

Connect Wyoming Broadband Mapping Guidelines

UPDATED 11/2/2021 | wyomingbusiness.org/connectwyoming



About Connect Wyoming:

Wyoming Governor Mark Gordon has authorized federal America Rescue Plan Act (ARP) dollars to initialize the first phase of Drive #4 focused on Broadband infrastructure initiative across Wyoming. The goal of the Connect Wyoming program is to bring faster, more reliable internet to “unserved and underserved” areas. Mapping guidelines are detailed below for the program and additional guidelines are available at wyomingbusiness.org/connectwyoming

Mapping Guidelines:

For purposes of this form, fixed broadband connections are available if the provider does, or could, within a service interval that is typical for that type of connection—that is, without an extraordinary commitment of resources—provision two-way data transmission to and from the Internet with advertised speeds (all references expressed as Mbps, Download/Upload): Below 25Mbps/3Mbps, 25/3 to 100/20, 100/20 to 900/30, 900/30 to 940/35 or Exceeds 940/35 to end-user premises (Last Mile), to include any Middle-Mile and Backhaul Transport paths, including leased services utilized to deliver service to an end user, displayed in separate layers or maps.

Dark fiber acquired under an Indefeasible Right of Use (IRU) should be considered the “owned” facilities of the company that acquired the IRU when the dark fiber is used as part of that entity’s own system.

The Wyoming Business Council (WBC) shall make available to all providers a portal by which to submit data in .shp format outlining all in-service areas currently operating. The .shp file shall contain detailed geospatial information outlining the service area, including technology of transmission (Fiber, COAX, Fixed Wireless, mmWave, Unlicensed, PAL, GAL, DSL) together with maximum upload and download speeds (in Mbps) as detailed as possible, preferably at current GIS standards of three (3) meters or less.

Data provided will be processed through a Quality Control process, verifying against other data available, including previous submitted data or other private or public data, additional assistance may be required from providers to ensure data accuracy. This portal will be always available for updating at any time.

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This portal address is www.wyobbmap.org/page/bb-provider-data

THIS PORTAL WILL OPEN ON NOVEMBER 15, 2021 at 10:00a.m. MST

Bandwidth speed categories needed to be presented in separate attributes are:

- Below 25Mbps/3Mbps
- 25/3 to 100/20
- 100/20 to 900/30
- 900/30 to 940/35
- Exceeds 940/35.

Additional options will be available for optional provider reporting

Terrestrial Fixed Wireless Providers: Terrestrial Fixed Wireless provider's footprint and reported maximum advertised speeds must be based upon existing towers and/or radio access network equipment rather than future or anticipated installations. That is, service at the reported maximum speeds must be available to residential end users within the reported footprint without needing to install additional non-terminal equipment.

Facilities-Based Providers: An entity is a facilities-based provider of a service if it supplies such service using facilities that satisfy any of the following criteria:

- (i) Physical facilities that the entity owns and that terminate at the end-user premises.
- (ii) Facilities that the entity has obtained the right to use from other entities, such as dark fiber as part of its own network or has obtained.
- (iii) Unbundled network element (UNE) loops, special access lines, or other leased facilities that the entity uses to complete terminations to the end-user premises.
- (iv) Wireless service for which the entity holds a license or that the entity manages or has obtained the right to use via a spectrum leasing arrangement or comparable arrangement.
- (v) Unlicensed spectrum.

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Glossary:

Broadband Connection: A wired line or wireless channel that terminates at an end-user location or mobile device and enables the end user to receive information from and/or send information to the Internet at information transfer rates at 25Mbps Download and 3Mbps Upload.

End User: A residential, business, institutional, or governmental entity that subscribes to a service, uses that service for its own purposes. For the purposes of this form, an Internet Service Provider (ISP) is not an end user of a broadband connection.

In Service: A broadband connection is in service to an end user if it is delivering Internet access service at the residential or non-residential premises of the end-user that has purchased Internet access service on a month-to-month or longer-term basis (in-service fixed broadband).

Facilities-based Providers: A non-exhaustive list of examples of facilities-based providers of broadband connections includes

- Incumbent and competitive local exchange carriers (LECs)
- Cable television system operators
- Terrestrial fixed wireless providers (including wireless ISPs, or WISPs) that provide service to end user premises
- Satellite network operators
- Terrestrial mobile wireless operators with owned network facilities
- Electric utilities
- Public utilities