

# DON'T JUST TAKE OUR WORD FOR IT:

SUPPORT FOR RECONFIGURING THE LOWER 900 MHz BAND GAINS MOMENTUM



## STAKEHOLDERS GO ON THE RECORD:

Rules Governing the Lower 900 MHz Band Benefit Consumers, Public Safety, National Security

“ A terrestrial GPS solution that provides accurate PNT which can penetrate multi-level structures in dense urban environments would need to operate in the Lower 900 MHz Band frequency range that NextNav has petitioned for. Not only would a terrestrial solution provide a significant improvement for indoor location from current options available today through current GPS technology, but it would also improve navigation in urban canyons created by high rise structures in urban environments today, thereby ensuring the routes are accurate and most expeditious for responders.”

**Scott Brillman, Director, Department of Public Safety Communications**

**Gregory Scott, Chief Technology Officer and Director, Department of Information Technology**

Fairfax County of Public Safety  
[FCC Filing](#) (September 18, 2024)



“ NextNav’s approach could improve the availability and accuracy of indoor geolocation. I would like to encourage the Commission to proceed forward on this matter as the potential benefits to Public Safety are important to our agency and stakeholders.

First responders depend on accurate information to deliver prompt assistance to building occupants and maintain situational awareness in the process. Firefighters, for example, can face zero-visibility conditions in structure fires from smoke and blackout conditions from electrical outages. Having the support of a terrestrial geolocation system that can accurately identify the location of people inside a building could avoid dangerous and time-consuming searches in the wrong areas and accelerate the delivery of life saving assistance to people who need it.”

**Daniel Munsey, Fire Chief**  
San Bernardino County Fire Protection District  
[FCC Filing](#) (September 5, 2024)

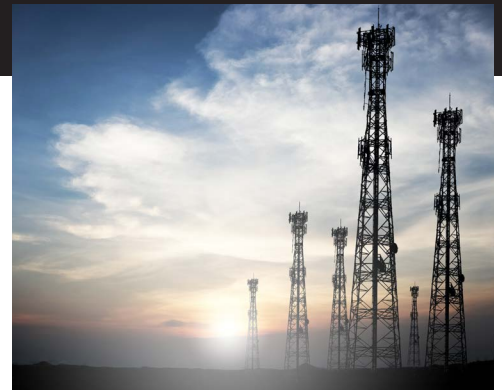


## STAKEHOLDERS GO ON THE RECORD

“ We have firsthand experience with degradation of GPS due to the ‘urban canyons’ and dense environment we cover, a problem that is ideally resolved by a terrestrial PNT service of this type proposed.

Having the z-axis requirement as the Commission does is highly important to our operations, and while the 3-meter requirement is a great step forward, the x/y location from GPS is not sufficient for our operations and is sporadic and inconsistent in our region on a daily basis.”

**Mark Heine, President**  
*California Fire Chiefs Association*  
[FCC Filing](#) (September 13, 2024)



“ The ability to have a consistent x/y signal that most importantly penetrates buildings is truly a gamechanger for the fire service and one which will save lives, reduce time to victim and gain critical situational awareness of where our fire fighters are during an emergency.”

“I would like to encourage the Commission to proceed forward on this matter as the potential benefits to Public Safety are important to our agency and stakeholders.”

**Peter Burke**  
*Fire Chiefs’ Association of Massachusetts*  
[FCC Filing](#) (September 5, 2024)



“ Our Nation has accomplished much in the last few years to address growing dependencies and threats to timely, accurate and available Positioning, Navigation, and Timing (PNT). It is important, though, to recognize that most of these efforts have centered around space-based alternatives to the Global Positioning System (GPS). We need a terrestrial complement and backup to GPS.

Warning lights are ‘blinking red.’ After decades of U.S. worldwide leadership in PNT centered around GPS, we are on the cusp of losing this role due to lack of a coherent strategy to integrate multiple layers of PNT sources to address availability, accuracy, and resiliency objectives for the full range of mission and market dependencies on PNT.

The current and growing PNT resiliency gap with the PRC [Peoples Republic of China] will further expose our critical infrastructure to asymmetric attacks that while hurting all, will hurt the U.S. more. Growing space-based dependencies that are widely exploitable will be attractive targets for a growing number of nations and terrorist organizations.”

**Rear Admiral David Simpson (Ret.)**  
[Virginia Tech Wireless Study: A Day Without Space and a Call for Greater Positioning, Navigation, and Timing Resiliency in the United States](#)  
(September 4, 2024)

“ The current petition represents an intriguing step towards addressing a significant gap in public safety communications through the development of a terrestrial geolocation system that could provide more reliable indoor location accuracy for citizens, visitors and first responders. I would like to encourage the Commission to proceed forward on this matter as the potential benefits to Public Safety are important to our agency and stakeholders as if an overarching solution can be achieved, gaining indoor location accuracy in a standards compliant fashion is one that is important to assess further.”

**Walt Kaplan, M.P.H. Division Chief of Public Safety Communications Systems**  
*City of Alexandria, Virginia*  
[FCC Filing](#) (September 18, 2024)

