

E911 Applications



Geolocation and E911

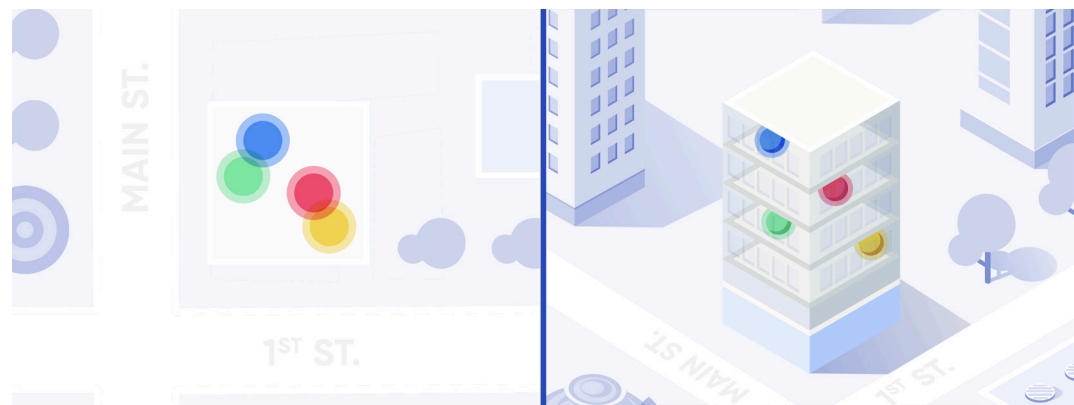
Enhanced 911 (E911) systems provide vital information about a caller's location, filling a gap in emergency services brought about by the rise of mobile phones. Yet E911 location data still lacks the granular detail first responders need to quickly locate callers in multistory buildings and dense urban areas.

→ When first responders spend their time looking for people instead of helping them, response times and outcomes suffer.



Adding altitude to geolocation

In July 2020, the Federal Communications Commission (FCC) finalized a mandate requiring that E911 data include "floor level" altitude information. NextNav and its partners are now rolling out new technology to fulfill this mandate, covering 100+ markets by Q1 2021 and expanding nationwide by 2025.



Current state: 2D (X/Y)

With NextNav: 3D (X/Y/Z)



Expanding the ecosystem

In addition to its altitude service, NextNav is partnering with device manufacturers to embed this new capability into the mobile phones, tablets, and other mobile platforms first responders use every day. This will expand the benefits of altitude information to include first responders themselves, improving situational awareness for incident commanders, saving lives, and improving the effectiveness of emergency response.

Now NextNav is building partnerships with application developers who can incorporate altitude information into the workflows and systems first responders use in their day-to-day operations. Ingesting altitude data from dispatchers, building visualizations to improve situational awareness, and tracking blue force personnel are just some of the use cases which will benefit from the addition of this new altitude data.



Working with NextNav

NextNav licenses SDKs and API calls to its Pinnacle service so developers can easily incorporate this powerful new data stream into first responder applications. NextNav partners with FirstNet (built by AT&T) to deliver its service through a pre-built API catalog specifically built for the applications used by police, fire, and EMS personnel.

Ready to learn more?

Contact NextNav today or visit the FirstNet API catalog to get started.

[Learn more](#)