

LIGHTBOX

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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

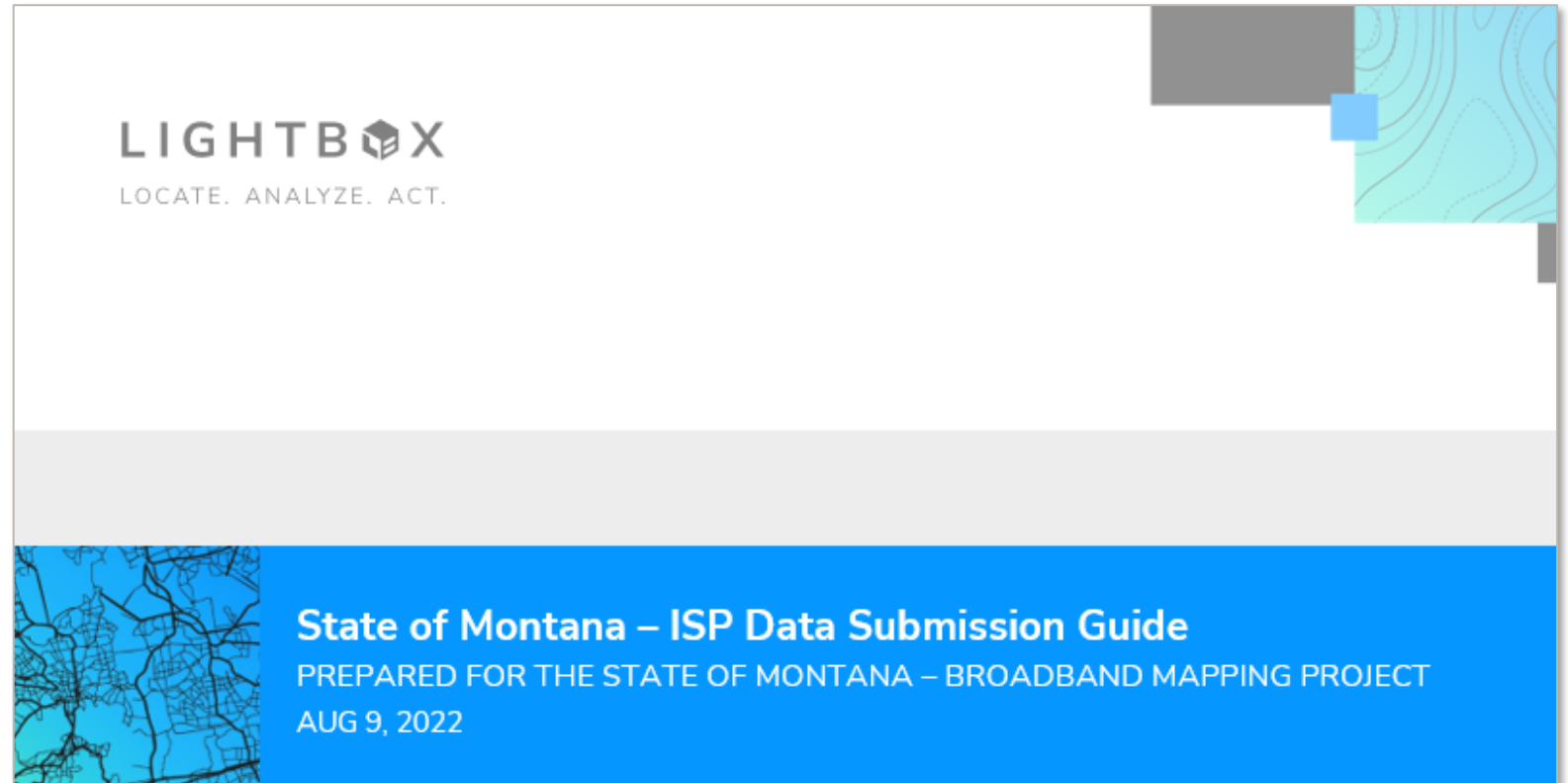
- The State of Montana is excited to open the window for the next round of ISP Data Acquisition to inform the next update of the ConnectMT Serviceability Map
- **Schedule:**
 - **Aug/Sept 2022** – ISP data acquisition
 - **TBD 2022** – ISP data processing / map creation
- **ISP Data Acquisition Window:**
 - **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

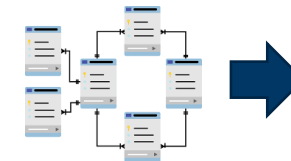
MT Business Rule Logic



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



Changes to the ISP Submission Guide

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](mailto:wprice@lightboxre.com) - LightBox NDA request and execution.

-ConnectMT [Contact Us](#)

[-montanaispcoordinator@lightboxre.com](mailto:montanaispcoordinator@lightboxre.com) - LightBox Support.

- FTP Service
- What to submit.
- How to submit.
- Questions on status and feedback regarding a submission.