PC★MILER®30
Web Services

Release Notes

Feature Release and
Map and Date Update

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Feature Release

New Features Now Available:

In addition to access to the latest PC*MILER routing and geocoding engine, the following new features are now available to the applicable Feature Levels identified below. These new features are now accessible in the Version 30 API function set and are not specifically tied to a mid-release dataset.

New Feature Now Available	Service Option Accessible In[1]	North American Feature Level			
		Lite[2]	Standard	Premium	Version[3]
Governor Speed – set the maximum road speed that overrides all other speed values for a trip when calculating travel times	WCF-SOAP WCF-REST		✔	✔	30
Support Full Address based Routing and Reporting	WCF-REST		✔	✔	30
Advanced Time Optimization	WCF-SOAP WCF-REST			✔ (Add On)	30

NOTES: [1] In order to take advantage of new features and routing enhancements, users must convert to using the WCF-SOAP Service offering. No new functionality-related features or data updates are being added to the ASMX-SOAP Service. The WCF-SOAP Service is available at http://pcmiler.alk.com/APIs/SOAP/v1.0/service.svc where active user's login credentials are valid (credentials are case sensitive).

[2] Beginning in Version 25, the Lite Feature Level is available only to the following types of companies: Load Boards, Fuel Tax Services, Freight audit/payment companies, Benchmarking services, and other types of Bureaus.

[3] The Version column lists the versions in which the applicable feature is accessible.

New Feature Descriptions:

Governor (maximum) road speed designation
This new option enables user to user to define a "governor" (maximum) road speed that overrides all other speed values for a trip. This new feature will help users to:

- more accurately calculate ETA's for a trip;
- publish ETA's from PC*MILER Web Services to customers with more confidence;
- and calculate a more accurate HOS-planned route if desired.

Governor Speed is OFF by default. In the RESTful API, to activate Governor Speed provide the **governorSpeedLimit** parameter. In order to activate Governor Speed in the SOAP interface, populate the **GovernorSpeedLimit** Tag in route options for the trip. Valid values are between 1 and 100 mph.

Support Full Address based Routing and Reporting
In the RESTful interface, we now offer full support of Address based Routing and Reporting. The following new POST operations were added to support address based routing and reporting:

- /route/routePath
- /route/routeReports
- /derivedRoute/routePath

For additional information on the details of each operation, please refer to
http:// pcmiler.alk.com/APIs/Help/v1.0/Developer/Reports
http://pcmiler.alk.com/APIs/Help/v1.0/Developer/RouteServices.

Advanced Time Optimization
In the WCF SOAP and RESTful interface, the user has the ability to specify delivery time windows per stop when optimizing the stop sequence for a route plan. This functionality is exposed via the /route/optimize POST operation.

Feature Enhancements:

The following feature enhancements have been implemented in the identified Service Option. Accessibility to certain features depends on Feature Level.

Enhancement Description	Service Option
	WCF
PC*MILER|Tolls discount program update.	✔
Annual updates of defaults for US$/CAD$ conversion rate and trip costs.	✔

Map and Data Updates

ALK maintains an extensive database of city points, ZIP codes, and postal codes in order to provide accurate geocoding in all of its products. The current coverage of this data is as follows:

Country	Number of City Points	Number of Zip/Postal Codes
United States	• 190,708	• 51,157
Puerto Rico	• 2,249	• 205
US Virgin Islands	• 251	• 26
Canada	• 18,014	• 852,830
Mexico	• 56,977	• 144,988

Data Updates Available:

This release gives you access to the 16Q2 data for NA from ALK. The changes from the 16Q1 data are highlighted below:

North American Routing and Map Data Updates

A general summary of the updates in this North American data release include:

- State-wide improvements were made to the road network of **Arkansas, Iowa, Illinois, Indiana, Kansas, Louisiana, Michigan, Minnesota, Missouri, Ohio, Oklahoma, Wisconsin and West Virginia**

- Updates in the form of previously missing roads and other inaccuracies were made to the following areas: **Bridgeport, CT and Norman, OK**

- **45 new** construction road projects were added to the network in the U.S.

- **279** customer reported issues through ALK MapSure™ were fixed

- **Truck attributes**, including one-ways and urban, were updated and confirmed; now totaling **10 million** designations

- **Truck through-travel r**estrictions were updated within the following area limits: **Kalamazoo County and Detroit, MI and Decatur, AL**

- **Weight limits** were updated in **Michigan, Manitoba and Saskatchewan**

- **Seasonal Winter roads** were updated and realigned in **Manitoba**

- **Energy** road network and POIs were added to **Alaska**
- **Tolls** were updated to reflect new and changing rates in **California, Florida, Illinois, Indiana, New Jersey, Oregon, Texas, Virginia and Washington**
- **City points** and **postal codes** were updated for the **US, Canada and Mexico**
- All major **POI categories** were updated including **truck stops and weigh stations**
- Over **19,500 miles of new highway-level** network was added to the United States
- Over **76,000 miles of addresses** were added to the road network in the United States

North American City Point and Zip / Postal Code Data Updates

A general summary of updates include:

Type	Summary
Added to the Database	• 99 city points • 14 new U.S. ZIP codes and acceptable names • 8 new Canadian postal codes • 894 new Mexican postal codes
Changed in the Database	• 20 city points were changed to better align them with their centralized geographic location • The location of 23 U.S. ZIP codes changed to better align them with their service area • The location of 1 Canadian postal codes changed to better align them with their service area
Removed from the Database	• 7 city points were removed • 23 U.S. ZIP codes or acceptable names were retired

North American Toll Data Updates

ALK's North American toll cost database is frequently updated to ensure that the most recently published toll costs are reported in route calculations. This toll data release includes the following toll rate changes:

JURISDICTION	Updates to Toll Road
California	• **Golden Gate Bridge** – rates increased as of 07/01/2016
Indiana	• **Indiana Toll Road** – rates increasing as of 07/01/2016
New Jersey	• **Downbeach Express** – rates increased as of 04/18/2016
Oregon	• **Bridge of the Gods** – rates increasing as of 07/01/2016

Texas	• **Central Texas Tollways SH 130** – 33% rate discount for TxTag & PayBy-Mail for 4-Axles and above from 4/18/2016 to 10/31/2016. Further 75% discount for only TxTag, Pay-By-Mail remains at 33% from 11/1/2016 to 8/31/2017
Virginia	• **Chesapeake Expressway** – Off-season rates remain the same, seasonal rates for summer increased as of 05/21/2016
Washington	• **State Route 520 Bridge** – rates increasing by 5% as of 07/01/2016

North American Standard Point Location Code (SPLC) Data Updates

A general summary of updates include*:

Type	Summary
Added to the Database	• 14 new SPLC point added
Changed in the Database	• The location of 29 SPLC points were changed to better align them with their service area
Removed from the Database	• N/A for this release

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