INdigital Update Talk About It Tuesday 06-21-22

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RAPIDSOS

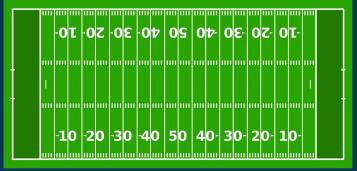
- More than 80% of all calls are received from cell phones.
- Landline phones are becoming less relevant
- More than half of the US households now only use cellphones as their primary means of communication

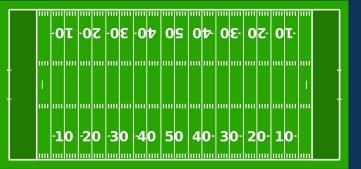


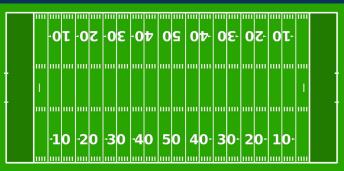
LOCATION ... LOCATION... LOCATION

Phase I ANI/ALI (WPH1) requires the carrier to provide the calling party's call back number, the cell tower location and the direction of the cell tower antenna

Think 300 meters or the size of three football fields....





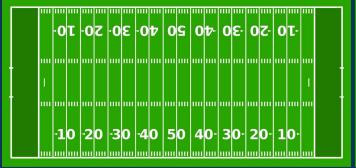


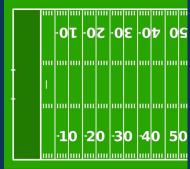
LOCATION ... LOCATION... LOCATION

Phase II ANI/ALI (WPH2) requires the carrier to provide the calling party's call back number, and more specific latitude and longitude information.

This narrows down the location to 50 meters for 70% of the calls and 150 meters for 95% of the calls

Now we have narrowed down our location to one and a to half of a football field or even smaller.







Hybrid LOI - Location Information

Cellphone LOI technology communications through a digital handshake that occurs in the background -

This information includes dips into third party services and apps including GPS locations, WIFI hotspots, Cell phone towers, altitude, speed etc. This information is stored in a Data Clearinghouse then shared with 911 PSAPS in addition to the

Phase II location.

LOI cannot be turned off for 911 calls

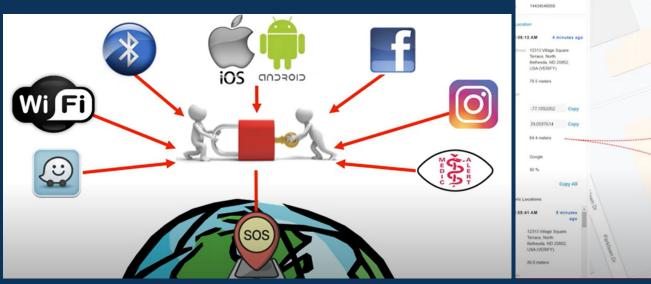


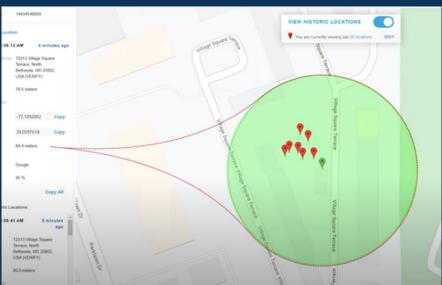
Rebid

The rebid asks RapidSOS to send a new data packet from the clearinghouse.

Each time RapidSOS sends a new data packet the ring around the caller gets smaller and smaller and leaves a breadcrumb trail of movement.

Location has now updated to potentially 5 meters or about 20 feet.





How much does it cost?

RapidSOS is a free service to PSAPs that allow secure access to NG911 Clearinghouse.

How do we set up our users?

RapidSOS allows agencies to set up their own users, permissions and logins.



We don't use RAPIDSOS, how can we get access to it?

INdigital is a partner of RAPIDSOS - to set up a user's portal for your agency, contact: Jennifer Poole <u>ipoole@rapidsos.com</u> 407-314-3534

What if I have a silent call and the locations are different?

If there is a large discrepancy between RAPIDSOS location and WPH2 the agency should create a call to both locations.

Texty Integration



INdigital partnering with RAPIDSOS and integrating with Texty gives call takers automatic access to RAPIDSOS location information.

What if my RAPIDSOS portal populates but no call has come through, via voice or text?

Because voice calls are routed using a different mapping system it is possible the voice call may have gone to a different agency. Many times these calls are near your PSAP border. These calls should be followed up on just as you would a 911 hangup call, via a voice call and/or Texty message. Should the call have needed to route to your agency a trouble ticket can be issued for investigation by emailing support@indigital.net

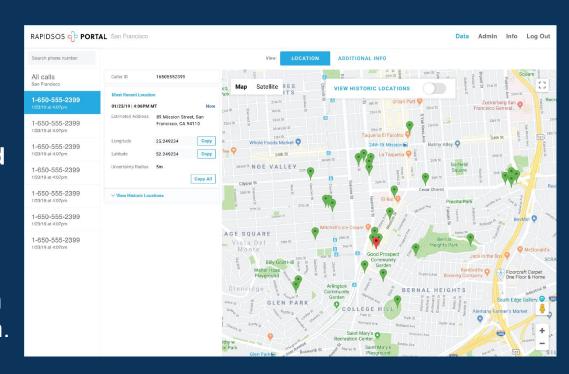


Call Routing Limitations

Your PSAP can receive a RapidSOS hit even if the call is delivered somewhere else.

