

GPS SPOOFING: A GROWING THREAT TO AVIATION SAFETY

Reliance on GPS in aviation brings serious risk with GPS spoofing



What is GPS Spoofing?

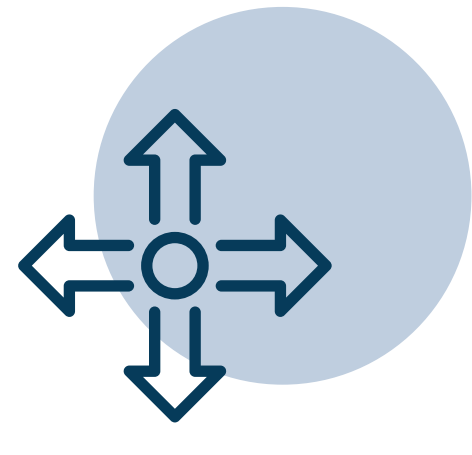
GPS spoofing is a type of cyberattack where counterfeit GPS signals are transmitted to mislead a GPS receiver into believing it is in a different location, moving at a different speed, or following an incorrect flight path.



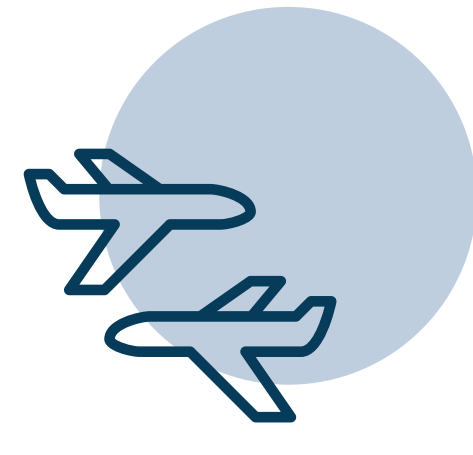
Dangers of GPS Spoofing



Loss of Accurate Positioning



Navigation Errors



Increased Collision Risk



Political & Security Concerns

Gogo's GeoServices provides a solution within FlightDeck Freedom

In response to the growing threat of GPS spoofing attacks, aircraft operators must remain vigilant and find solutions to mitigate their risk when flying in the region. Gogo's FlightdeckFreedom (FDF) GeoServices provides that solution.



FlightDeck Freedom Features

GeoFencing Technology

- Virtual Boundaries set around high-risk areas
- Alerts based on Aircraft locations

GeoFence Alerts

Alerts users when the aircraft is approaching spoofing danger zones

GPS interference—including spoofing—can be safely managed when it is accurately detected and effectively mitigated. Spoofing attacks can compromise the integrity of aircraft position data, potentially leading to serious safety risks if left unaddressed. As the aviation industry continues to confront these challenges, Gogo's FlightdeckFreedom GeoServices provides an innovative solution that enhances situational awareness, resilience, and overall safety in the skies.



LEARN MORE ABOUT FLIGHTDECK FREEDOM