



Civil GPS Service Interface Committee (CGSIC)

UN International Committee on GNSS

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Tokyo Japan
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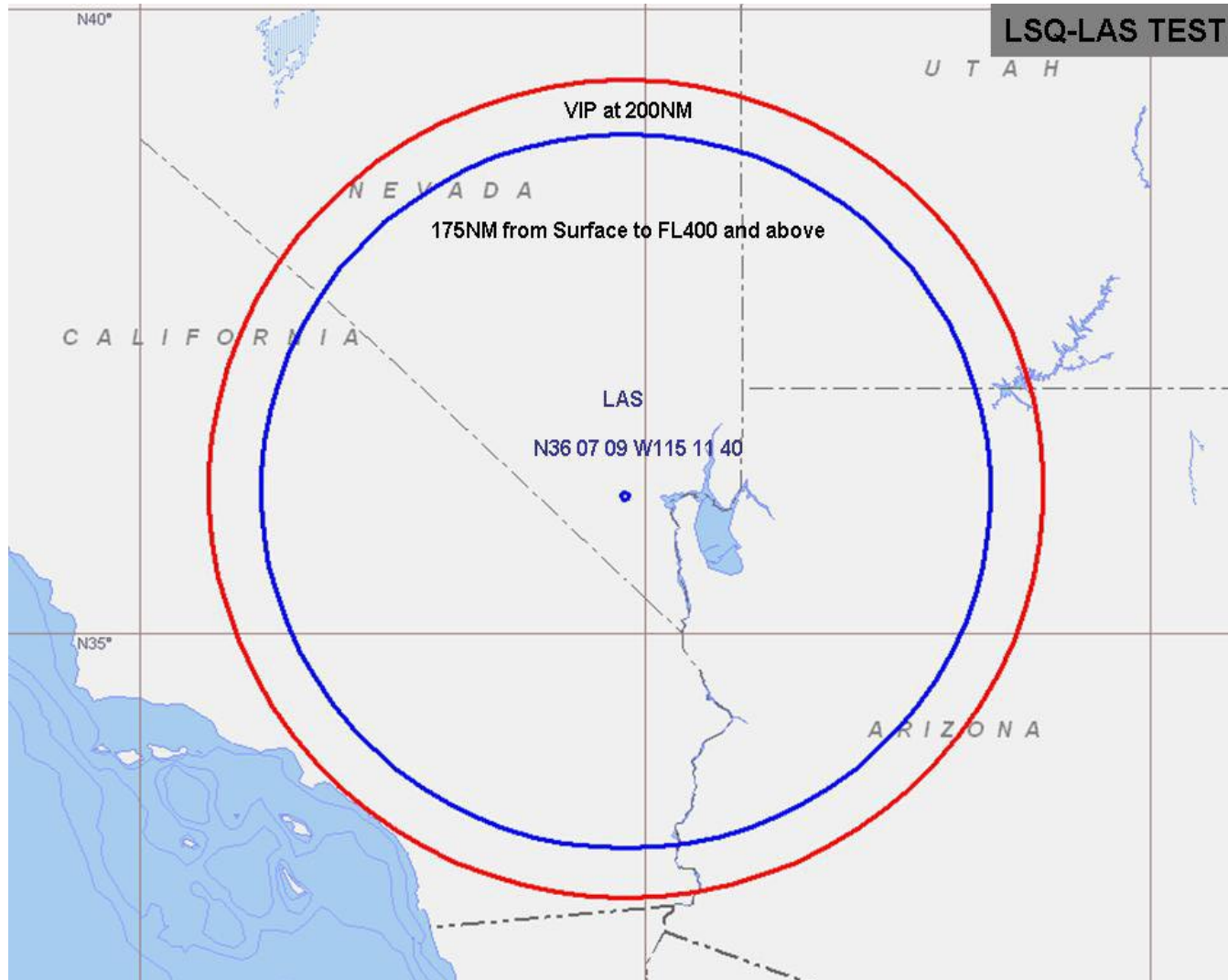
Two issues CGSIC is working with regard to dissemination of information to the public

