Civil GPS Service Interface Committee (CGSIC)

Attributing GIS Data: Mitigating “Death by GPS”

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No.

We don’t have this!
24/7 Operation:

- Web based Information Services
- Navigation Information Service (NIS)
- GPS Civil Interface
- Long Range Identification and Tracking (LRIT)
- DGPS Monitor & Control.
- Nationwide Automatic Information System (AIS).
Users reporting mapping problems

• “My Grandmother’s address is wrong in GPS and I am worried about emergency services getting to her. You need to fix it.”

• “My customers cannot find my business location in GPS, please fix it.”

• “GPS is directing customers to a competitor’s location instead of mine. The address is wrong and you need to correct it.”
Death by GPS

Why do we follow digital maps into dodgy places?

The Cline Avenue Bridge was demolished and closed in 2009.
Disclaimer on the NAVCEN web-site

Please read before submitting a report:

If your GPS unit or others' GPS units are leading people to an incorrect address OR are otherwise leading people to an incorrect location, the problem is not likely a "GPS" problem, but rather, it is very likely a MAPPING problem.

Unfortunately, the Navigation Center cannot assist you with GPS unit mapping problems, as we do not develop, control, nor repair the mapping software contained in GPS units, including vehicle navigation systems. Please see our GPS mapping problems page for additional information.

To correct mapping problems such as an incorrect address, or to request a change to the address for a business or home, or to add an address, please submit your corrections to these websites: Map Share Reporter and NAVTEQ.

Please understand that until mapping software is updated in GPS units (owners must usually purchase and install update mapping data), GPS units will continue to show previously incorrect addresses or locations. Again, this is not a GPS problem.
Help with Address, Route, and Map Problems in GPS Devices and Apps

Frustrated by wrong/missing addresses, improper directions, or other mapping errors in GPS devices and apps? The problem is not GPS. The problem is inaccurate map data within the devices/apps.

Map data comes from the private sector, not the government's GPS satellites. The following links will help you contact the companies responsible for updating GPS device maps/routes.

Get help with a map/route problem that...

- Affects many GPS devices and maps
- Affects your own GPS device
- Increases residential truck traffic

If you are experiencing GPS signal loss (outside of a building, tunnel, etc.) or other unusual behavior, please visit our GPS Service Outages & Status Reports page. GO THERE
Partner with the Map Data centers

How to Report a Map/Route Problem Affecting Many GPS Devices and Maps

Follow these instructions if you have a problem caused by a map/route error in other people's GPS devices/apps and online maps. For example:

- Your address, street name, etc., is wrong/missing
- Drivers can't navigate properly to your location
- Other people's deliveries arrive at your location
- GPS devices send drivers through your property, back roads, etc.

If your problem doesn't quite fit this description, return to the main Address, Route, and Map Problems page. **GO THERE**

1. **Submit a correction online**

Visit the following websites to report the map/route error directly to the companies and organizations that maintain digital maps. To reach the most GPS users, we recommend reporting the same problem at each of these websites.

**NAVTEQ Map Reporter**
Corrects devices by Garmin, Nokia, etc.

**TomTom Map Share Reporter**
Corrects devices by TomTom, Apple, etc.

**Google Maps: Report a problem or fix the map**
Corrects the popular mobile app

**OpenStreetMap Project**
Corrects MapQuest and other services

The websites above are not run by the government and may require registration and/or browser plug-ins. We list them for information only and do not endorse any non-governmental products, services, or views.
Most importantly....
Unless the address has been accurately recorded by the Google StreetMap car or other GIS data mapper, it may, in fact, not be in the correct location.

New automobile map version may already be 1-2 years out of date at time of purchase.
“If you send one more car down my driveway in the middle of the night, I don’t care, I’m putting out a spike strip.”

My GPS told me to!
Why would these drivers not know this is a private driveway?
If I told you to...

Why would this driver not know this is a goat path?
Dedicated Truck Routing Guidance Systems

- “GPS is sending trucks down our road that cannot fit. You have to stop them.”
GPS and Designated Truck Routes

“Who would believe that this thing could be dangerous? But it is,” said Schumer.

Tips for safe use of GPS navigation systems

Did You Know...

Not all global positioning systems (GPS) are created equal. Some navigation systems are designed specifically for commercial truck and bus drivers.

Why does it matter which navigation system you use?

If you use a navigation system that does not provide you with important route restrictions, such as low bridge overpasses, the shortcut you thought would save you time and fuel, may, in fact, end up costing you a lot more money than you bargained for.

That’s why it is critical that you use the right GPS navigation system when you operate your commercial truck or bus on our Nation’s roadways.

US DOT Federal Motor Carrier Safety Administration Increases Education and Awareness for Drivers Commercial Motor Vehicles
They are having to actually FLY people out of precarious situations, car and all!
This woman was “A little embarrassed” but many others have not been so lucky.
It is not enough anymore to input data into GIS databases. We need to find a way to attribute the data. Need data to activate voice over software. Warn users when the vehicle they are using is not appropriate for the path they are turning on to.
Pathways

• How do we partner with industry to engage them in the problem?
• Should we bring these companies to an “Industry Day” or to forums such as these CGSIC meetings?
• Why aren’t they at large exhibitions like ION?
• How do we propose equipment/software changes to inform users of dangerous turns?
• Should there be an industry standard for this kind of information exchange method for UE?
No matter who is driving and where they are trying to go, at some point....
It will always be necessary to look out the window.
NAVcen Contact Information

• Navigation Information Service

• [http://www.navcen.uscg.gov](http://www.navcen.uscg.gov)

• E-mail: nisws@navcen.uscg.mil
• Phone: +1 703 313 5900
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Questions ?