



LAST MILE FEDERAL FUNDING ACCOUNT

Guidelines for Submitting Project Location Data

March 2025

Introduction

This document provides guidelines for submitting Round 2 project location data for Federal Funding Account applications in six eligible counties: Calaveras, Contra Costa, Inyo, Monterey, Orange and Trinity. It includes templates, data schemas, and required information for proposed projects.

Applications, project locations, and map data may only be filed electronically through the [Broadband Grant Portal](#). Applicants can use the Round 2 Public Map ([Public Map](#)) to visualize eligible areas and prepare plans for potential infrastructure projects. Location level eligibility data for the six eligible counties and a data dictionary are available on the [2025 Data and Public Map webpage](#). The data and Public Map will be updated as new information becomes available.

Broadband Serviceable Fabric Locations

The project location data for Federal Funding Account Round 2 applications require detailed information including Broadband Serviceable Fabric Locations, network equipment, and high-level designs.

Table 1 (below) lists all the required fields for locations that the project proposes to serve.

Table 1. Data Format for Project Broadband Serviceable Fabric Locations

Field	Description
DBA Name	Doing Business As. Name of your company.
FCC Registration Number	Provider Federal Communications Commission Registration Number (ONLY numbers no other characters)
Location ID	Broadband Serviceable Location Fabric unique location identifier
Street Address	Street Address including House Number, Prefix, Street Name, Street Type and Suffix. No P.O. Boxes!
Unit Number	Unit number or letter if applicable.



Field	Description
City	City Name
State	Abbreviated US State Name
Zip Code 5	5 Digit Zip Code
Zip Code 4	4 Digit Zip Code
Latitude	Latitude coordinate of the subscriber location. It must have at least 7 decimal places. Must be in the WGS84 or NAD83 geographic coordinate system. (value must be within 32 to 42)
Longitude	Longitude coordinate of the subscriber location. It must have at least 7 decimal places. Must be in the WGS84 or NAD83 geographic coordinate system. (value must be within -114 to -124)
Technology of Transmission	Category of technology for the provision of Internet access service used by the portion of the connection that would terminate at the end-user location (premises). Cable Modem (41 – 43) and Optical Carrier/Fiber (50) are acceptable codes for this section. 10 = Asymmetric xDSL 11 = ADSL2, ADSL2+ 12 = VDSL 20 = Symmetric xDSL 30 = Other Copper Wireline (all copper-wire based technologies other than xDSL; Ethernet over copper and T-1 are examples) 40 = Cable Modem 41 = Cable Modem – DOCSIS 1, 1.1 or 2.0 42 = Cable Modem – DOCSIS 3.0 43 = Cable Modem – DOCSIS 3.1 44 = Cable Modem – DOCSIS 4.0 50 = Optical Carrier / Fiber to the end user (Fiber to the home or business end user, does not include “fiber to the curb”) 60 = Satellite 70 = Unlicensed Terrestrial Fixed Wireless 71 = Licensed Terrestrial Fixed Wireless 90 = Electric Power Line 0 = All Other
Maximum Advertised Downstream Speed	Maximum Advertised Downstream Bandwidth (Mbps) (available upon project completion)
Maximum Advertised Upstream Speed	Maximum Advertised Upstream Bandwidth (Mbps) (available upon project completion)
Deployment Date	Date of Deployment
Total Connections	Number of possible connections at this address



Field	Description
Total Residential Connections	Number of possible residential connections at this address

Data Resources

- [2025 New Application Round Data and Resources](#)
 - » [Federal Funding Account Unserved and Served Locations for Six Eligible Counties](#) (.zip file) including indicators for low income, disadvantaged communities, and Tribal areas.
 - * This file includes location level eligibility data (served and unserved) for the Federal Funding Account. The dictionary includes additional detail.
 - Fabric Version: 4
 - Fabric Date and National Broadband Availability Data: December 31, 2023
 - » [Data Dictionary](#)
 - » [Instructions for Obtaining the Fabric](#)
 - » [Community Anchor Institutions](#) (.csv file)
 - Template
 - » [FFA Geographic Location of All Broadband Serviceable Fabric Locations Template](#)

Project Related Network Equipment

The list below provides the required information and template for proposed project related network equipment:

