



MONTANA DEPARTMENT OF ADMINISTRATION

Director's Office

Greg Gianforte, Governor
Misty Ann Giles, Director

doa.mt.gov
406.444.2460
doadirector@mt.gov

ConnectMT ARPA Project As-Built Requirements

December 2024

“As-built” technical documentation that verifies project completion and demonstrates that the deployed infrastructure, service area, and equipment match those in the subaward agreement and are capable of delivering the minimum proposed speeds as described in the application and the subaward agreement consistently to all potential customers in the project area. ConnectMT Subrecipients will perform field markups of engineering/as-built drawings during construction or repairs. All such documentation shall be provided to ConnectMT. Subrecipients must identify any differences between the network design in the application and the subaward agreement and the “as-builts,” and explain the reasons for the differences and any impacts or changes to the project budget in the subaward agreement as a result of these differences. Subrecipients must also validate the performance characteristics of any deployed infrastructure and equipment that differs from the specifications in the application and subaward agreement.

This document details the ConnectMT ARPA Program’s Project As-built requirements. Project As-builts is just one of several closeout requirements. Upon notifying ConnectMT that the Subrecipient’s project is ready for closeout, the Subrecipient will provide as-built documentation for all infrastructure deployed within the project scope. As-builts will include the following details:

- As applicable, the as-built drawings, documentation, and GIS data shall identify the location of any underground plant attributes on the engineering drawings. For all handholes, provide precise latitudinal and longitudinal coordinates and offset measurements (relative to the edge of the pavement, curb, landmarks, etc.).
- As applicable, the as-built drawings, documentation, and GIS data shall identify any aerial plant attributes necessary to validate that all cable attachment heights adhere to the applicable pole attachment agreement and licenses as well as ensuring that the installation has followed the engineering drawings.
- As applicable, the as-built drawings, documentation, and GIS data shall identify any wireless network attributes necessary to validate that the network adheres to the design. These attributes include base station locations, antenna heights, make and model of base station equipment, antenna gain, frequency bands used, RF signal maps in GIS format in each frequency band, locations able to be served, backhaul configuration, and calculations of available upstream and downstream capacity taking into account line-of-sight and oversubscription.
- As applicable, the as-built drawings, documentation, and GIS data shall identify all fiber routes that the Subrecipient has made available for open access. Total strand count made available

for open access shall be identified and documented throughout the entirety of each cable segment. Network access points shall be identified.

- As applicable, the as-built drawings, documentation, and GIS data shall identify all locations where the subrecipient offers colocation of existing and new facilities for public safety communication networks. Provide the building or telecom hut footprint along with an estimated quantity of available colocation space (i.e., number of equipment rack RUs).
- As applicable, the as-built drawings, documentation, and GIS data shall identify all locations where the subrecipient offers new internet access or a connection increase to an unserved or underserved healthcare facility location or community anchor institution that provides telehealth services. Provide the building footprint along the official name of the facility offered new internet access.
- As applicable, the as-built drawings, documentation, and GIS data shall identify all locations where the subrecipient offers to provide a community center to with free new internet access. Provide the building footprint along the official name of the facility offered free new internet access.