- Testing on GPS Frequencies
- Truck routing guides/mapping issues

Testing on GPS Frequencies

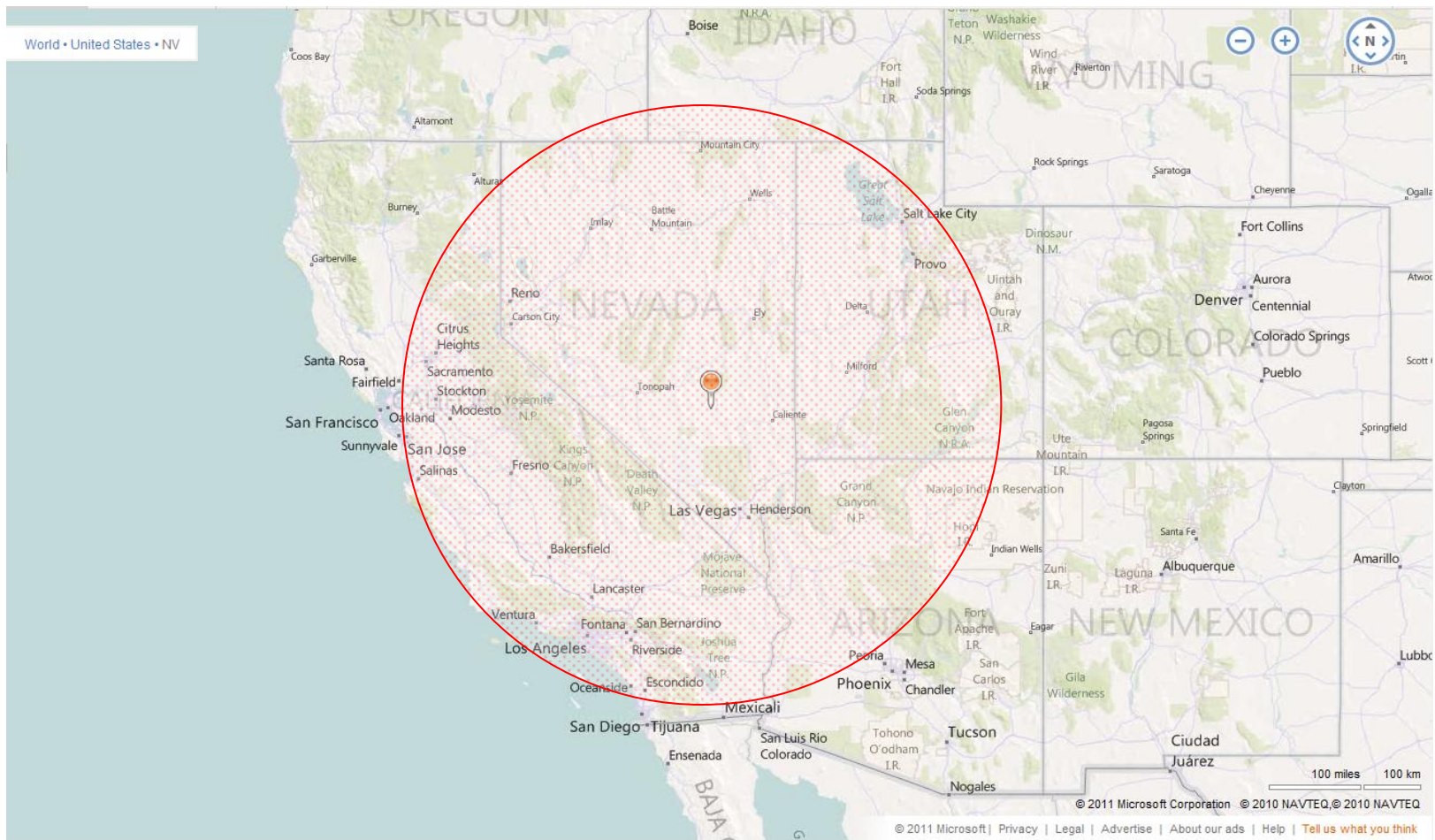
- Notifications somewhat misleading
- Currently only advertise the center point of the test
- Accurate for aviation but misleading to users on the ground
- In order to better serve the public, changes are being considered

LightSquared testing in Nevada from FAA Notice to Airman (NOTAM)