- 1) Company Information
 - a) Doing Business As (Name of your company)
 - b) Federal Communications Commission Registration Number (ONLY numbers no other characters)
- 2) Equipment
 - c) Network Equipment
 - i) Detailed description of item
- 3) Geocoded Location
 - d) Latitude coordinate of the equipment location. It must have at least 7 decimal places.
 - e) Longitude coordinate of the equipment location. It must have at least 7 decimal places.
- 4) Address Information
 - f) Street Address including House Number, Prefix, Street Name, Street Type and Suffix. **No P.O. Boxes!**
 - g) City Name



- h) Abbreviated US State Name
- i) 5 Digit Zip Code

Data Resources

- Template
 - » [FFA Geographic Locations of Project Related Network Equipment Template](#)

High-Level Design

Submission of a high-level design saved as a kmz, kml file, or shapefile that includes the project route (line/polyline feature type) **and** boundary (polygon feature type showing actual distribution area not Census blocks) are required for all proposed infrastructure projects. Projects must include the elements in the data schema shown below. Applicants may include any additional data or layers.

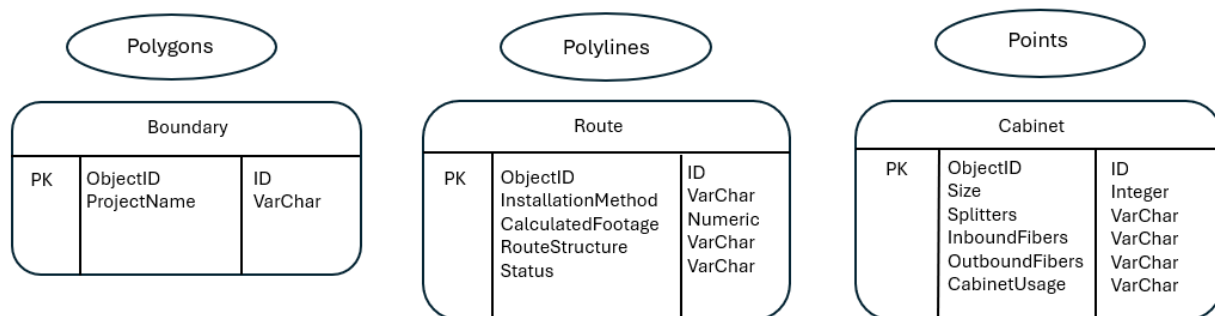


Figure 1. High-Level Design Data Schema

High-Level Design Requirements

- **Boundary**
 - » The **boundary** will be a **polygon** layer representing the discrete constructible segments that will be permitted and constructed. The Project Name on this layer must be unique and must relate to the Project Name field in the application. This will be the unit of measure for completed work.



- **Project Route and Cabinets**

- » The **route** will be a **polyline** (multi-vertex line feature) representing the physical route that the cables travel through. In-field, this could be strand on poles, conduit underground, or a trench for direct bury. This differentiates from cable due to its spatial uniqueness; for example, there may be multiple fiber cables traversing a single route feature, but routes should never overlap. Installation Method will be a VarChar (variable character or string) data type describing the physical installation of the route. Examples of acceptable values are “Aerial,” “Underground,” or “Direct Buried.” Calculated Footage is a computer-defined geometry length in feet. Route Structure is a varchar data type that will refer to the physical media that the route is composed of. Examples of acceptable values are “6M strand,” “2in HPDE,” etc. Status will be a varchar field with acceptable values of “new” or “existing.”
- » The **cabinet** will be a multi-use **point** feature used to represent Central Offices (CO), remote Optical Line Terminal (OLT) hubs, as well as Fiber Distribution Hubs (FDH) and cross connect cabinets. Size will be the integer value of the number of potential fiber cross connects on the outbound side where applicable. Splitters will be a varchar field defining the split ratio of contained splitters, if applicable. An example of an acceptable value would be 1x32. Inbound fibers will be the assigned fibers on the inbound side of the cabinet where applicable. Outbound fibers will be the assigned fibers on the outbound side of the cabinet. Cabinet usage will be a varchar field defining the in-field reality of the cabinet feature. Examples of acceptable values are Colocation , CO, FDH, Remote OLT, etc.

Questions

If potential applicants have questions, send an email to: federalfundingaccount@cpuc.ca.gov.