Vertex O Series
Latitude/Longitude Jurisdiction Locator

Precise Tax Jurisdiction Assignment for Improved Tax Accuracy

Accurate tax calculation starts with precise tax jurisdiction assignment for every transaction. Improving the accuracy of the location will, in turn, improve the accuracy of jurisdiction assignment for enhanced tax accuracy. Vertex O Series supports Tax Area ID assignment based on latitude/longitude coordinates for U.S. locations – even those without a traditional street address such as oil rigs, cell towers, construction sites, even food trucks and pop-up shops.

Two Ways to Leverage Lat/Long Jurisdiction Identification

Vertex offers customers two ways to leverage latitude/longitude coordinates for improved tax accuracy:

- **Add Real-Time Lat/Long Capability to Vertex O Series***
Vertex O Series can be configured with Latitude/Longitude Jurisdiction Locator to determine Tax Area IDs based on U.S. latitude/longitude coordinates in real-time. If your ERP or other source system supports lat/long, the coordinates can be passed to Vertex O Series. If the application does not support lat/long, users can manually input or pass the coordinates from another tool into Vertex O Series. There's even validation logic to ensure users enter the lat/long data correctly. Lat/Long coordinates can also be used in Tax Area ID Lookup and the Transaction Tester features of Vertex O Series. This Lat/Long capability can be licensed at the same time as your Vertex O Series system or added later.

- **Batch Service to Update Source Data****
To retain accurate Tax Area IDs in your source system, leverage the Vertex Latitude/Longitude Jurisdiction Identification Service, an offline service for batch jurisdiction assignment. Simply send Vertex a file containing the lat/ long coordinates for your customers with unknown street addresses, and we'll assign the Tax Area IDs and return the file for you to update your source system.

* This is available with an additional license and fee.
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