



Developments in 9-1-1 Location Accuracy

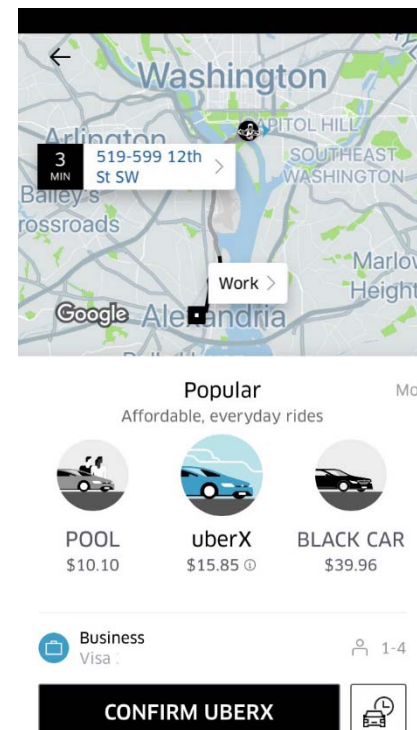
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Where is your
emergency?

“Why can Uber find me, but 9-1-1 can’t?”

A Visit with the FCC

- Another day, another advocacy push
- Ready to return to the office
- Headed to the ground floor lobby to summon my Uber
- Wait, what's the FCC's address?



Carriers are using DBH location technologies.

In September, CTIA announced the major wireless carriers will be adding new location-based tools - device-based hybrid solutions - to existing wireless 9-1-1 location technologies by the end of this year.

Supplemental Location Solutions

- Supplemental solutions such as the RapidSOS Clearinghouse can offer features and capabilities designed to supplement information traditionally provided with 9-1-1 calls (ALI).
- Apple and Google have announced partnerships with RapidSOS to make device-based location information available to ECCs through integrations with 9-1-1 call handling, CAD, and mapping solutions.
- This information can be helpful but supplemental data solutions are not presently offered under the FCC's regulatory oversight.
 - What of reliability, accuracy, outage notifications, security, sustainability, etc.?
 - APCO, NENA, and CTIA jointly expressed several concerns to the FCC.

Questions to Ask

- How does the accuracy of the supplemental location information compare to ALI?
 - How do the accuracies compare when the call is delivered vs after rebid?
 - Will the difference in accuracy change over time, for example, as wireless carriers increasingly use device-based location information available from Apple iOS and Android devices?
 - When is location information provided? Only from some devices? Only with a specific degree of confidence/uncertainty (ex - x meters at 90% confidence vs <50 meters at x% confidence)?
 - For any claims made about location accuracy, what methodology was used to support the claims?

Questions to Ask

- What is the sustainability model for the supplemental location information provider?
 - If the service is “free” to ECCs, how does the company stay in business?
 - What constraints are there, if any, on the company’s use of the data related to 9-1-1 calls?
 - What data, if any, does the company receive about 9-1-1 calls as a result of the ECC’s decision to receive the supplemental information?

Questions to Ask

- What steps has the company taken to ensure the integrity and security of the data?
- What mechanisms are in place to ensure the reliability of the solution?
- What liability will the company accept? If a location is false or not provided after the ECC has come to rely on the information, who will accept responsibility?
- What kind of notification, if any, will the ECC receive if the supplemental location service experiences an interruption?

Questions?

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