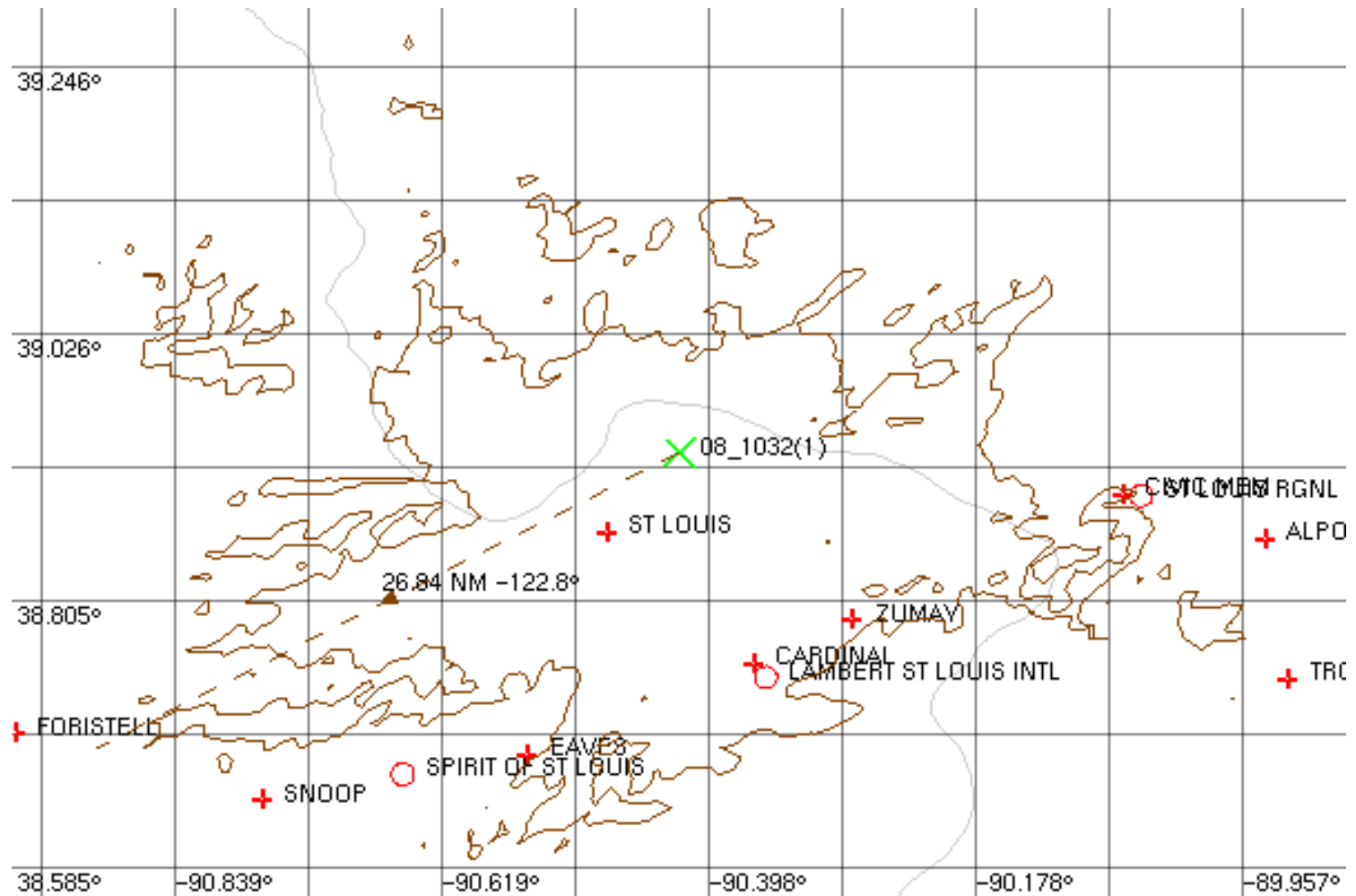


Recent test notification on NAVCEN web-site

"Testing has been approved on GPS frequencies used by position, navigation and timing systems to be conducted in the vicinity of position 37.8063 N, 115.7520W from 12 Jul 2011 – 22 July 2011 daily between 0500Z – 1100Z . Electronic systems that rely on GPS, including E-911, AIS, and DSC, may be affected out to 275NM of the test site depending on terrain and/or altitude. Please see the NAVCEN page for graphics that better describe the testing footprint. Advance notification will also be provided at the NAVCEN website 14 days and 72 hours prior to any testing event. During scheduled testing periods, GPS users are encouraged to report any service degradation by calling 703-313-5900 or by using the "GPS Report-A-Problem Worksheet" at www.navcen.uscg.gov."



More representative graph for users on the ground based on terrain



Truck Routing/Mapping Issues

- Large trucks more frequently driving into residential and off-road conditions based on directions from recreational GPS devices
- Paving narrows bridge clearances over time
- No national standard for routing of vehicles over a certain weight or size

Only the tree kept him from falling 80-100 meters down a cliff



Stuck for 5 days



On to a foot path in a waterfront park



Citizen Action Groups



Down a dirt road more suitable
for farm tractors



Where are States Trying to Get to?

- GPS Enforcement of Designated Truck Routes
 - Illinois State Legislature required study
 - Illinois DOT study makes eight recommendations for truck GPS systems
 - Vertical clearance
 - Weight restrictions
 - Communications and enforcement of truck GPS systems



NAVCEN Contact Information

- Navigation Information Service
- <http://www.navcen.uscg.gov>
- <http://www.navcenter.org/> (mirror site)
- E-mail: nisws@navcen.uscg.mil
- Phone: +1 703 313 5900
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