyoming ISP Data Submission Guide **State-of-Wyoming-ISP-Data-Submission-Guide-v2.0-11.29.2022.pdf (wyomingbusiness.org)** for their entire service area and met the January 13, 2023 submission date.

During the map challenge period, the challenger must describe the reason for the challenge, provide the location(s) documentation obtained from the **Wyoming Grant Application/Challenge Tool** **(ISP Map)** in the format described below and email the file and reason for the challenge to the Council at Broadbandoffice@wyo.gov .

Map Challenge Data Submission Requirements and Response:

Please submit one file for each challenge type (type 1 and type 2) containing all challenge locations for your company.

Each challenge data file must contain records of each location being challenged in a Comma Separated Value (CSV) format and match the specification provided below. This is the only format that will be accepted.

All fields must be included in the file upload, and all values must conform to the descriptions, codes, or formats identified for each field. The file must include a header row where the field names match those listed in the document.

Instructions on how to download this data from the **Wyoming Grant Application/Challenge Tool (ISP map)** are provided in the Wyoming Broadband Grant/Application Tool Training Guide and the ISP Training Webinar found here**: Wyoming Business Council - Connect Wyoming**

If the serviceability challenge is determined to be because of what another provider reported during ISP data submission, the provider being challenged will be required to provide speed test results in the challenge area that demonstrate that broadband service is currently available at minimum speeds equal to or greater than 100 Mbps for download and 20 Mbps for upload to the Council within 7 days of notification by the Council.

a.   Such speed test results shall be provided in a way that documents the device/method for testing, speed test provider, downstream and upstream speed results, physical address of where the speed test was conducted and associated latency for of consumers in the challenge location(s).

b.   If a Broadband Provider doesn't respond to the challenge, the provider data will be removed from that location(s) and replaced with speed information provided by the Broadband Challenge. The provider must also change its future reporting for the location(s) for the State map.

Additional attributes may be prescribed by the Council at their discretion.

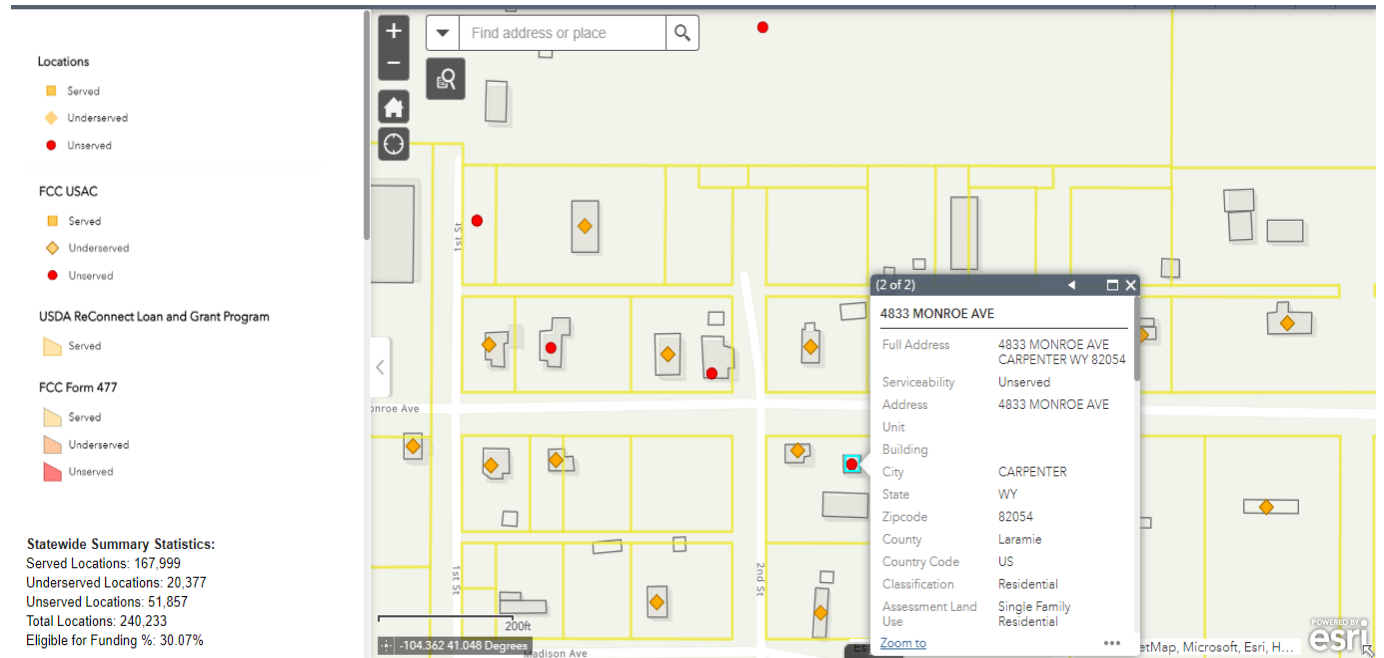Use template below for your submission and include CSV file as described.

