EFFICIENT ESRI-BASED AVL SYSTEM FOR MUNICIPAL AND GOVERNMENT Fleets

CalAmp’s GovOutlook™ AVL system is fully integrated with Esri ArcGIS and designed to help cities and counties protect valuable assets, cut costs, and improve productivity. By providing a complete, real-time view of vehicles and mobile resources, fleet managers are immediately able to lower costs by managing vehicle idle time, streamlining vehicle maintenance, and reducing unauthorized vehicle use, speeding and unsafe driving.

GovOutlook provides a web-based platform to deliver real-time visibility and actionable information, from physical location to operating status, which can be leveraged to increase driver safety and security and provide quicker response times to improve customer service. Optimized for mixed fleet management, GovOutlook was developed to meet the diverse fleet tracking and management requirements of municipal agencies ranging from public works to fleet maintenance and everything in between.

FIGURE 1 - MAPPING & DISPLAY
View each vehicle’s real-time location and details of parcel data from GIS maps
GOVOUTLOOK KEY FEATURES

IN-VEHICLE PERIPHERALS
GovOutlook is capable of interfacing with a wide variety of in-vehicle peripherals, mobile data terminals, and various sensor systems.

SENSORS
GovOutlook provides the ability to monitor virtually any sensor or device on the vehicle including ignition, lights, PTO, doors, and various connected devices.

PANIC BUTTON
Vehicles can be equipped with an emergency panic button that is a dashboard-mounted button and sends a priority signal over the air to the dispatch interface or real-time alert. This can also be offered as a wireless handheld panic button that can be activated up to 300 feet from the vehicle.

ENGINE DIAGNOSTICS
An interface to OBD-II or JBus engine diagnostics can be added to the CalAmp AVL system, providing real-time access to engine trouble codes and other advanced vehicle information.

MESSAGING TERMINAL
A driver interface can be configured to provide a driver login, navigation, and a two-way messaging interface between the driver and AVL mapping operator. All messages sent by the driver are time and location tagged and can be used for a variety of status updates and activity reporting.

DRIVER IDENTIFICATION
CalAmp offers a variety of Driver ID solutions, including readers that are compatible with existing customer ID cards such as RFID and magnetic strip cards. In addition, CalAmp can offer an iButton key fob and reader solution for unique, stand-alone driver identification.

MAPPING & DISPLAY
Rapidly analyze vehicle data for efficient, critical decision making.

REAL-TIME VEHICLE TRACKING
Real-time vehicle tracking displays current location and fleet status, along with address, sensor and other attribute information.

MAP VIEWING FEATURES
Esri GIS-based mapping displays your fleet using your own GIS map layers referencing infrastructure, assets, routes, facilities, and more.

GEO-BORDERS
Fences can be created as polygons, as a configurable radius from a specific point, deviation from a line, or from existing boundaries, landmarks or zones from your GIS.

REPORTING
Generate standard and custom reports in both tabular and graphical formats based on archived vehicle location and status data. Reports may be produced for selected vehicles according to time, location and status criteria.

BREADCRUMBS & BREADCRUMB REPLAY
GovOutlook provides a breadcrumb trail which illustrates the path taken by a vehicle. Additionally, users can view a historical “replay” of a vehicle trip and its activity history at various speeds. Replay controls allow users to play, pause, rewind, and fast forward to review a vehicle’s movement.

INTERFACING WITH THIRD PARTY APPLICATIONS
CalAmp is able to leverage its engineering expertise and seamlessly integrate with third party resources and databases to exchange data with applications such as fleet management, work order, dispatch, GIS, and routing systems.

FIGURE 2 - ADVANCED ESRI GIS MAP DISPLAY
Simultaneously display satellite, route, parcel, and other map layers.
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GOVOUTLOOK KEY FEATURES

DECREASE COSTS.
INCREASE PRODUCTIVITY.
MANAGE MIXED FLEETS.
ANY TIME, ANYWHERE.

GovOutlook is an innovative Esri-based web application designed to improve the productivity and efficiency of the modern vehicle fleet. CalAmp’s solution combines a robust AVL system with an in-vehicle GPS device and wireless communications to deliver complete fleet visibility around the clock.

- Productive fleet assets with greater efficiency and lower cost
- Lower operating expenses through decreased labor, overtime hours and miles driven, and greater adherence to vehicle maintenance
- Improved safety through driver and asset monitoring
- Increased productivity through rapid dispatch, route compliance and other operational metrics
- Greater fuel efficiency and cost reduction through operational monitoring

WWW.CALAMP.COM/GOVOUTLOOK

About CalAmp
CalAmp (NASDAQ: CAMP) is a proven leader in providing wireless communications solutions to a broad array of vertical market applications and customers. CalAmp’s extensive portfolio of intelligent communications devices, robust and scalable cloud service platform, and targeted software applications streamline otherwise complex machine-to-machine (M2M) deployments. These solutions enable customers to optimize their operations by collecting, monitoring and efficiently reporting business-critical data and desired intelligence from high-value remote assets. For more information, please visit www.calamp.com.

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