

10 Ways

One LEO Terminal

Supports Small Agencies



Stay
Connected



Improve
Response



Deploy
Anywhere



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A Single Investment. Multiple Operational Benefits.

A single LEO terminal can do far more than most agencies expect.

A portable Low Earth Orbit (LEO) satellite terminal is widely used for emergency communications and backup internet, but its value extends far beyond those traditional applications. The same terminal can support Incident Command, field operations, public events, public works, school emergencies, election operations, severe weather response, and mobile command.

The following pages demonstrate how one portable LEO terminal can support a wide range of operational needs, helping agencies get more from a single investment.

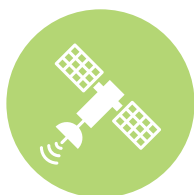


Why Agencies Are Deploying LEO



Rapid Deployment

Quickly establish connectivity where and when it's needed.



Reliable Connectivity

Stay connected beyond traditional cellular coverage.



Operational Continuity

Maintain critical operations during network outages.



Resource Efficiency

Support multiple departments with a single solution.



Mission Flexibility

Adapt to planned events, emergencies, and field operations.



1 Maintain Operations During Internet Outages

Reliable connectivity keeps essential services running.

Modern public safety and local government agencies rely on internet connectivity for everything from GIS and CAD systems to cloud applications, records management, and day-to-day communications.

A portable LEO terminal provides an alternate communications path that helps agencies continue accessing critical systems while primary service is restored, reducing operational disruption and supporting continuity of operations.

LESSONS FROM THE FIELD

DID YOU KNOW? In 2024, a single fiber cut in Missouri disrupted 911 services across Nebraska, Nevada, and South Dakota for more than two hours, demonstrating how a single infrastructure failure can impact multiple jurisdictions have far-reaching operational consequences.

If deployed as part of an agency's continuity plan, a portable LEO terminal could have provided a rapidly deployable backup internet connection, helping maintain access to critical systems while the fiber outage was resolved.

Source: Nebraska Public Service Commission Investigation

2 Support Community Events

Temporary operations still require reliable connectivity.

Community events often require agencies to establish temporary command locations in parks, fairgrounds, remote areas, or other locations where permanent communications infrastructure may be limited or unavailable. Even in areas with cellular coverage, large crowds can create network congestion that affects connectivity.

A portable LEO terminal provides a rapidly deployable internet connection that helps agencies establish a connected command post wherever operations are needed.



ASK YOURSELF

If your next community event required a temporary command post, would your team have dependable internet access from day one?

3 Establish Incident Command Anywhere

Every decision begins with situational awareness.

Incident Command depends on timely access to the information needed to assess conditions, coordinate resources, and adapt as an incident evolves.

Establishing a connected command post wherever the incident occurs helps leaders maintain operational awareness and make informed decisions from the earliest stages of the response.



A CONNECTED COMMAND POST SUPPORTS:



GIS Mapping



Weather Intelligence



CAD & Dispatch



Resource Tracking



Drone & Live Video



Incident Action Plans



Building Pre-Plans



Mutual Aid Coordination



Damage Assessments



Field Reporting

4 Support Fire Ground Operations

Fireground conditions can change in seconds.

Large structure fires, wildland incidents, and mutual aid responses require continuous coordination between command staff and crews operating throughout the incident. Reliable access to operational information helps improve situational awareness, maintain accountability, and support informed decision-making as conditions evolve.

A portable LEO terminal provides a rapidly deployable internet connection that enables access to the digital tools firefighters rely on when reliable connectivity is unavailable.



NIOSH FINDINGS

The National Institute for Occupational Safety and Health (NIOSH) identifies **flawed situational awareness** and **ineffective decision-making** as common contributing factors in firefighter injuries and line-of-duty deaths. Across firefighter fatality investigations, **improving incident command** and **communications** are among NIOSH's most common recommendations for helping prevent future tragedies.

Reliable connectivity helps Incident Command maintain access to the operational information needed to support accountability, coordinate resources, and enhance firefighter safety.

5 Enhance Search and Rescue Operations

Search missions often extend beyond the reach of traditional networks.

Search and Rescue operations depend on continuous coordination between field teams and Incident Command. Access to real-time information helps commanders adapt search plans, deploy resources, and maintain awareness as the mission evolves.

A portable LEO terminal provides a rapidly deployable internet connection that enables responders to share GPS locations, upload drone imagery, access mapping applications, and maintain communications from virtually any location.



FIELD REALITY

The National Park Service responds to more than 3,000 search and rescue incidents each year, many occurring in **remote environments where reliable communications can be limited.**

Maintaining connectivity helps responders coordinate resources, share critical information, and support command throughout the mission.



