

Signal Storm for Ski Resorts & Mountain Operations

See the Mountain. Move the Team.

The environment you actually work in: thin cellular, radio dead zones in the trees and canyons, extreme cold that punishes hardware, small patrol teams responsible for thousands of guests, and one avalanche away from a career-defining event.

Signal Storm is the field coordination layer built to the **Watchman Doctrine** — designed to work at elevation, on the wrist, and off the grid.

The Coordination Gap on the Mountain

- Guest incident reported at a lift; patrol dispatched by radio only if the sender is in range
- Avalanche control team returns to the lodge to check whose beacon is where
- Mutual-aid rescue with the county SAR unit involves two radio nets and a phone tree
- Post-incident report reconstructed from patrol memory the next morning

Every gap between those steps is measured in minutes. On this mountain, minutes have consequences.

The Watchman Doctrine, Applied to Patrol

See First	Live map with patrol locations, terrain overlay, avalanche forecast, RECCO/beacon data, and weather feeds — one picture for the OCC.
	Targeted alerts to patrol only (not guests). Delivered to Apple Watch or ruggedized handheld. Acknowledged, not blasted.
	Nearest AIARE-Pro or EMT-P matched automatically. One-tap accept from the chair. Route to the scene, not just a pin.
	Biometric monitoring for patrollers entering debris fields or working in extreme cold. Commander sees vitals in real time.

What Signal Storm Delivers to a Resort

- **Patrol app + watch integration** — task acceptance, location, biometrics in one workflow
- **Off-grid mesh** — Guardian radios and LoRa keep coordination alive when cellular fails
- **Avalanche response playbook** — RECCO integration, hasty-team assignment, live coverage-gap analysis
- **Lift evacuation coordination** — team assignment by chair, guest count reconciliation
- **Guest-safety integration** — evacuation zones, muster point tracking, family reunification
- **Insurance-ready audit log** — every decision, timestamped, immutable, exportable

Who at a Resort Buys This

Primary: Ski Patrol Director + VP Mountain Operations **Champion:** Deputy Patrol Director or Ops Manager

Sponsor: GM or COO (liability + insurance driver) **Approvers:** Insurance carrier, sometimes ownership group

Typical deployment size: **\$50K–\$250K/year** depending on mountain size, patrol count, and hardware needs.

Funding Pathways

- **Operating budget** — safety line item; often insurance-carrier co-funded
 - **Insurance premium credits** — carriers increasingly credit documented response capability
 - **NSAA / state ski-industry association grants** — safety-technology programs where available
 - **Rural business modernization grants** — in resort counties with rural-development funding
 - **Federal AFG** — where the resort's fire response is a partnership with a rural VFD
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Proof of the Doctrine

Signal Storm's mountain deployment integrates: - **Terrain-aware routing** (not just map pins) for beacon-search and hasty teams - **Wearable-first task flow** designed for gloved, cold-weather use - **Multi-agency shared picture** across patrol, county SAR, and mutual-aid teams - **Watchman biometric module** monitoring patroller vitals in the field

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**. Bring your patrol, your terrain, your worst-case scenario. In 60 minutes on the mountain, we'll show you what a doctrine-aligned coordination layer looks like in your environment.

Request an operational trial: signalstorm.io

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