CoPilot Professional On-Board (Offline) Navigation Vs. Offboard (Online) Map Applications

When introducing GPS navigation into a mobile workforce, companies have a choice of two methods of navigation delivery:

- Adopt an offboard mapping solution, based on a continuous internet connection and the need to consume mobile data

- Install maps, navigation and the associated routing software on-board the users' devices with no reliance on continuous offboard mobile data downloads

This document outlines the advantages of Option B, an on-board solution.

ENTERPRISE WIDE BENEFITS

- **Best Performance** – Map and navigation information is available immediately for the application to display as there is no latency associated with server requests for more mapping and routing information.
  - Utilizes the device processor to enable quick route calculation and automatic re-route calculation locally on the device
- **Best Reliability** – CoPilot uses the devices' built-in GPS chipset so there is no reliance on wireless communications for navigation. Users can always get directions, even in areas of patchy coverage.
- **Substantial Cost Savings** – Use of built-in GPS receiver and maps stored on-board as opposed to wireless communications prevents consumption of mobile data.
  - Leading offboard navigation apps can easily consume half a MB of data per mile, per vehicle
- **Commercial Vehicle Routing Expertise** – In addition to passenger vehicles, CoPilot can provide navigation for commercial plate vehicles and heavy trucks based on vehicle height, length, width, axle, weight and load type. With the ability to store multiple profiles on a device, it is suited to fleets with a variety of different sized vehicles.

DRIVER BENEFITS

- **Driver Safety** – On-board navigation will continue to provide direction in remote locations/areas with little/no mobile network coverage.
- **Privacy** – Location does not need to be shared with any servers.
- **Longer Battery Live** – No wireless communication needed to load map tiles.
- **Richer User Experience** – On-board mapping supports a greater level of mapping and POI detail.
- **Consumer Friendly UI** – CoPilot is designed with the look and feel of current iOS and Android apps, providing drivers a navigation experience they're familiar with.

Useful Live Services

With CoPilot Professional you can achieve the best of both worlds – reliable, cost-effective on-board mapping and navigation augmented with useful live services that use the mobile internet.

- **ActiveTraffic™** – Provides the fastest route based on real-life traffic speeds.
- **Fuel Prices** – Locate nearby gas stations based on location and price.
- **Incremental Map Updates** – Download only the incremental difference between the latest data and the data already stored on the device.

THE "LATEST" MAP DATA

It is a common misconception that using an offboard mapping solution enables routing using the latest maps. This is not the case.

There is no greater frequency in updates of offboard solutions than some on-board providers. At ALK Technologies, our North America maps are being continuously updated by our in-house GIS team and made available to customers on a quarterly basis.

With the option to have the maps stored locally and updated regularly, ALK provides a considerably better proposition than having dated maps continuously downloaded using mobile data to the workers' mobile devices.

For more information contact busdev@alk.com or visit www.copilotpro.com

About ALK Technologies, Inc.

ALK Technologies, a global leader in GeoLogistics™ and navigation software, is focused on developing innovative solutions for transportation, logistics and mobile workforces.

For over 30 years, ALK has led the transportation industry with high-quality routing, mileage and mapping solutions.

ALK Product Portfolio

ALK Maps™
The transportation industry's source for interactive routing and visualizations.

CoPilot Professional
Fully integrated navigation software with detailed audio and visual instructions.

CoPilot Truck
Fully integrated navigation software enhanced with industry standard PC*MILER routing and truck-specific attributes.

PC*MILER
The transportation and logistics industry standard for routing, mileage, and mapping.

alk
A TRIMBLE COMPANY