6 Maintain Connectivity During Severe Weather

The hardest part often begins after the storm.

Hurricanes, tornadoes, flooding, ice storms, and other severe weather events can damage communications infrastructure and interrupt access to the operational systems agencies rely on every day. Maintaining reliable connectivity helps Emergency Operations Centers, field responders, and partner agencies continue coordinating response and recovery efforts when traditional networks are compromised.

A portable LEO terminal provides a rapidly deployable internet connection that helps agencies maintain access to critical operational systems before, during, and after severe weather events.



REAL-WORLD EXAMPLE

Following Hurricane Helene, widespread communications outages left many western North Carolina counties without reliable internet when response and recovery efforts were just beginning. **FEMA deployed one satellite internet system to each county Emergency Operations Center**, allowing county leaders to continue coordinating emergency response, requesting resources, and maintaining essential government operations while communications infrastructure was restored.



7 Support Law Enforcement Operations

Critical incidents demand coordinated decision-making.

Whether supporting a school emergency, tactical operation, major investigation, search warrant, missing person response, school incident, or large public event, law enforcement agencies often establish temporary command locations and rely on real-time information to coordinate personnel and resources. Maintaining reliable connectivity helps command staff make informed decisions and keeps responding teams connected throughout the operation.

A portable LEO terminal provides a rapidly deployable internet connection that supports temporary command posts, mobile operations, and other field locations where reliable connectivity is limited or unavailable.

A CONNECTED LAW ENFORCEMENT OPERATION SUPPORTS:



GIS Mapping



Mobile Reporting



CAD & Dispatch



Resource Tracking



Drone & Live Video

8 Enable Mobile Command

Effective field command isn't limited to a dedicated command vehicle.

While purpose-built command vehicles provide valuable capabilities, many agencies establish field command from SUVs, pickup trucks, trailers, or temporary shelters. Reliable connectivity helps those locations function as connected workspaces, providing access to the operational systems needed to support the response.

A portable LEO terminal provides a rapidly deployable internet connection wherever command is established.



ASK YOURSELF

If your agency had to establish command from a parking lot today, what would you be missing?

9 Improve Public Works Coordination

Field crews rely on connectivity to keep critical services moving.

Whether responding to storm damage, repairing infrastructure, or supporting planned maintenance, Public Works teams often work across large service areas where reliable internet access isn't always available. Access to GIS maps, digital work orders, damage assessments, and communication tools helps crews coordinate resources and keep projects moving.

A portable LEO terminal provides a rapidly deployable internet connection that supports field operations wherever crews are working, including remote locations or areas where communications infrastructure has been disrupted.



OPERATIONAL INSIGHT

The faster crews can coordinate, the faster communities recover.

When field crews remain connected to maps, work orders, damage assessments, and supervisors, they can respond more efficiently and keep recovery efforts moving.



10 Support School Operations and Special Events

Reliable communications are essential for both planned operations and unexpected incidents.

Whether supporting Election Day, a school emergency, graduation, or athletic event, agencies often establish temporary operations that require coordination between multiple organizations.

A portable LEO terminal provides a rapidly deployable internet connection that supports polling locations, temporary command posts, school campuses, reunification sites, and other field locations where reliable connectivity is needed.



DID YOU KNOW?

The Cybersecurity & Infrastructure Security Agency (CISA) recommends election officials develop Primary, Alternate, Contingency, and Emergency (PACE) communications plans to prepare for internet outages, cellular disruptions, power loss, and other incidents that could affect operations.

A portable LEO terminal can support the Alternate or Contingency components of that plan by providing a rapidly deployable backup internet connection.

One Terminal. Ten Practical Applications.

A portable LEO terminal is more than a backup internet solution. Throughout this guide, you've seen how a single deployable terminal can support emergency response, Incident Command, Search and Rescue, public events, public works, school emergencies, elections, mobile command, and continuity of operations.

For agencies with limited budgets, every investment should strengthen multiple missions. A portable LEO terminal helps maximize that investment by providing a communications capability that can be deployed wherever it's needed.



Why Agencies Choose PEAKE

Technology is only part of the solution.

PEAKE helps public safety and government agencies evaluate where portable LEO connectivity fits within their operational requirements, existing communications infrastructure, and long-term resilience strategy. Whether you're planning for backup internet, deployable communications, or a resilient multi-path architecture, our team designs solutions that support your mission today and as your needs evolve.



WHERE COULD ONE TERMINAL MAKE THE BIGGEST IMPACT FOR YOUR AGENCY?

Let's start the conversation.

Talk with a **PEAKE connectivity expert** to identify the right portable connectivity solution for your agency.



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