

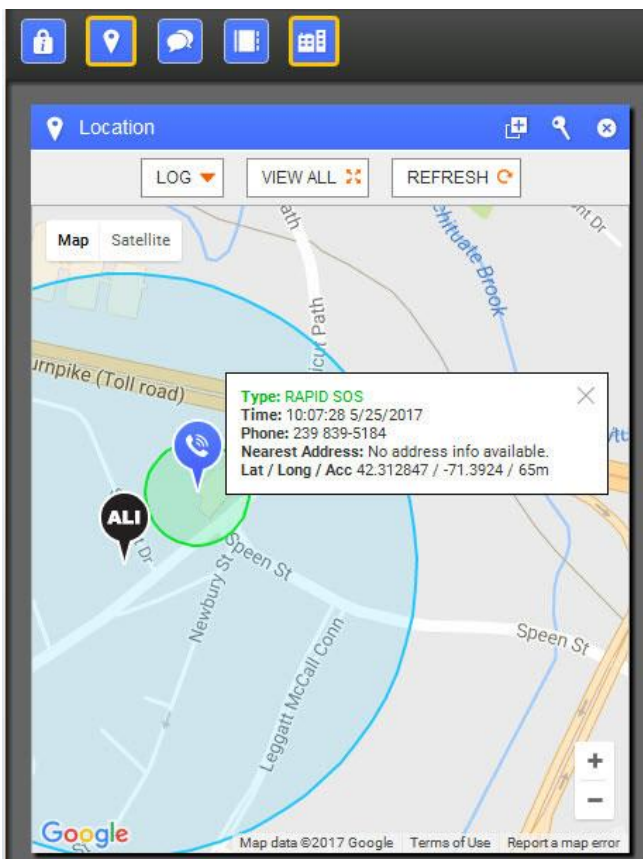
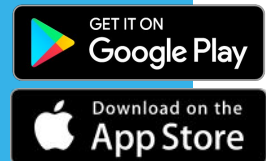
You've signed your customer addendum, now you can get better location from RapidSOS! Here's how:

RapidSOS is working with device manufacturers and device operating system providers to activate millions of devices so that they send location to the Clearinghouse every time a citizen dials 9-1-1 on their regular phone dialer.

Ahead of this widespread activation, RapidSOS has developed a tool called SOS Beacon that can be installed on any smartphone. Once it is installed, you just need to grant permissions and by default it will enable device-based hybrid location sharing to the production environment of the RapidSOS NG9-1-1 Clearinghouse. Beacon will send location to the Clearinghouse when 9-1-1 is called on the phone's native dialer – no need to use the Beacon app to initiate the call! Location will automatically show up in the Location Smartlet.

How To Test:

1. Download the SOS Beacon app from the App Store or Google Play Store and set it up as described above.
2. Place a test call from the phone from within your PSAP's jurisdiction.
3. When the call is answered in your PSAP, the Rave 911 Client will pop-up out of the system tray (just as it does when there is a Smart911 Safety Profile available).
4. Open the Location Smartlet.



The Map:

- The ALI latitude/longitude is represented by the "ALI" pin and blue accuracy circle.
- The RapidSOS location is represented by the pin with the phone icon and green accuracy circle.
- Both are clickable to obtain additional details – the image above shows the RapidSOS pin selected to show the pop-up box of details.
- If the telecommunicator clicks "Refresh," Rave will re-query RapidSOS for any available update on phone location, and update the map with any received.
- The "Log" dropdown shows a list of every piece of location information obtained through the course of the ticket – RapidSOS and ALI.

RapidSOS NG911 Clearinghouse Solution

The RapidSOS NG9-1-1 Clearinghouse does not replace current carrier location; instead, it provides supplemental location in addition to carrier location. This location is computed on the device using all the sensors on the smartphone (WiFi access points, bluetooth beacons, etc.), not on the network, and it is sent to the RapidSOS Clearinghouse when a caller places a native 9-1-1 call (no need to use an app to initiate the call).

Security

The location is stored securely in the NG911 Clearinghouse, which is an access-controlled NENA i3 compliant LIS/ADR.

Speed of delivery

Upon delivery of a 9-1-1 call, CPE/CAD software automatically queries the Clearinghouse, providing location information at the same time as Phase 1 location data arrives.

Location display

RapidSOS supplemental location data is displayed alongside the ALI location (when available), not instead of the ALI location.

Cost

The RapidSOS Clearinghouse is a free service to PSAPs, and there is no charge for Clearinghouse queries.

Clearinghouse Architecture Overview