This is because call routing and RapidSOS are two disparate systems currently.

With the exception of Jefferson County, calls are routed based on tower location, not caller's location.





Charleston Case Study

AT&T experienced a Selective Router outage in May 2021.

Many PSAPs in South Carolina were without 9-1-1 service for hours.

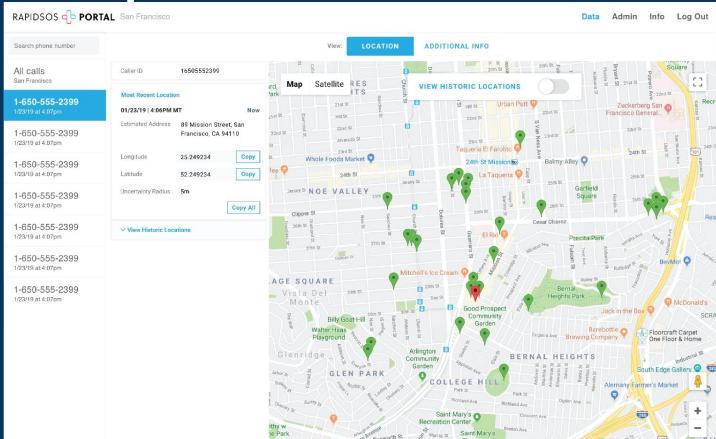
Even though calls could not be delivered, telecommunicators could see who had attempted to call 9-1-1 on Rapid Portal.

Callbacks were initiated by telecommunicators based on the info in Rapid Portal.





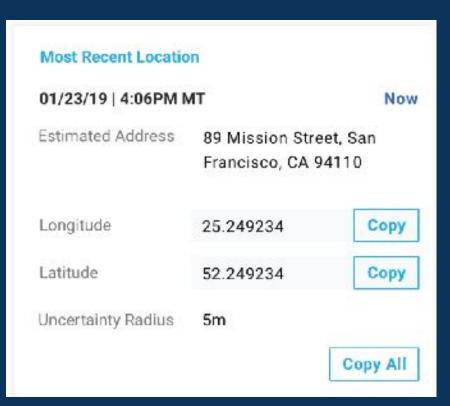
Base Map Limitations





Base Map Limitations

This is only an approximate location based on Google Maps as the base layer





Birmingham Case Study

A domestic violence call was dispatched by Birmingham 9-1-1 in November of 2020.

Due to the caller's location being determined by RapidSOS using Google maps, the location of the incident was a block off.

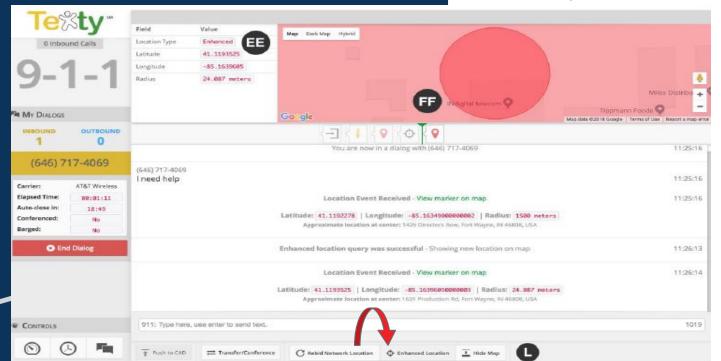
The telecommunicator correctly identified this as an approximately location, and a positive outcome was had rather than police trying to enter the wrong location.





RapidSOS Integration

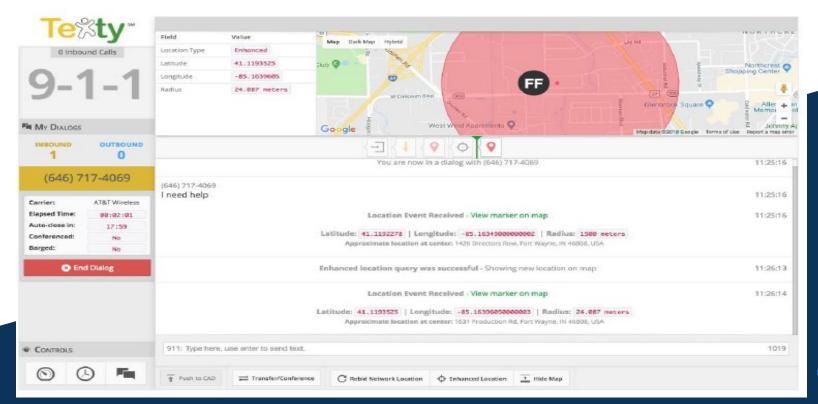
Using the Enhanced Location Button will allow the Telecommunicator to rebid the location of the texter to obtain a better location. Once the button is clicked (L) on the bottom toolbar, Texty will query from the RapidSOS NG9-1-1 Clearinghouse.



If a location is available it will automatically display on the active session map. At this time you will see two location circles; the darker of the two will display the caller's precise location.



The zoom functions on the right side of the map allow you to display both the initial location and the location after rebid. The small red dot inside the larger circle will identify the precise "Enhanced Location" of the caller. A new latitude, longitude and radius is then provided.





INdigital Regional Training

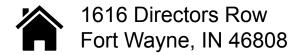


- June 7 Cullman
- June 8 Tuscaloosa
- August 16 Tallapoosa
 - August 17 Troy
- September 13 Mobile
- September 29 Homewood



QUESTIONS??

Contact Us





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