LightBox Service
Montana State Broadband Program

August 15, 2022
Agenda

1. Introductions
2. ConnectMT Program
3. Data Flow
4. Program Methodology
Introductions

State of Montana Program Team
- Adam Carpenter – Chief Data Officer, acceptance of MT Broadband Coverage Map.
- Kevin Kent – Administrative Support (A&E Division), State point of contact for ISP submissions (Q&A)

LightBox Program Team
- Bill Price – Account Executive, definition and confirmation of our partnership.
- Robert Szyngiel – Program Director, day to day leadership and project governance for LightBox deliverables.
- Lorenzo Haza – Customer Success Manager (CSM), ISP data acquisition + documentation management
Updating of the ConnectMT Serviceability Map

• The State of Montana is excited to open the window for the next round of ISP Data Acquisition to inform the next update of the ConnectMT Serviceability Map

• Schedule:

  • **Aug/Sept 2022** – ISP data acquisition
  • **TBD 2022** – ISP data processing / map creation

• ISP Data Acquisition Window:

  • **Open:** Mon Aug 15, 2022
  • **Close:** Fri Sept 30, 2022
What’s Changed Since the Last Iteration

• Coverage rules for the next ConnectMT map have changed and become more permissive to reflect future programs.

• Specifically,
  • Feb 2022 Map
    • Areas targeted by federal projects (RDOF, ReConnect, CAF) were recognized as “served” locations.
  
  • Updated 2022 Map
    • Areas targeted by federal projects (RDOF, ReConnect, CAF) are not considered served by default and are eligible to receive funding.
What We Need

• **Serviceability Data** – for all locations that can be served within 10 business days, including the maximum potential speed of that service.

• Please refer to the **State of Montana – ISP Data Submission Guide** for details.
Data Flow

1. **SOURCES OF SERVED LOCATIONS**
   - ISP Submissions of Served Locations
     - ISPs
     - Input file = Served locations (addresses)
     - Input file = Served areas (shapefile)
   - ConnectMT Challenge data
     - Input file = Address list / shapefile
   - ConnectMT Awarded data
     - Input file = Address list / shapefile
   - USDA Reconnect
     - Input file = Served areas (shapefile)
   - CAF Phase II
     - Input file = Served areas (shapefile)
   - RDOF
     - Input file = Served areas (CB shapefile)

2. **SERVED LOCATIONS MATCHED TO LBX BROADBAND FABRIC**
   - Geocode / intersect with LBX Broadband Fabric.
   - Create/retain data layers for MT Secure Map

3. **LOCATION CLASSIFICATION**
   - MT Business Rule Logic
   - Classify every MT location

4. **MT COVERAGE DATA SET CREATION**
   - Location data set
   - Census Block Rollup data set
   - County Rollup data set (TBD)

5. **MAP CREATION**
   - MT Public Map
     - Unserved
     - Underserved
     - Served
   - Grant Application Map / Challenge Map
     - CSV Extract workflow
   - MT Secure Map
     - ISP Served (each)
     - USDA Reconnect
     - CAF Phase II
     - FCC RDOF
     - Demographics

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The following high-level changes were made to the ISP Submission Guide (v1.4):

- Added **best practices** guidance for submitting data (CSV/GIS)

- Added new fields:
  - **Mandatory**
    - BSL
    - MaxDown / MaxUp
  - **Optional**
    - UnitCount

- Updated field names
  - **Field names were shortened** (< 15 characters) to ensure alignment between CSV and GIS files (i.e., avoid cutoff)

- Updated FTP service – no longer a requirement for FTP software - browser can be used instead

All changes are defined within Section 4.7 Version Management
Data Submission – Best Practices

When submitting data to LightBox, please use the following best practices:

• Submit using required format (CSV/ GIS (shapefile))
• Ensure that file contains all mandatory fields
• Submit one file for all records (vs. submitting multiple files)
• Submit highest speed value for each address/unit (when two values may be possible)
• Submit raw speed values (vs. standardizing to State business values)
• Submit one record/row per location (i.e., do not submit duplicate records)

Following these best practices will allow for efficient processing of the data and maps
Proposed Next Steps

• LightBox to send out emails to each ISP outlining data submission process (FTP, submission instructions) [DONE]

• LightBox to send out email with new acquisition timeline Aug 15th – Sept 30th

• LightBox to provide NDA to those ISPs that have not yet signed document and wish to participate in ConnectMT map update process

How to contact LightBox?

-wprice@lightboxre.com - LightBox NDA request and execution.

-ConnectMT Contact Us

-montanaispcoordinator@lightboxre.com - LightBox Support.
  • FTP Service
  • What to submit.
  • How to submit.
  • Questions on status and feedback regarding a submission.