

# GeoTAX<sup>®</sup> Premium

Version 7.3

## Technical Notes



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# Introduction

Pitney Bowes is pleased to announce the GeoTAX Premium 7.3 release. This release is available for Internet download. This document provides an overview of release documentation, release highlights, product updates, database compatibility and platform-specific changes for this release.

**Note:** Although we will continue to provide Level 1 technical support for release versions of GeoTAX prior to 7.3, any future product updates will only be provided for the 7.3 version of this product.

## Release Documentation

The technical notes, release announcement and User's Guide for GeoTAX Premium 7.3 are available for viewing and download from the Pitney Bowes Software Support Web site, <http://www.g1.com/support>. To access these documents, log into the Support site and select **Documentation**. Then, select **Technical Product Info** for the technical notes, **Customer Communications** for the release announcement or **User Documentation** for the User's Guide.

## Highlights and General Enhancements

The enhancements and new features introduced in GeoTAX Premium 7.3 include:

- **Matching Changes**

Changes have been made to the Offset default value and the default Squeeze setting.

- **Single-line Address Matching Improvement**
- **Address Point Interpolation Improvement**
- **Centerline Projection Improvement with New Fallback**
- **Match Resolution Improvement when using Multiple Point Datasets**

# Product Updates

## Matching Changes

### **New default Offset value**

The default Offset value has been changed to 40 feet for both batch and online matching.

### **New default Squeeze setting**

Squeeze is now set on by default in both batch and online matching.

## Single-line Address Matching Improvements

Significant improvements have been made to matching when using single-line address input. On average, single-line matching achieves a 3.5% match rate lift compared to using parsed address input, and a 1.0% increase in match rate compared with the prior release of single-line.

## Address Point Interpolation Improvements

Significant performance improvements have been realized when using address point interpolation. Performance improvements vary widely and are dependent on a number of factors, including: the number of points datasets loaded, the quality of the input data, and the closeness of available points (typically rural versus urban). Improvements have also been made to the placement of some interpolated address points, which results in better locations as well as associated data returns.

## Improved Centerline Projection with New Fallback

Additional refinements have been made to improve matching of the street segment to a point geocode in centerline matching. These improvements better determine when a matched street segment is not optimally positioned from the matched point. In cases where the matched street segment and point geocode are not near one another, a new fallback mechanism is automatically invoked. The fallback operation will search along the entire length of the matched street and return the street segment that is closest to the matched point.

## Improved Resolution of Matches when using Multiple Point Datasets

Enhancements have been made to provide the single, best, point-level match when identical, point-level matches are returned from multiple datasets.

# Fixed Change Requests and Known Issues

## Fixed Change Requests

The list below represents all of the change requests addressed in this release. Please review this list carefully to determine whether the following corrections apply to your situation.

Item Number	Change Request	Description
GEOTAX-1665		Fixed issue where city name has to be uppercased before Taxware lookup to match the Taxware file.

## Known Issues

There are no known issues for this release.

# Database Compatibility

**NOTE:** There are no data format changes to the street and point data sets for this release.

## Platform-specific Changes

### New Platforms

For this GeoTAX software release, the following additional platforms are supported:

- Linux 7.1

### Retired and Unsupported Platforms

Please note that we are no longer supporting:

- Solaris 9
- SUSE 9

GeoTAX Premium 7.3 is currently not supported on the following platforms:

- IBM z/OS
- IBM i

### Minimum Supported Levels

The minimum supported level for JAVA is now 1.7.

### AIX

By default, AIX processes use 256 MB of memory. To avoid encountering memory problems using GeoTAX, please update your environment with the variable list below prior to starting your daemon:

```
export LDR_CNTRL=MAXDATA=0xN0000000  
rc.osseal start
```

**NOTE:** where N is in 0xN0000000, N can be any number 1 through 8.

## For Further Assistance

If you have any questions about this release, please contact us via the web, email, or phone for further assistance:

- Create a case in our [Online Case Management System](#),
- Send an email to [software.support@pb.com](mailto:software.support@pb.com), or
- Call our toll-free number, +1 800.367.6950.

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