Data Format for Mobile Broadband Deployment

INSTRUCTIONS:

1. Please submit your data using the corresponding ***'Mobile Deployment Sample Shapefile 2025' as a template***.
2. The Shapefile must be submitted as a compressed data file (*.zip file).
3. Add your *Brand name* to the beginning of the file name, followed by an underscore **"_"**
   EXAMPLE: ***AAAMobile***_*Mobile_Deployment_<year 2025>*).
4. Submit to Broadband Data Upload Portal by the deadline.

WHAT THE MAP SHOULD SHOW:

Mobile wireless broadband providers should submit polygons in a shapefile format representing geographic coverage in California for each transmission technology deployed.

The data associated with each polygon should indicate the minimum advertised upstream and downstream data speeds associated with that network technology, and the coverage area polygon should depict the boundaries where users should expect to receive those advertised speeds. If your company advertises different minimum upstream and downstream speeds in different areas of the country using the same technology, then you should submit separate polygons showing the coverage area for each speed. A variation in technology or speed requires the submission of a separate polygon. If your company does not advertise the minimum upstream and/or downstream data speeds, then indicate the minimum upstream/downstream data speeds that users should expect to receive within the polygon depicting the geographic coverage area of the deployed technology.

STANDARDS:

1. All map areas must be closed, non-overlapping polygons with a single, unique identifier.
2. Any variation in any of the required fields necessitates the creation of a separate polygon showing the relevant coverage. In other words, each polygon must have a single value for each of the following fields: technology, downstream bandwidth, and upstream bandwidth.
3. The shapefile must have an assigned projection with an accompanying .prj file.
4. The shapefile must use unprojected (geographic) WGS84 geographic coordinate system.
5. The shapefile must be submitted as a *.zip file. This can be done with a program like WinZip or, in Windows by selecting the files associated with a shapefile, right-clicking the files, then clicking '***Send to***' then '**Compressed (zipped) folder**'.
6. In addition to the shapefile, each submitted *.zip file must include metadata or a plain text "readme" file that contains a comprehensive explanation of the methodology employed to generate the map layer including any necessary assumptions and an assessment of the accuracy of the finished product.

DATA FIELDS:

The following data fields must accompany each polygon. The field names must appear in the shapefile attribute table as shown below:

Field	Description	Type	Example
Brand Name (brand_name)	Name of the entity or service advertised or offered to consumers.	Text	AAA Company
FRN	Provider FCC Registration Number – search here (*ONLY numbers, no other characters*)	Text	0008402202
Provider ID (*providerid*)	A unique 6-digit code generated by the FCC that identifies each service provider – search here (*If provider is not in the FCC Database, leave blank*)	Integer	123456
Broadband Data			
Technology Code (Technology)	Category of technology for the provision service. Acceptable codes for this section are: 0 Other 300 3G - Third-generation mobile wireless service using CDMA-based or GSM-based technology, including CDMA, EVDO / EVDO Rev. A, GSM, WCDMA / UMTS / HSPA, and HSPA) 400 4G - Fourth-generation mobile wireless service using 4G LTE technology (i.e., 3GPP release 8 through release 14) 500 5G-NR - Fifth-generation mobile wireless service using 5G-NR technology (i.e., 3GPP release 15 through release 17)	Integer	300
Minimum Downstream Bandwidth (*MinDown*)	The minimum advertised downstream bandwidth, or the downstream speed users should expect to receive in the coverage area, in Mbps. If the service offered has a maximum advertised download speed that is greater than or equal to 25 Mbps and a maximum advertised upload speed that is greater than or equal to 3 Mbps, enter the value of the advertised download speed in Mbps. If the service offered has a maximum advertised download speed of less than 25 Mbps paired with an upload speed that is less than 3 Mbps, report using one of the following service tiers: • If the maximum download speed is greater than 200 kbps but less than 10 Mbps and the upload speed is less than 1 Mbps: enter 0. • If the maximum download speed is greater than or equal to 10 Mbps but less than 25 Mbps and the upload speed is greater than or equal to 1 Mbps but less than 3 Mbps: enter 10.	Integer	800

Minimum Upstream Bandwidth (*MinUp*)	The minimum advertised downstream bandwidth, or the downstream speed users should expect to receive in the coverage area, in Mbps. If the service offered has a maximum advertised download speed that is greater than or equal to 25 Mbps and a maximum advertised upload speed that is greater than or equal to 3 Mbps, enter the value of the advertised upload speed in Mbps. If the service offered has a maximum advertised upload speed of less than 3 Mbps paired with a maximum advertised download speed that is less than 25 Mbps, report using one of the following service tiers: • If the maximum upload speed is less than 1 Mbps and the download speed is greater than 200 kbps but less than 10 Mbps: enter 0. • If the maximum upload speed is greater than or equal to 1 Mbps but less than 3 Mbps and the download speed is greater than or equal to 10 Mbps but less than 25 Mbps: enter 1.	Integer	20