

Signal Storm for National Parks

Coordination Across the Backcountry.

The environment you actually work in: millions of visitors across roadless terrain, cellular that ends at the trailhead, SAR that spans park boundaries into county sheriff jurisdictions, wildfire that closes a park in a season, and a congressional visitor who twisted an ankle 8 miles from the road.

Signal Storm is the field coordination layer built to the **Watchman Doctrine** — designed for the environments where the National Park Service actually operates, not just the visitor center parking lot.

The Coordination Gap in the Park

- Visitor reports a missing hiker at the ranger station; ranger radios dispatch
- Dispatch calls the county sheriff for mutual-aid SAR
- SAR volunteers arrive; each on their own radio
- Wildfire spot detected by lookout; IC coordinates by satellite phone
- Evacuation of a campground handled by rangers going tent-to-tent
- Post-incident report to the regional office reconstructed from memory

Every gap between those steps is where “the Park Service didn’t act fast enough” becomes the next GAO audit finding.

The Watchman Doctrine, Applied to Park Response

See First	Backcountry incident zones, weather, wildfire detection, and ranger locations in one operational picture — spanning park and adjacent jurisdictions.
	Targeted alerts to rangers, SAR volunteers, mutual-aid partners, and (where authorized) visitors. Multi-language for international parks.
	Skills-based ranger and SAR assignment. Turn-by-turn to remote trailheads. Real-time coverage of search segments.
	Ranger location and vitals during backcountry operations. Wildfire crew biometrics for heat-stress compliance. Full audit for the regional office.

What Signal Storm Delivers to a Park Unit

- **Backcountry coordination** — SAR, wildland response, and law enforcement on one platform
- **Off-grid mesh** — Guardian radios and LoRa keep coordination alive where there is no cell
- **Cross-jurisdiction picture** — NPS, county SAR, state DPS, USFS mutual-aid see the same map
- **UAV detection integration** — aerial finds auto-generate tasks
- **Multilingual visitor alerting** — for international-visitor parks

- **Wildland crew biometric monitoring** — Watchman module for heat-stress and health tracking
 - **NFPA-aligned reporting** — for wildland operations that touch NFPA 1584 requirements
 - **Auditable end-to-end timeline** — one query produces the regional-office report and the congressional response
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Who at NPS Buys This

Primary: Superintendent or Chief Ranger **Champion:** Deputy Superintendent, Chief of Emergency Services, or IMT leadership **Sponsor:** Regional Director; sometimes Interior/Deputy Secretary for high-visibility units **Approvers:** Regional acquisition; GSA schedule pathway for procurement

Typical deployment size: **\$100K–\$1M+** depending on park size, visitor volume, and integration scope. **SDVOSB set-aside eligible.**

Funding Pathways

- **NPS operating budget** — safety and emergency services line items
 - **NPS Wildland Fire Management program** — for parks with active wildland programs
 - **DOI cross-bureau coordination grants** — where BLM, USFS, and NPS partner
 - **DHS SHSP / UASI** — where park response coordinates with regional preparedness
 - **Federal SBIR Phase II / III** — pathway for validated technology at scale
 - **GSA Schedule** — streamlined procurement vehicle
 - **SDVOSB set-aside** — Intrepid Logic is SBA-certified; unlocks set-aside procurement (≤\$4.5M services / \$7M manufacturing sole-source)
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Proof of the Doctrine

Signal Storm's NPS deployment integrates: - **Cross-jurisdiction operational picture** — NPS, county SAR, state DPS, federal partners - **Off-grid mesh comms** for backcountry operations - **UAV-to-task pipeline** for aerial SAR - **Multilingual visitor alerting** for international-visitor parks - **Watchman biometric monitoring** for wildland crews - **Auditable timeline** for regional and congressional reporting

Every capability maps to a Watchman Doctrine tenet. If it doesn't map, it isn't in the platform.

The Next Step

We don't demo — we run a **live operational trial** in your park, on your terrain, with your team. In one exercise we'll show you what a doctrine-aligned coordination layer looks like in your unit.

Request an operational trial: signalstorm.io

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