

Search-and-Rescue Multi-Operator Coordinated Intent

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SAR Operating Reality

SAR operations integrate volunteer search teams, professional SAR teams, county sheriff coordination, NPS rangers, FAA-coordinated aerial assets, and emerging autonomous-drone deployment. Cross-organization coordination operates through ICS (Incident Command System) protocols.

Cross-platform-vendor autonomous deployment (DJI, Skydio, AgEagle, emerging SAR-specific drones) faces architectural composition friction.

What Coordinated Intent Provides

Incident Commander intent (mission objective, search area, escalation profile). Sub-team intent (sub-area assignment, search pattern, communication protocol). Aerial-asset intent (flight profile, sensor mode, hazard avoidance).

Cross-operator handoffs (ground team finds candidate, aerial asset confirms, SAR team extracts) admit through composite intent admissibility.

After-Action Review

SAR after-action reconstruction proceeds against architectural records: which intent was active when, what observations supported intent transitions, what coordinated-action chain produced the rescue (or non-rescue) outcome.

The architecture supports SAR community lessons-learned operations structurally.