



# MOBILE AVL MAPPING

TRACK, LOCATE, AND MAP MOBILE UNITS IN REAL TIME

## MOBILE ACCESS TO CRITICAL INFORMATION

Using Spillman Flex's Mobile Automatic Vehicle Locator (AVL) Mapping module, personnel in the field can access critical call information and a map from a single screen. Addresses, cross streets, hazards, updated call comments, responding units, weather, and premises and HazMat information can be accessed alongside the map. From the AVL map, personnel can see the location, status, and contact information of responding units, view the quickest route to call, access building schematics and live camera feeds, and identify locations for staging units and setting perimeter boundaries. Users can also display any point on the AVL map using Google Maps™ mapping service and obtain GPS coordinates by right-clicking on any map location. Units can also add their own comments to the call, which are then seen by dispatch and other mobile users.

## UNIT TRACKING

The Mobile AVL Mapping module allows dispatchers to easily see the real-time locations of all AVL-equipped units on the CAD map. Knowing which units are in the vicinity of an active CAD call enables dispatchers to make more informed decisions and ask nearby officers to assist if necessary. By linking with the Google Earth™ mapping service, users can also replay patrol vehicle routes on a Google Earth map, enabling them to easily review pursuits or evaluate police routes.

## SERVER AVL

With server AVL, users can view the location of a unit as soon as the vehicle is started and the transmitter begins sending pulses. This

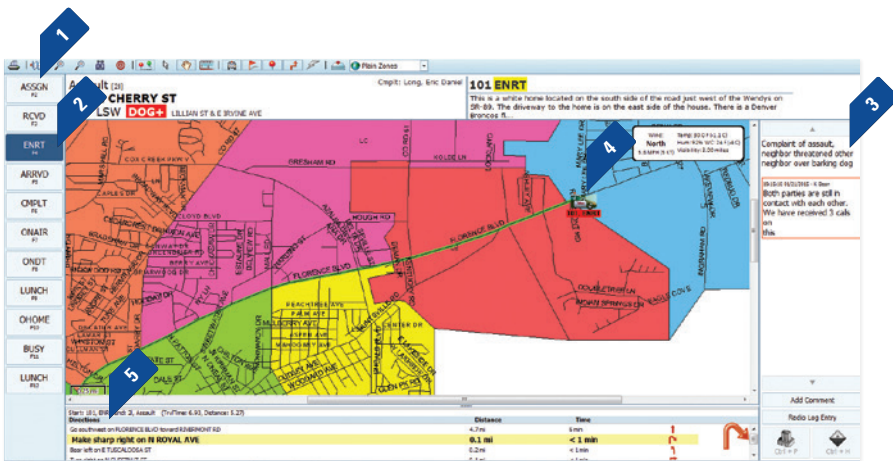
information is transmitted directly using a combined GPS transmitter and wireless modem. Server AVL works even in vehicles without laptop computers or in a vehicle where the laptop computer is turned off.

Users can improve response times by using the Quickest Route module in conjunction with the Mobile AVL Mapping module to determine the ideal route to a call. The Quickest Route module takes into account an agency's local street network, while recognizing barriers such as rivers, canyons, and limited-access highways. Officers can see turn-by-turn directions on the AVL map screen or expand the panel to see a full list of directions to a call. Dispatchers can also use Quickest Route to determine which unit is closest to a call, greatly reducing the time needed to get a unit on scene. Instead of dispatching by proximity only, the Mobile AVL Mapping module calculates actual drive time in order to recommend units that can arrive on scene first.

## CLIENT AVL

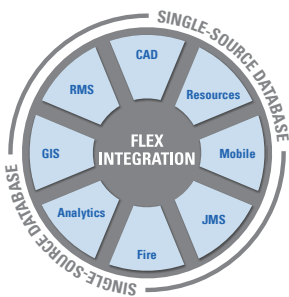
Client AVL uses a GPS antenna connected to a mobile laptop computer to receive real-time location information. The GPS data, along with other data from the laptop, is transmitted to an agency's dispatch center where it can view the unit's movements on the CAD map. Agencies can utilize any National Marine Electronics Association (NMEA) 2.0 compliant device to communicate with the module.

# FLEX



1. Large toolbar buttons allow users to utilize a touch-screen while driving.
2. With a single touch, field personnel can change a unit status from the AVL mapping screen.
3. Field personnel can read the latest updates from dispatchers and other responders in the Call Comments box.
4. Responders can view other responding units, including full contact information and color-coded statuses, such as “enroute” or “arrived.”
5. Users can display the fastest route to a location using the Quickest Route module in conjunction with Mobile AVL Mapping.

Spillman Flex’s Mobile AVL Mapping, CAD Mapping, and Quickest Route modules are sold separately. The AVL Mapping module requires additional hardware. The Quickest Route module must be used in conjunction with the Mobile AVL Mapping module.



## TOTAL SOFTWARE INTEGRATION

Spillman Flex’s Integrated Hub™ is an open, centralized database where all agency information is entered, stored, and extracted in real time, providing total software integration. This allows users to enter data once and have it automatically shared among related modules. Agencies using this module can optimize their system and enhance productivity through total integration with other Flex modules.

