

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

**Response Requested by April 1, 2016**

January 29, 2016

To: California Broadband Service Providers

Subject: **Request for Broadband Deployment Data as of Dec. 31, 2015**

If you submitted broadband data to us last year, thank you. If you did not, or if this is your first time, we collect broadband deployment data for the purposes of the California Advanced Services Fund in order to help us determine areas eligible for infrastructure grants and loans, and to help let broadband policymakers engage in data-driven decision making. So, your provision of broadband availability data may well have a direct impact on your business.

FOR ALL PROVIDERS:

Data are to be submitted in the formats posted on the [State Broadband Mapping Program](#) website. Please download the data formats, workbooks, or shapefiles appropriate for your submission.

For state video franchisees:

If you are a California state video franchise holder, please check the Annual Reporting (for Holders) section of our [Video Franchising web page](#) for reporting instructions, and continue sending your reports (per DIVCA) to the Video Franchising Group, care of Michael Morris.

For wireline providers:

According to the FCC's data format for Form 477, providers supply broadband deployment data as actual maximum advertised speeds rather than as speed tiers. Those speeds are delineated at the census block level.

For fixed wireless providers:

Please refer to the Fixed Wireless Tower Workbook and data format on the CPUC's broadband data collection page. You will notice that we have added three columns in the tower worksheet: receiver sensitivity, cell radius, and average customer antenna height. Having this data up-front will increase accuracy and reduce processing time. Also, note that if we were unable to validate areas you serve, you may provide subscriber addresses in the Subscriber Address Workbook to help us validate those areas. Analysts will be in contact with you to discuss your coverage, but to make this process go more quickly, you may include a subscriber's address for each census block where you want to add areas back in that we may have clipped in the prior round of data processing. This data is confidential and will be used *only* as part of our validation process to validate a provider's service availability. Please mark what you send to us as "Confidential."

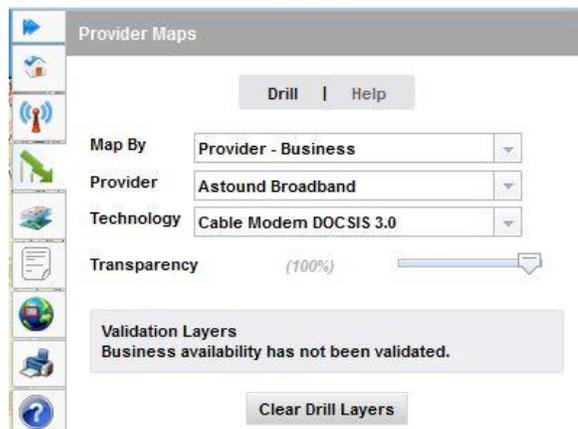
For mobile providers:

As with the FCC's Form 477, please send us a broadband deployment shapefile showing minimum advertised speeds or typical speeds, rather than as maximum advertised speeds in speed tiers. For the four major mobile providers, we rely on the mobile field test results for determining broadband availability, but we still use your submitted data to determine coverage area boundaries and as a reference tool for speed tests. For smaller mobile providers, we rely on your submitted advertised minimum speeds and coverage for broadband availability.

Changes to the Interactive Map

The [California Interactive Broadband Map](#) has undergone some changes over the past year. They include:

- Additional speed tiers added to reflect various offerings greater than 1Gbps.
- Our mean results from CalSPEED drive testing is reduced by two standard deviations to reflect reliability expected by communications customers.
- CalSPEED crowdsourced testing layer now updated every 24 hours based on tests run iPhone and Android devices.
- Served layer indicators specifically for fixed wireless.
- Business services are reflected separately for each provider through the drill tool.



We will continue to make changes to the improve data quality and user friendliness based on feedback from you and from the general public. Please contact us if you have any suggestions to make regarding the interactive map, the data collection process, or the CalSPEED application.

Send questions or comments to broadbandmapping@cpuc.ca.gov

Additional Technical Details

For purposes of continuity, the CPUC will continue to use the following definitions:

Definition of Broadband (we use the FCC's definition):

...two-way data transmission to and from the Internet with advertised speeds of **at least 768 kilobits per second (kbps) downstream and greater than 200 kbps upstream** to end users, or providing sufficient

capacity in middle mile facilities to support the provision of broadband service to end users...

Definition of Availability:

The FCC has changed the way it collects broadband data on Form 477, and now collects (as do we) availability for residential and for business services separately. Residential broadband service is “**available**” when it can be installed, **in response to new requests for service, within 10 days**. However, since business services often require facilities to be engineered and installed, which generally cannot be completed in 10 days, the 10-day requirement does not apply to broadband business service availability.

Provider Map/Interactive Map for public use

Providers’ contact information, including website and phone number, is included on our interactive broadband availability map, in order that people in areas you serve can easily contact you for more information or to order service. **If you do not wish to have contact information available to those who may wish to purchase service from you, please let us know in writing.**

Confidentiality of submitted data: Please identify any information in your Report that you consider confidential. Disclosure of confidential Report information is prohibited by CA Public Utilities Code Sec. 583.

Please submit the requested data no later than **April 1, 2016** in accordance with the instructions on the CPUC’s [State Broadband Mapping Program](#) website.

Thank you for your assistance and cooperation.

Sincerely,



Michael Morris
California Public Utilities Commission