Email submission to: **broadbandoffice@wyo.gov**

Template for Email Body

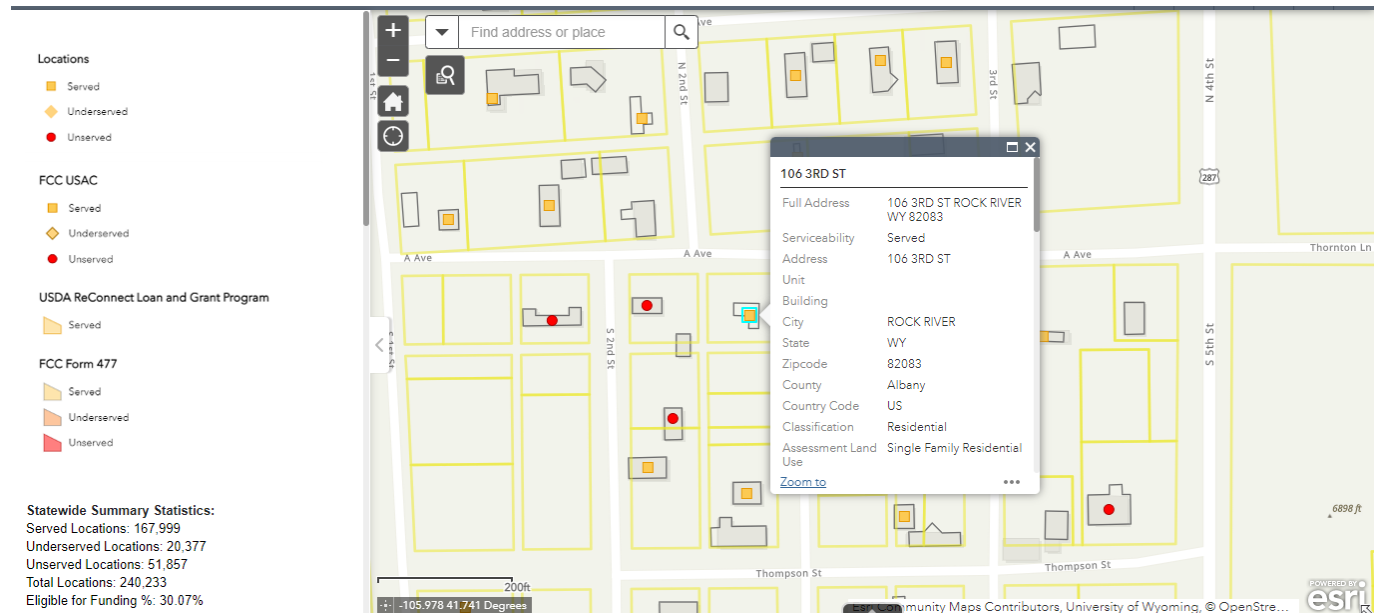| |
|---|
| **Company Name:** |
| **Contact Name:** |
| **Contact Number:** |
| **Contact Email:** |
| **Number of map serviceability locations being challenged:** |
| **Indicate Type of Challenge:** |
| **Type 1 – Map Correction – map location indicates unserved/underserved; You currently provide service >=25/3 -- <100/20 Mbps (underserved) or >= 100/20 Mbps (served). Submit data file to reflect this correction.** |
| **Type 2 – Map Challenge - You are challenging the serviceability currently listed on the map as served. Submit data file to reflect your current offering.** |
| **Provide detailed explanation of why map serviceability challenge is being submitted:** |

Type 1 Example:

You serve all locations on this block with copper-based DSL 50/20. This address needs corrected to serviceability = underserved >=25/3 - <100/20.

Type 2 Example:

You are challenging the serviceability reported by another provider as served.

Instructions on how to download this data from the **Wyoming Grant Application/Challenge Tool** **(ISP Map)** are provided in the Wyoming Broadband Grant/Application Tool Training Guide and the ISP Training Webinar found here: **Wyoming Business Council - Connect Wyoming**.

NOTE: Blue highlighted areas are required fields to be populated by the challenging provider.

