4.1.1 Spatial Data Accuracy

The FGDC developed the National Standard for Spatial Data Accuracy (NSSDA). This standard will be applied to all data being developed for SFO GIS. This standard can be found at https://www.fgdc.gov/standards/projects/FGDC-standards-projects/accuracy/part3/chapter3.

Spot checks shall be performed on a sample of data using a statistically significant sample size based on random selection methodology. The accuracy of each feature in the sample set will allow an average confidence interval to be calculated. This sample testing must demonstrate that the spatial accuracy of the sample set is within the parameters of the requirements.

For example, as mentioned, AC-18B might have accuracy requirements within +/- 5 feet whereas our standards may be within +/- 1 foot. Data shall be checked and if within the +/- accuracy requirements defined by the FAA Standard (or SFO standard), the data point shall be considered acceptable for that location.

Data Providers should perform their own checks prior to delivery to ensure successful testing by SFO. This test should document the procedures were undertaken and confirm that the results were within the standard for spatial accuracy to permit data to be submitted to SFO.