Field	Description	Data Type	Example Value	Mandatory (M) / Optional (O)
ID / ObjectID	LightBox address ID	String	123456	M
Full Address	Full address	String	123 N Main St W CASPER WY 12309-1234	M
Serviceability	Serviceability value associated to location	String	2022Q4	M
Version ID	Version ID associated to LightBox SmartFabric	String	2022Q4	M
Address LID	Unique Address ID	String	06037O3HXWJ4UG986Z0MGL	M
Address	The house number, street prefix direction, prefix type, street name, suffix type, street suffix direction all formatted as a single line. Do not include unit information in this field – unit info should go in "unit" field (refer below).	String	123 N Main St W	M
Unit	The unit type and unit number (if applicable).	String	Apt 3A	M
City	The preferred locality of the address as assigned by the postal system and associated with the postal code.	String	Casper	M
State	2 letter state abbreviation.	String	WY	M
Zipcode	The country specific code for postal sorting, ZIP5 or ZIP 9.	String	12309 or 12309-1234	M
County	County Name	String	Natrona	M
Country Code	Country Code (US)	String	US	M
Classification	Classification (Business, Residential, etc)	String	Business	M

Assessment Land Use	Land use Classification (derived from Assessor data)	String	Boarding House	M
Address Type	Column that contains parent categories for Community Anchor Institution (CAI) values: • School • Hospitals • Health/Medical • Government Building • Public Safety	String	School	M
Comm Anchor Inst	Column to capture more distinct Community Anchor Institution (CAI) values (such as): • K-12 Public Schools • Community College • University • Trade School • Health Center • Hospitals • Fire Stations • Police Stations • Government Building (County)	String	K-12 Public Schools	M
Federal Government Program (USDA ReConnect)	Flag where address is associated to federal funding data (ReConnect)	String		M
Federal Government Program (FCC USAC)	Flag where address is associated to federal funding data (USAC)	String		M
Building	Building Name	String		M
Longitude	X-coordinate	String	-104.453	M
Latitude	Y-coordinate	String	25.897575	M
x	Map coordinate of address location (is located here in the table when downloading via County CSV files)	String	-12469479.0855964	M
y	Map coordinate of address location (is located here in the table when downloading via County CSV files)	String	5876858.29954947	M
Challenge Provider	Name of Internet Service Provider (ISP).	String	<ISP Name>	M

Challenge Bizrescode	Assign an enumerated character indicating whether the service at the location is business-only, residential-only, or offered to both business and residential customers. Values include the following: • B = Business-only service • R = Residential-only service • X = Business and Residential service	Enumerated String	B	M
Challenge BSL Flag	Indicates whether a location is a Broadband Serviceable Location (BSL) or not. BSL values must be one of the following numeric codes: • False = 0 • True = 1	Boolean Integer	0	M
Challenge Technology	Indicate the technology used to offer service to this address. The value must be one of the following codes: • 10 = Copper Wire • 40 = Coaxial Cable / HFC • 50 = Optical Carrier / Fiber to the Premises • 71 = Licensed Terrestrial Fixed Wireless • 72 = Licensed-by-Rule Terrestrial Fixed Wireless • 0 = Other	Integer	50	M

Challenge Maxspeed Down	Provide the maximum advertised download speed value (Mbps) for the address as a value (#). Examples (but not limited to): - 6 (represent 6Mbps download speed) - 100 (represents 100Mbps download speed)	Float	100.0	M
Challenge Maxspeed Up	Provide the maximum advertised upload speed value (Mbps) for the address as a value (#). Examples (but not limited to): - 1.5 (represent 1.5Mbps upload speed) - 20 (represents 20Mbps upload speed	Float	20.0	M
Challenge Latency	The offered service is low latency, defined as having round-trip latency of less than or equal to 100 milliseconds based on the 95th percentile of measurement. Values must be one of the following codes: - 0 = False - 1 = True	Boolean Integer	1	M
Challenge ISP Serviceability	- Serviceability value that ISP believes should be associated with address based on the provided speed value	String	Served	M
Challenge Category Code	Code identifying the category or type of Fabric challenge. - Value must be one of the following codes: 1. Incorrect Serviceability	String	1	M

Challenge Contact Name	Full name of the entity's challenge data contact.	String	Mike Broadband	M
Challenge Contact Email	Email address of the entity's challenge data contact. - Value must match valid email address format, e.g.: atom@domain.tld.	String	jane.broadband@ mygovt.gov	M
Challenge Contact Phone	Phone number of the entity's challenge data contact. Value is optional and may be null. Value must match valid U.S. phone number format: 000-000-0000, if not null.	String	888-225-5322	M
x	ESRI map coordinate (column created by exporting data using Eligible Locations tool)	String	-12257089.1808794	M
y	ESRI map coordinate (column created by exporting data using Eligible Locations tool)	String	5244060.87882158	M

NOTES:

- Depending on how the data is downloaded from the Wyoming Grant Application/Challenge Tool (ISP Map), please note that the fields may be in a slightly different order – this will not affect the submission to the State of Wyoming

Version Management

Version	Edited by	Date	Notes
1.0	WBC	4/12/2023	Initial release